How to Work with Semantic Layers

SAP Business One 9.2, version for SAP HANA PL00
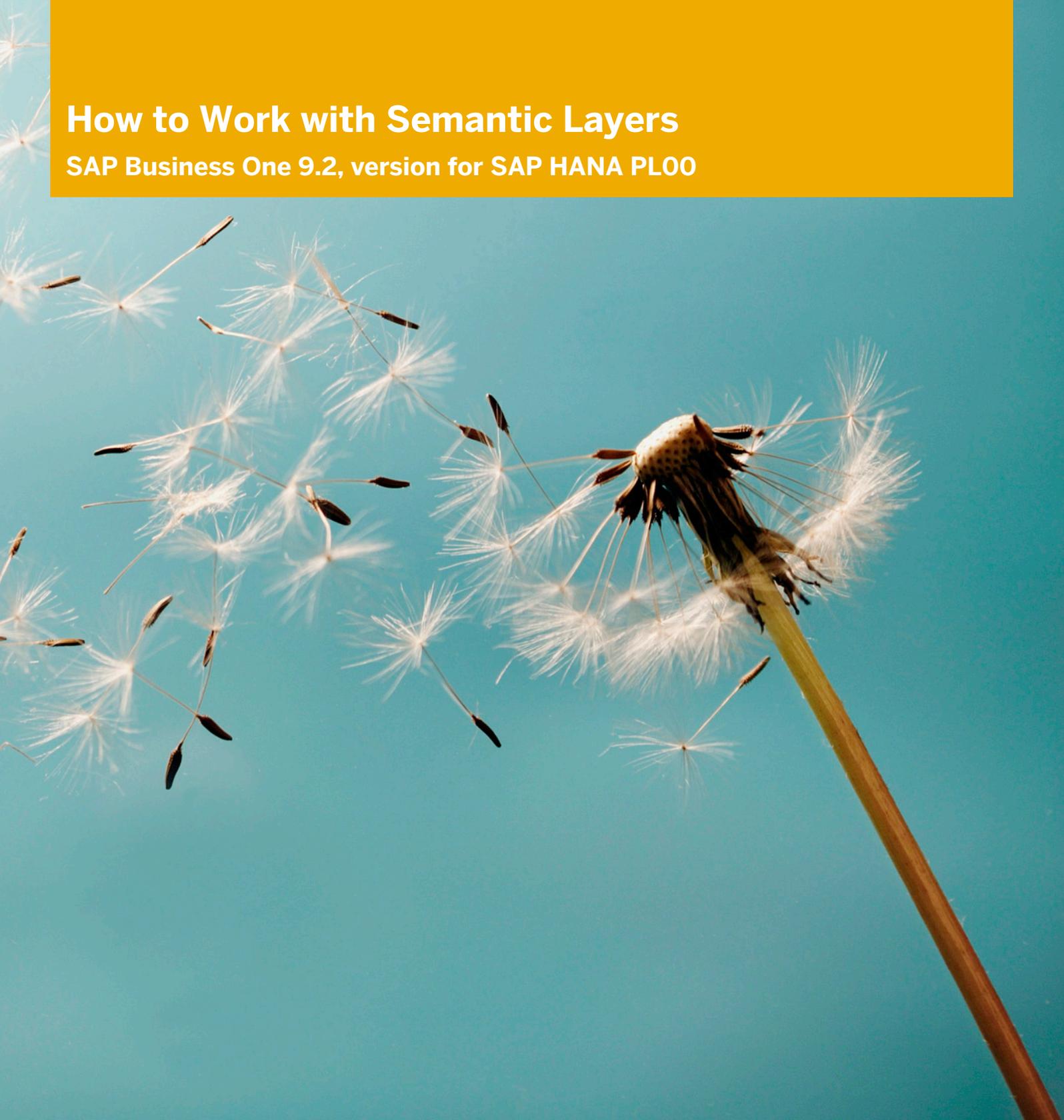
Typographic Conventions

Type Style	Description
Example	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options. Textual cross-references to other documents.
Example	Emphasized words or expressions.
`EXAMPLE`	Technical names of system objects. These include report names, program names, transaction codes, Names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE.
`Example`	Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.
`Example`	Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.
`<Example>`	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
`EXAMPLE`	Keys on the keyboard, for example, `F2` or `ENTER`.

Document History

Version	Date	Change
1.0	2015-01-22	First Version
1.1	2015-11-05	Following updates were made: • The CRM module was added • New views were added to the Administration module • New views were added to the Sales module • New views were added to the Purchasing module • New views were added to the Stock module

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1 Introduction to Semantic Layers

> **i** Note
>
> In this document, all mention of SAP Business One applies to both SAP Business One, version for SAP HANA and SAP Business One analytics powered by SAP HANA.

The SAP HANA model package applies to either of the following:

* SAP Business One 9.2, version for SAP HANA PL00 or higher
* SAP Business One analytics 1.2 powered by SAP HANA PL00 or higher

    In order to use the model package, the version of SAP Business One must be either of the following:

    o   9.1 PL10 or higher
    o   9.2 PL00 or higher

1.1 Semantic Layer Overview

A semantic layer is a set of predefined virtual views (models) that represent a company's data, which are represented in familiar and meaningful terminologies instead of pure technical fields. It is a business translation layer that sits between end users and the database. It insulates end users from the technical details and the complicated structure of the database.

Having a semantic layer as the reporting tool, business users no longer see the data as a collection of technical tables with complex inter-relations, but as a simple collection of familiar business strings organized into a meaningful structure. It becomes a lot easier for users to access, manipulate, organize and analyze the information or data. Without having to learn a data language, or understand where the data is stored and what rules to apply to them, users have a self-service capability to create a wide variety of different queries and reports themselves.

Semantic layers deliver a number of advantages over the traditional reporting tools, including the following:

* Reports are created by business users:

    In most cases, report authors are the business users. They design and create the reports based on their specific business requirements to fulfill certain analytical or management needs. Usually, useful reports are designed based on complex data sources that use many tables and data joins to pull the information. However, business users may lack the requisite knowledge and professional skills over databases. As a consequence, they may not use the most efficient join when the reports require join data, and the result is poor performance.

    With a semantic layer, developers can create views according to a predefined business scenario, and create the joins among tables or data sources. Therefore, the business users only need to focus on designing and creating reports that meet their business needs. In addition, it becomes easier for the developers to understand and maintain the reports that are created by others.

* Improvement of result accuracy and consistency between reports:

    A semantic layer guarantees the accuracy and uniqueness of the report results. Regardless of what tools the end users use to consume it, or when the end users need to run the reports that are created based on it, the

semantic layer will always return the same consistent results to the reports, as long as it is used in the same database. The result is an improvement in the productivity, accuracy and consistency between reports. This is beneficial not only to business users, but to all users who need to create reports.

- Reuse of data components:

  In the traditional ways, data components are consumed in each individual report that is created by using them. When these reports are run, a large amount of redundant work is created. What's worse is that when the data components need to be updated or modified, each individual report needs to be changed accordingly in order to make the components effective.

  In semantic layers, reuse views are created by developers. These reuse views are used to constitute other views that represent complex business scenarios. When there is a need to update or modify any data, only the relevant reuse views need to be changed; there is no need to change the individual reports.

- Greater security by role segregation:

  Semantic layers allow administrators or developers to set up the corresponding authorizations for users according to their business roles. Users can access only the models or views for which they have authorizations. In this way, the company's data and information can be secured by users or user groups.

  For example, users in the sales department have authorizations only for sales and A/R related models or views; they do not have access to the data or information in purchasing or A/P related models or views.

  Another example: users with a cashier role can access the banking related models or views, while they cannot access the data or information in the general ledger related models or views.

- Adequacy and flexibility of view transportability:

  Semantic layers provide the ability to export the views that are structured on it. These views can be exported as `.xml` files and then imported into a semantic layer based on other databases. This avoids extra human resources and material assets having to be spent on creating the same models and views for different databases.

1.2 Approaches and Tools to Consume Semantic Layers

This section introduces the approaches and tools used to consume semantic layers.

1.2.1 Approaches to Consume Semantic Layers

Standard Query Language (SQL) Approach

The semantic layer model package is built on top of the HANA databases. All models are deployed in schema_SYS_BIC. During runtime, the models that are included in the package are presented in a column view, which means the semantic layer model package can be consumed directly by Standard Query Language (SQL). As such, any common reporting tools that support SQL can consume the semantic layer model package directly.

In SAP Business One, such consumption tools are, for example, Crystal Reports, Dashboards, Extreme Apps, and so on.

Query Examples

In the reporting tools, users can write SQL commands to consume the semantic layer models.

Following is an example of using SQL to consume a semantic layer model:

```
SELECT "CostCenterName","FinancialPeriodName",SUM("ExpenseLC"),SUM("RevenueLC") FROM
"_SYS_BIC"."sap.sbodemous.fin/CostAccountingAnalysisQuery" GROUP BY
"CostCenterName","FinancialPeriodName"
```

With the above query, users will get the calculation results of the expenses and revenue of each cost center, in each financial period.

In the semantic layer model package, some of the views embed parameters to filter the data for calculations. These parameters are not supported by SQL. Nevertheless, users can pass these parameters to the consumption tools through the SQL extension provided by HANA databases.

Following is an example of using an SQL extension to consume a semantic layer model:

```
SELECT "KPIFactorName","LifeToDateLC","YearToDateLC" FROM
"_SYS_BIC"."sap.sbodemous.fin/KPIBalanceSheetQuery" ('PLACEHOLDER' = ('$$P_ToDate$$',
'2014-03-25'), 'PLACEHOLDER' = ('$$P_TemplateInternalKey$$', '-99'))
```

In the query above, the content in the parentheses is the SQL extension which can pass the parameters to the consumption tools from this view. Thus, users will get the calculation results of the life-to-date balances and the calendar year-to-date balances of all balance sheet-related KPI factors.

Multiple Dimension Expression (MDX) Approach

Besides SQL, a semantic layer model package can also be consumed by Multiple Dimension Expression (MDX). Therefore, tools that support MDX, can consume it as well, for example, the PivotTable in Excel.
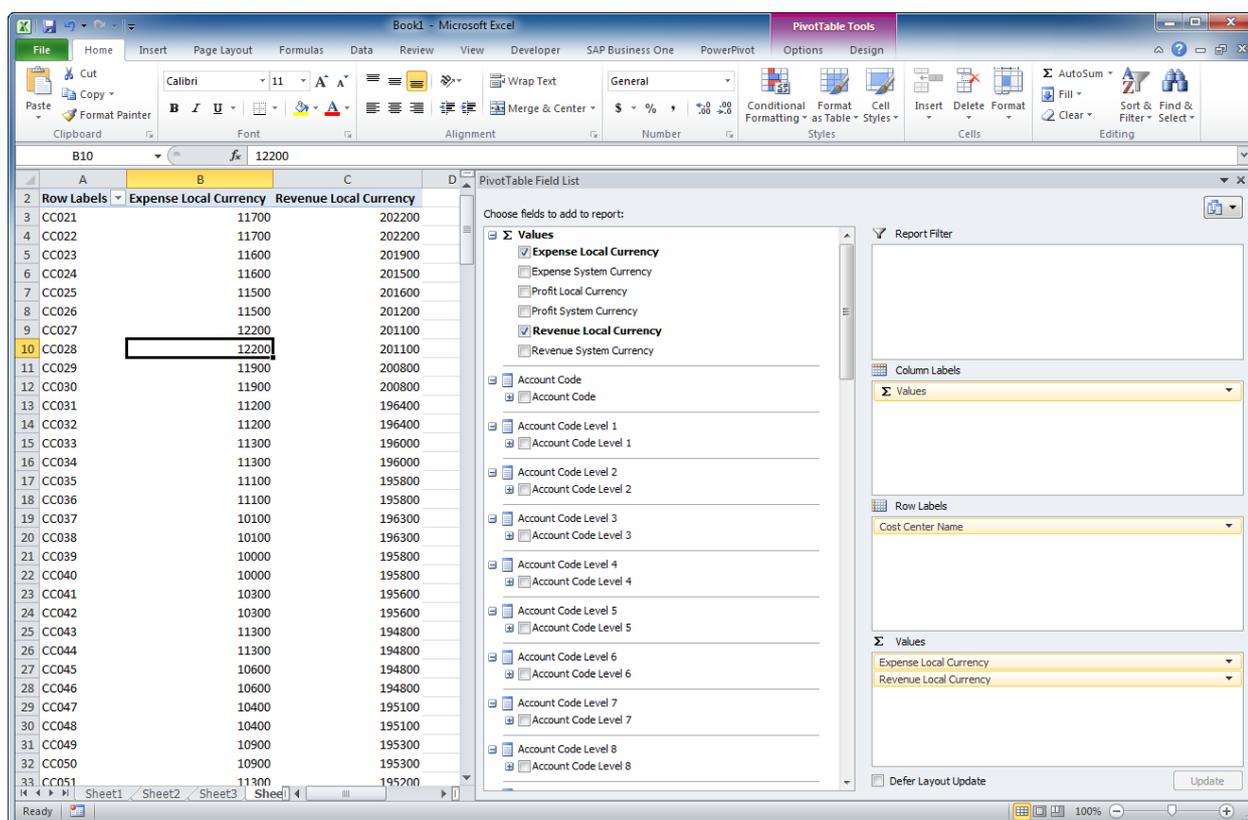
1.2.2   Tools to Consume Semantic Layers

Currently, there are several tools and software applications users can use to consume the semantic layer models, some of which are the following:

- SAP Crystal Reports
- SAP Dashboards
- SAP Lumira
- Excel PivotTable

The actual procedures for how to consume the semantic layer models vary from tool to tool. Here we provide two examples of how users can navigate semantic layer models in the tools, for further consumption or calculations:

- In SAP Crystal Reports for SAP Business One:

  In the *Standard Report Creation Wizard* window, the models are displayed in a list view. Users can select the models in this list directly.
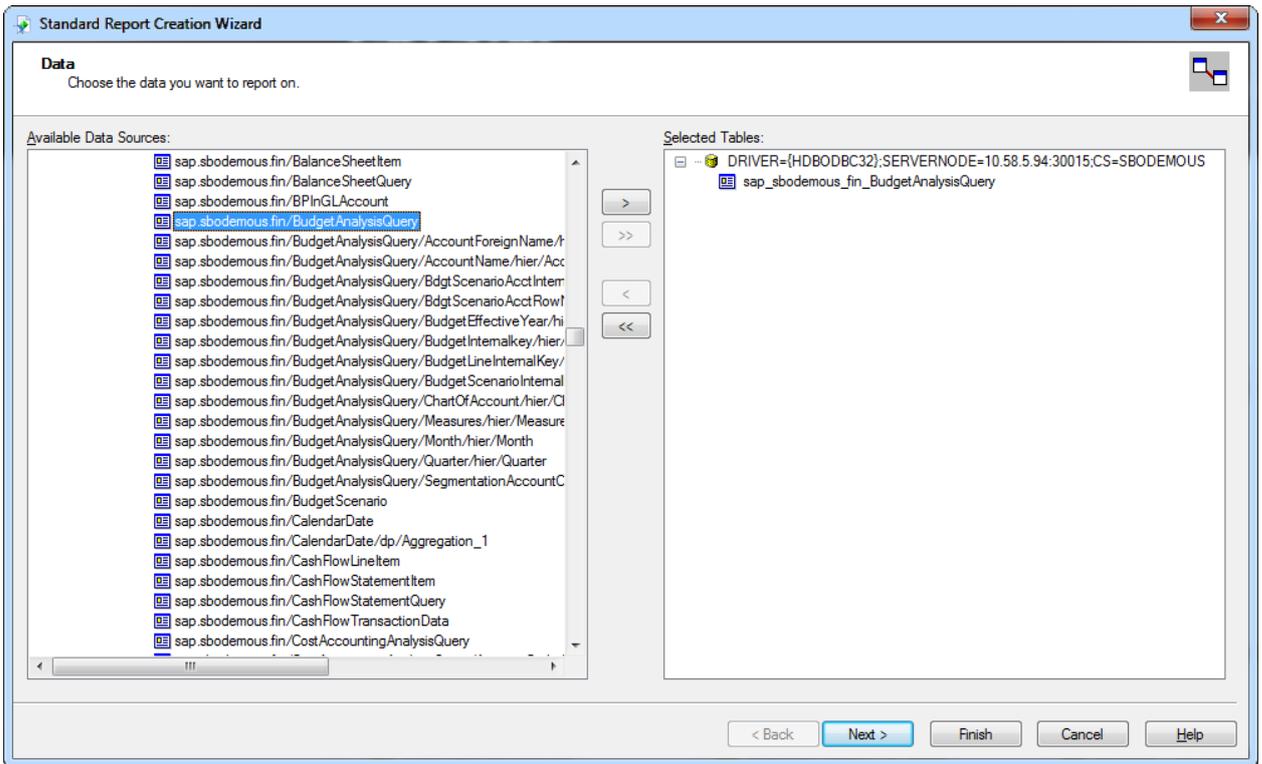
- In Excel PivotTable:

  In the *Data Connection Wizard* window, users select a database. Corresponding semantic layer models are listed in the window. Users can select the required model for analyzing, and then go to the next step for calculations.
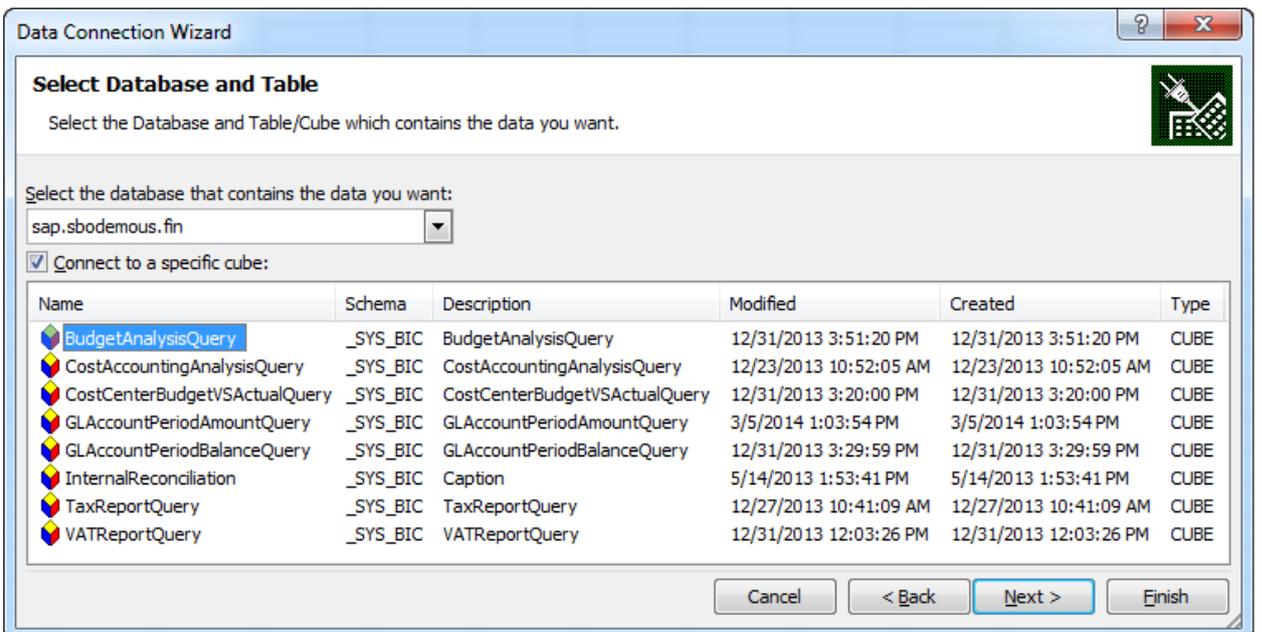
1.3   Rules for Using the Semantic Layer with SAP Business One

Semantic layers can be consumed by many different tools. SAP Business One enables you to use the semantic layer model package to analyze your company's data and information, as well as create a wide variety of reports in different business areas.

When you use the semantic layer with SAP Business One, the following rules apply:

*   The semantic layer model package is used based on a single company database, and the length of the database name cannot exceed 18 characters.
*   The status of the company database must be initialized.
*   In the Interactive Analysis module, you can only use those query views that do not include parameters and have the *MultiDimensional Reporting* property enabled.

> **i** Note
>
> In SAP Business One, data ownership authorizations function is not available for the semantic layer.

Semantic Layers Internationalization for SAP Predefined Model Package

In SAP Business One, you can select different languages for the semantic layer model package, to display the descriptions of the following contents in the language you require:

*   Views
*   Attributes and measures
*   Parameters
*   Hierarchies

To display the contents of the semantic layer model package in the language you require, perform one of the following:

*   Initialization or re-initialization of company databases

    When you initialize the company database in the Administration Console, select a model language for displaying the semantic layer model package.

    After the initialization is completed, the semantic layer model package is deployed successfully in SAP Business One, and the specific language you have selected is then displayed in the *Model Language* field.

    For more information, see the *Initializing Company Database* section in the Administrator's Guide for SAP Business One at http://service.sap.com/smb/sbocustomer/documentation.

*   Deployment of model package

    Procedures:

    1. From the SAP Business One *Main Menu*, choose *Administration → Setup → General → SAP HANA Model Management.* The *SAP HANA Model Management* window appears, displaying the semantic layer model package in a table.
    2. Select the semantic layer model package and choose the *Deploy* button. The *Model Language* window appears.
    3. In the *Select the display language for the package contents* dropdown list, select the language you require. Then choose the *OK* button.

    Result:

The semantic layer model package is deployed in SAP Business One, and the specific language you have selected is then displayed in the *Language* column in the table.

For more information, see SAP Note 1983350.

1.4 Related Documentation

The documents listed in the table are mentioned in this document.

Document	Location
Administrator's Guide for SAP Business One	See it in the documentation area of SAP Business One Customer Portal at http://service.sap.com/smb/sbocustomer/documentation
Working with Key Performance Indicators (KPIs) in SAP Business One, version for SAP HANA	See it in the documentation area of SAP Business One Customer Portal at http://service.sap.com/smb/sbocustomer/documentation

2 What Is a Semantic Layer

A semantic layer is a virtual data model that is well organized in a hierarchical structure.

In this virtual data system, the data is modeled into elements called technical views. Each technical view is designed to reflect a specific or comprehensive business scenario. Those views that reflect the scenarios in the same business area are grouped into a module, for example the financials module, or the inventory module.

In each technical view, there are fields that extract data and information from the database.

2.1 Technical Views

A technical view is a collection of operational data items selected from one or more tables. It can be a collection of a specific business scenario, or of a comprehensive business scenario. As a network of data, the technical view allows you to integrate data from different source tables in the database, enabling report authors and end users to access and analyze the information related to the business scenarios they require.

The semantic layer comprises 3 types of technical views:

- Attribute views

An attribute view contains only attributes. To some extent, it is like a collection of dimensional data. Generally speaking, attribute views bring together master data. However, technically they are not restricted to master data. They can be created on transactional data as well.

Attribute views are reusable. They can be included in analytic views and calculation views in different modules, and for different purposes.

- Analytic views

An analytic view contains both attributes and measures. It is like a collection of dimensional data with measures. As such, it is possible to achieve the depth of dimensional data.

If an analytic view includes one or more attribute views, then the definitions of the attribute views are passed on to the analytic view.

- Calculation views

A calculation view is a combination of attribute views, analytic views, and tables to reflect complex business scenario requirements. Therefore, it may contain both attributes and measures.

2.1.1 Naming Rules

The views collect data items relevant to the specific business scenarios. Views that reflect scenarios in the same business area are grouped into a module. Therefore, view names should be easy to understand and directly linked to the business scenario they reflect.

To facilitate easy recognition of names and their semantics, apply the following rules when defining view names:

Syntactic Rules

For view names to be intuitive and understandable, some technical constraints and rules are necessary. The basic syntactic rules are as follows:

- Use only letters (a-z / A-Z), numbers (0-9) and the underscore sign.
- Names cannot start with a number.
- Write all names in upper camel case. Example: **UpperCamelCase**
- Names cannot exceed 45 characters.
- The length of the package name plus the length of the view name cannot exceed 59 characters.

Abbreviation Rules

Because of the technical restriction on view names not to exceed 45 characters, names that are too long need to be abbreviated. The basic abbreviation rules are as follows:

- Abbreviate view names only if it is necessary.
- Use only standard abbreviations, and align the abbreviations in the use cases.
- If possible, do not abbreviate the BO IDs.

Semantic Rules

The name of a view must cover the whole semantic meaning of the business matter it represents. This semantic meaning must be unique within the modules, as well as understandable by the view name alone, without the need for any further context information. In addition, no contextual information has to be prefixed to view names to make them understandable. The basic semantic rules are as follows:

- View names consist of the package name combined with the name of the view. For example: sap.PackageName/ViewName.
- Use the singular, not the plural, unless the use of the singular causes ambiguities.

2.1.2   Query Views and Reuse Views

As mentioned above, semantic layers contain 3 types of views: attribute views, analytic views, and calculation views.

Beyond the technical view types, we also need to distinguish among different view categories which describe certain properties of a view. Currently we distinguish two categories of views: query views and reuse views.

> **i** Note
>
> In the delivered semantic layer model package, any view whose name ends with the word "Query" is a query view; otherwise, it is a reuse view.

2.1.2.1   Query Views

Query views are designed for direct consumption by an analytical application or a generic analytical tool. They are always at the top in a hierarchy of views, and they cannot be used in other views. They provide output fields in a format consumable by UIs and their names end with "Query".

From the business scenario perspective, query views are usually created by joining reuse views to reflect comprehensive business scenarios. As a consequence of joining views together, the data size is increased significantly. So in most query views, there is a special type of element called "input parameters". By defining values in input parameters before running reports, the report designers and creators can tailor the output data to their exact needs, filtering out unnecessary or redundant data.

> ⓘ Note
>
> To avoid calculation errors, for mandatory input parameters, we recommend you not change their *Is Mandatory* property in SAP HANA Studio.

2.1.2.2   Reuse Views

Reuse views are the heart of the virtual data model. They expose the business data in a well-structured, consistent, comprehensible way covering all relevant business data items in the database. They are designed for reuse by other views, or may even be consumed directly by analytic tools, although they are not designed for only one specific analytical scenario.

The name of a reuse view cannot end with "Query", and sometimes reuse views have input parameters as well, to filter the output data.

> ⓘ Note
>
> To avoid calculation errors, for mandatory input parameters, we recommend you not change their *Is Mandatory* property in SAP HANA Studio.

2.2   View Fields

Fields are the components that constitute the technical views in a semantic layer. They are the elements that map to data items and call the actual data from the tables in the company database.

We can classify the view fields into 2 categories: attributes and measures. Each field has a name and a description. However, the names of the fields need to be defined following certain rules, which will be introduced in the following section. You can maintain the view names and descriptions in SAP HANA Studio.

2.2.1   Naming Rules

Most of the fields in the technical views are directly derived from the corresponding database table fields where the only exceptions are the calculated fields. Database table fields have assignments to data elements, and

possibly there are data elements which fit the calculated view fields. It is therefore necessary to maintain the alignment for the names of the view fields.

Syntactic Rules

For field names to be intuitive and understandable, some technical constraints and rules are necessary. The basic syntactic rules are as follows:

- Use only letters (a-z / A-Z), numbers (0-9) and the underscore sign.
- Names cannot start with a number.
- Write all names in upper camel case. Example: **UpperCamelCase**
- Names cannot exceed 30 characters.

Abbreviation Rules

Because of the technical restriction on field names not to exceed 30 characters, names that are too long for displaying need to be abbreviated. The basic abbreviation rules are as follows:

- Abbreviate field names only if it is necessary.
- Use only standard abbreviations, and align the abbreviations in the use cases.
- If possible, do not abbreviate the BO IDs.

Semantic Rules

The names must cover the whole semantic meaning of the business matter it represents. This semantic meaning must be unique within the field name catalog, as well as understandable by the field name alone, without the need for any further context information. In addition, no contextual information has to be prefixed to view names to make them understandable. A certain semantic meaning must be named equally in all views. The basic semantic rules are as follows:

- Field names must be unique within a view.
- The same matter should be named the same in all views in which they occur.
- Use the singular, not the plural, unless the use of the singular causes ambiguities.

2.2.2   Fields

There are 2 categories of fields in the technical views, which are the attributes and the measures. These fields map to data items from the tables in the database, so that the output information can be brought together and displayed in the analytical reports.

Attributes

Attributes map to the descriptive dimensional data elements. They are used to identify the objects and the dimensions of the business objects which report authors want to analyze.

The following list comprises some of the most common attributes:

- AccountCode and AccountName
- BusinessPartnerCode and BusinessPartnerType
- MarketingDocumentType, DocumentInternalKey, and DocumentNumber
- FinancialPeriodCode and FinancialPeriodName
- ProjectCode and ProjectName
- BudgetStartDate, VATDate and ReconciliationDate
- AccountLevel and ParentAccount
- PostingDate, DocumentDate and DueDate
- JournalType, SeriesNumber and RemarkInRow
- TaxCode, TaxType and TaxAccount
- IsActive, IsAdjustingTransaction , IsDirectAllocation and AccountIsPostable

Measures

Measures are the numeric metric data elements attached to the attributes. They are used to measure the value of the specified objects so that report authors can achieve the depth and dimensions of the objects which they want to analyze.

The following list comprises some of the most common attributes:

- FiscalYearToDateDebit, FiscalYearToDateCredit, CalendarToDateDebit and CalendarYearToDateCredit
- OpeningBalance and ClosingBalance
- MonthlyBudgetAmount and MonthlyActualAmount
- DebitLC, DebitSC, CreditLC and CreditSC
- Revenue, Expense and Profit
- CostCenterBudgetAmount and CostCenterActualExpense
- InstallmentTotal and ClearedAmount
- BPOpeningBalance ,BPClosingBalance and BPAccountBalance
- OriginalAmount, AgingBalance and FutureRemint
- ReconciliationAmount

3 Administration Module

3.1 Introduction

The administration module includes calculation views that collect basic and dimensional information, such as branches, business partners, cost centers, currencies, financial periods, G/L accounts, items, tax groups, and so on.

3.2 Views in Admin Module

> **i** Note
>
>   Any view whose name ends with the word "Query" is a query view; otherwise, it is a reuse view.

The views included in the administration module are introduced as follows:

3.2.1 Administration View

Description

"Administration" is a reuse view that collects the company's administrative information data, such as general settings, company details, G/L account determination, authorizations, and so on.

Use Case

Usually, the Administration view is not used for creating reports on its own. As a reuse view, it is more like a fundamental and input view used to bring administration related information to other views. In this manner, the information in a specific business scenario is enriched, and users can design and create comprehensive reports from more angles.

Data Coverage

The Administration view retrieves data from the following tables:

Name	Description
OADM	A table that maps to the *Company Details* window in SAP Business One.

Name	Description
ADM1	A table that maps to the *Company Details* window in SAP Business One.

3.2.2 BinLocation View

Description

The BinLocation view collects data items from the master data of the bin locations defined in the database.

Use Case

As a reuse view, the BinLocation view is the input data foundation of other views used to create reports that require detailed analysis regarding bin locations.

Data Coverage

The BinLocation view retrieves data from the following tables:

Name	Description
OBIN	A table that maps to the *Bin Location Master Data* window in SAP Business One.

3.2.3 Branch View

Description

The Branch view collects data items from the master data of the branches defined in the database.

Use Case

As a reuse view, the Branch view is the input data foundation of other views used to create reports that require detailed analysis regarding branches.

Data Coverage

The Branch view retrieves data from the following tables:

Name	Description
OBPL	A table that maps to the *Branches - Setup* window in SAP Business One.
OCRY	A table that maps to the *Countries - Setup* window in SAP Business One.

3.2.4 BudgetCalendar View

Description

The BudgetCalendar view collects time conceptual data from the calendar time point of view. The attributes it includes reflect time-related information at different levels.

Use Case

The BudgetCalendar view contains time dimensions of budget at different levels. Hence, it is usually used in time-sensitive budget analysis.

Data Coverage

The BudgetCalendar view retrieves data from the following tables:

Name	Description
M_TIME_DIMENSION	A table shipped by the HANA database which stores data about each date, according to user-defined ranges.

3.2.5 BudgetScenario View

Description

The BudgetScenario view collects data items from the master data of all defined budget scenarios.

Use Case

As a reuse view, BudgetScenario can be used as the input data foundation of other views to create budgetary analysis reports.

Data Coverage

The BudgetScenario view retrieves data from the following tables:

Name	Description
OBGS	A table that maps to the *Budget Scenarios - Setup* window in SAP Business One.

3.2.6   BusinessPartner View

Description

The BusinessPartner view is a collection of information and data items from business partner master data, including the numeric data, such as the BP account balance and the open deliveries/orders/checks balance.

Use Case

The BusinessPartner view, as a reuse view, provides data items that are stored in the business partner master data to any views that need the information to form a comprehensive view for users, to design and create reports which require business partner related information.

Data Coverage

The BusinessPartner view retrieves data from the following tables:

Name	Description
OCRD	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains the information in the *Business Partner Master Data* header.
OCRG	A table that maps to the *Customer/Vendor Groups - Setup* window in SAP Business One.
CRD7	A table that maps to the *Tax* sub tab of the *Accounting* tab in the *Business Partner Master Data* window in SAP Business One. It is used in Brazil localization only.

3.2.7   CalendarDate View

Description

The CalendarDate view collects the time conceptual data from the calendar time point of view. The attributes it includes can reflect time related information at different levels and from different angles. Following are some examples:

- Time values in different time formats
    - o   Timestamp: <MMM DD, YYYY HH:MM:SS>
    - o   Date: <MMM DD, YYYY>
    - o   DateSAP: <YYYYMMDDHHMMSS>
- Time values in different time units
    - o   Year: <YYYY>
    - o   Quarter: <QQ>
    - o   CalendarMonth: <YYYYMM>
- Values to describe a sub time unit in its parent time units
    - o   DayOfWeek: the number of the day in a week, displayed as <03> for example.
    - o   WeekYear: the year in which a week starts. For example, <1 Jan 2014> is a Wednesday, so its WeekYear is "2013".

Use Case

The CalendarDate view contains most types of time dimensions, which explains why this view is used considerably by time sensitive financial reports.

Data Coverage

The CalendarDate view retrieves data from the following tables:

Name	Description
OFPR	A table that maps to the *Posting Period* window in SAP Business One.
M_TIME_DIMENSION	A table shipped by HANA database which stores data about each date, according to user defined ranges.

3.2.8 CashFlowLineItem View

Description

The CashFlowLineItem view collects the dimensional data items from the master data of cash flow line items that are defined in the database.

Use Case

The CashFlowLineItem view, as a reuse view, is often used as the input data foundation of other views for cash flow related reports and the financial KPI related analysis.

Data Coverage

Name	Description
OCFW	A table that maps to the *Cash Flow Line Items* window in SAP Business One.

3.2.9 CostCenter View

Description

The CostCenter view collects data items from the master data of the active dimensions.

Use Case

This view is the input data foundation of other views used to create reports that require detailed analysis regarding cost centers.

Data Coverage

The CostCenter view retrieves data from the following tables:

Name	Description
ODIM	A table that maps to the *Dimensions* window in SAP Business One.
OPRC	A table that maps to the *Cost Centers - Setup* window in SAP Business One.

3.2.10 CostCenterDimension View

Description

The CostCenterDimension view collects data items from the master data of the active dimensions.

Use Case

This view is used to found the CostCenterDistributionRule view.

Data Coverage

The CostCenterDimension view retrieves data from the following tables:

Name	Description
ODIM	A table that maps to the *Dimensions* window in SAP Business One.

3.2.11 CostCenterDistributionRule View

Description

The CostCenterDimension view collects data items from the master data of the cost accounting function.

Use Case

This view can be used as the input data foundation of other views to support cost accounting related reports that require detailed analysis regarding distribution rules.

Data Coverage

The CostCenterDistributionRule view retrieves data from the following tables and views.

Name	Description
MDR1	A table that maps to the *Distribution Rules - Setup* window in SAP Business One, and contains the information in the *Distribution Rules* table. **i** Note

Name	Description
	This table takes effect only when the manual distribution method is used.
OMDR	A table that maps to the *Distribution Rules - Setup* window in SAP Business One, and contains the information in the *Distribution Rules* header. **i** Note This table takes effect only when the manual distribution method is used.
OCR1	A table that maps to the *Distribution Rules - Setup* window in SAP Business One, and contains the information in the *Distribution Rules* table.
OOCR	A table that maps to the *Distribution Rules* window in SAP Business One, and contains the information in the *Distribution Rules* header
OPRC	A table that maps to the *Cost Centers - Setup* window in SAP Business One.
adm.CostCenterDimension View	See the *Description* section of the CostCenterDimension View.

3.2.12 Country View

Description

The Country view collects the names of all the countries and regions that SAP Business One currently supports. All of these countries and regions have a standard abbreviated country or region name in the system.

Use Case

Just like the Administration view, this view brings the country information to other views, so that the reports can be designed to include the localization factor, and analysis between regions can be achieved.

Data Coverage

The Country view retrieves data from the following tables:

Name	Description
OCRY	A table that maps to the *Countries - Setup* window in SAP Business One.

3.2.13   Currency View

Description

The Currency view collects the defined currencies in the database which all have their individual abbreviated currency code.

Use Case

The Currency view, as a reuse view, is used to combine with other views to enable the report results to be displayed in multiple currencies.

Data Coverage

The currency view retrieves data from the following tables:

Name	Description
OCRN	A table that maps to the *Currencies* window in SAP Business One.

3.2.14   DocumentDate View

Description

The DocumentDate view collects time conceptual data from the perspective of document dates. The attributes it includes can reflect time-related information at different levels.

Use Case

The DocumentDate view contains time dimensions at different levels. Therefore, it is usually used in analysis or reports that consider document dates as a meaningful factor.

Data Coverage

The DocumentDate view retrieves data from the following tables:

Name	Description
M_TIME_DIMENSION	A table shipped by the HANA database which stores data about each date, according to user-defined ranges.

3.2.15 DocumentInstallment View

Description

The DocumentInstallment view collects data items from the installments master data and calculates the total installment amounts and the cleared amounts of the installments.

Use Case

This view can be used to collect information about the payable amounts that are collected by means of installments, and analyze the performances of collecting the installments from the customers. In addition, the source document of the installments can be traced, and the influence of document types can be revealed.

Data Coverage

The DocumentInstallment view retrieves data from the following tables:

Name	Description
INV6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *A/R Invoice* window in SAP Business One.
RIN6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *A/R Credit Memo* window in SAP Business One.
PCH6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *A/P Invoice* window in SAP Business One.
RPC6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *A/P Credit Memo* window in SAP Business One.
DPO6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *A/P Down Payment Invoice* window in SAP Business One.
DPI6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *A/R Down Payment Invoice* window in SAP Business One.
CSI6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *A/R Correction Invoice* window in SAP Business One.
CPV6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *A/P Correction Invoice Reversal* window in SAP Business One.
CSV6	A table maps to the *Installments* window opened from the *Accounting* tab in the *A/R Correction Invoice Reversal* window in SAP Business One.
CPI6	A table that maps to the *Installments* window opened from the *Accounting* tab in

Name	Description
	the *A/P Correction Invoice* window in SAP Business One.
RPD6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *Goods Return* window in SAP Business One.
RDR6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *Sales Order* window in SAP Business One.
RDN6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *Return* window in SAP Business One.
QUT6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *Sales Quotation* window in SAP Business One.
DLN6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *Delivery* window in SAP Business One.
IEI6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *Incoming Excise Invoice* window in SAP Business One. It is used in the India localization only.
OEI6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *Outgoing Excise Invoice* window in SAP Business One. It is used in the India localization only.
PDN6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *Goods Receipt PO* window in SAP Business One.
POR6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *Purchase Order* window in SAP Business One.
PQT6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *Purchase Quotation* window in SAP Business One.
PRQ6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *Purchase Request* window in SAP Business One.

3.2.16   DocumentType View

Description

The DocumentType view collects data items about the document types and the code of the document types of all the documents that are supported by SAP Business One.

Use Case

As a reuse view, the DocumentType view can be used as the input data foundation of any views based on which report authors can design and create reports that need to distinguish the results by source document types.

Data Coverage

The DocumentType view retrieves data from the following tables:

Name	Description
ANALYTICS_METADATA	A table created in the database that contains all document types that are supported in SAP Business One.

3.2.17 DueDate View

Description

The DueDate view collects time conceptual data from the perspective of due dates. The attributes it includes can reflect time-related information at different levels.

Use Case

The DueDate view contains time dimensions at different levels. Therefore, it is usually used in analysis or reports that consider due date as a meaningful factor.

Data Coverage

The DueDate view retrieves data from the following tables:

Name	Description
M_TIME_DIMENSION	A table shipped by the HANA database which stores data about each date, according to user-defined ranges.

3.2.18 Employee View

Description

The Employee view is a collection of information and data items from employee master data.

Use Case

As a reuse view, the Employee view is the input data foundation of other views used to create reports which require analysis regarding employees or document owners.

Data Coverage

The Employee view retrieves data from the following tables:

Name	Description
OHEM	A table that maps to the *Employee Master Data* window in SAP Business One and contains the information in the *Employee Master Data* header.
OBPL	A table that maps to the *Branches - Setup* window in SAP Business One.
OUDP	A table that maps to the *Departments - Setup* window in SAP Business One.
OUSR	A table that maps to the *Users - Setup* window in SAP Business One.

3.2.19   FinancialPeriod View

Description

The FinancialPeriod view collects data items from financial period master data.

Use Case

As a reuse view, the FinancialPeriod view can be used as the input data foundation of other views to create financial reports which require comparisons and detailed analysis regarding financial periods.

Data Coverage

The FinancialPeriod view retrieves data from the following tables:

Name	Description
OACP	A table that maps to the *Posting Periods* window in SAP Business One.
OFPR	A table that maps to the *Posting Period* window in SAP Business One.

3.2.20   FinancialTemplateItem View

Description

The FinancialTemplateItem view collects data items from the financial template master data.

Use Case

As a reuse view, the FinancialTemplateItem view is used as the input data foundation of other views to create the balance sheet, P&L and cash flow related reports, and to achieve the financial KPI related analysis, as well.

Data Coverage

The FinancialTemplateItem view retrieves data from the following tables:

Name	Description
OFRC	A table that maps to the *Financial Report Templates* window in SAP Business One.
OFRT	A table that maps to the *Financial Report Templates* window in SAP Business One.

3.2.21 GLAccount View

Description

The GLAccount view collects dimensional data items from the G/L account master data.

Use Case

The GLAccount view can be used as the input data foundation of other views to obtain additional information about the G/L accounts, to support accounting analytical reports.

Data Coverage

The GLAccount view retrieves data from the following tables and views:

Name	Description
OACT	A table that maps to the *Chart of Accounts* window in SAP Business One.
OACG	A table that maps to the *Chart of Accounts* window in SAP Business One, and contains the information about the G/L account categories.
adm.GLAccountSegmentation View	See the *Description* section of the GLAccountSegmentation View.

3.2.22 GLAccountLevel View

Description

The GLAccountLevel view collects data items from the name and code of each active G/L account on each account level.

Use Case

As a reuse view, the GLAccountLevel view can be used as the input data foundation of other views to create reports which require comparisons and detailed analysis considering the account structure.

Data Coverage

The FinancialTemplateItem view retrieves data from the following tables.

Name	Description
OACT	A table that maps to the *Chart of Accounts* window in SAP Business One.
OASC	A table that maps to the *Account Segmentation - Setup* window in SAP Business One.

3.2.23 GLAccountSegmentation View

Description

In the segmented account system, the GLAccountSegmentation view collects data items such as account codes, names, and levels.

Use Case

The GLAccountSegmentation view can be used as the input data foundation of other views to obtain additional information about the segmented G/L accounts, to support accounting analytical reports.

Data Coverage

The GLAccountSegmentation view retrieves data from the following tables.

Name	Description
OACT	A table that maps to the *Chart of Accounts* window in SAP Business One.
OASC	A table that maps to the *Account Segmentation - Setup* window in SAP Business One.

3.2.24 GLAccountType View

Description

The GLAccountType view collects several simple data items about the G/L accounts, such as account code, name type, segment code and whether it is an active account.

Use Case

The GLAccountType view can be used as the input data foundation of other views to create reports that need to distinguish the differences between results brought by different account types.

Data Coverage

The GLAccountType view retrieves data from the following tables.

Name	Description
OACT	A table that maps to the *Chart of Accounts* window in SAP Business One.

3.2.25 Industry View

Description

The Industry view collects data items from the master data of the defined industry type.

Use Case

As a reuse view, the Industry view is used as an input data foundation of other views in analysis. It often combines with the business partner, territory, receivable and payable related information to provide comprehensive analytical reports.

Data Coverage

The Industry view retrieves data from the following tables.

Name	Description
OOND	A table that maps to the *Industry - Setup* window in SAP Business One.

3.2.26   InternalReconciliation View

Description

The InternalReconciliation view collects data items from the internal reconciliation master data.

Use Case

As a reuse view, the InternalReconciliation view contains data items required by the aging reports. As such, it is one of the key views to constitute any account receivable and account payable related views.

Data Coverage

The InternalReconciliation view retrieves data from the following tables:

Name	Description
OITR	A table that maps to the *Internal Reconciliation - Selection Criteria* window in SAP Business One.
ITR1	A table that maps to the *Internal Reconciliation* window in SAP Business One.

3.2.27   Item View

Description

The Item view is a collection of information and data items from item master data. It includes the key properties of the items, such as item type, UoM group, shipping type, valuation method and so on.

Use Case

In purchasing and sales-related reports, analyses are always carried out centered on items. Therefore, the Item view is one core view used as the input data foundation in such analyses. It often combines with the business

partner, warehouse, branch, and sales employee or buyer-related information, to provide comprehensive analytical reports.

Data Coverage

The Item view retrieves data from the following tables:

Name	Description
OITM	A table that maps to the *Item Master Data* window in SAP Business One and contains the information in the *Item Master Data* header.
OITB	A table that maps to the *Item Groups - Setup* window in SAP Business One.
OUGP	A table that maps to the *Unit of Measure Groups - Setup* window in SAP Business One and contains the information in the *Business Partner Master Data* header.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.

3.2.28 KPIFactorItem View

Description

The KPIFactorItem view collects a few dimensional data items from the KPI factors, the financial report template, and the financial report template items.

Use Case

The KPIFactorItem view is an input data foundation of other views to achieve KPI related analysis.

Data Coverage

The KPIFactorItem view retrieves data from the following tables:

Name	Description
OKPF	A table that maps to the *Financial KPI Factors - Setup* window in SAP Business One.
OFRC	A table that maps to the *Financial Report Templates* window in SAP Business One.

3.2.29 MarketingDocument View

Description

The MarketingDocument view is a union of the headers of all marketing documents that SAP Business One supports. It collects data items from the headers of all the marketing documents, so there is no measure in this view.

Use Case

As a reuse view, the Marketing Document view contains the key information of all market documents. It is the entry point to achieve sales related analyses, as well as aging analyses.

Data Coverage

The MarketingDocument view retrieves data from the following tables:

Name	Description
OINV	A table that maps to the *A/R Invoice* window in SAP Business One, and contains the information in the *A/R Invoice* header.
ORIN	A table that maps to the *A/R Credit Memo* window in SAP Business One, and contains the information in the *A/R Credit Memo* header.
OPCH	A table that maps to the *A/P Invoice* window in SAP Business One, and contains the information in the *A/P Invoice* header.
ORPC	A table that maps to the *A/P Credit Memo* window in SAP Business One, and contains the information in the *A/P Credit Memo* header.
ODPO	A table that maps to the *A/P Down Payment* window in SAP Business One, and contains the information in the *A/P Down Payment* header.
ODPI	A table that maps to the *A/R Down Payment* window in SAP Business One, and contains the information in the *A/R Down Payment* header.
OCSI	A table that maps to the *A/R Correction Invoice* window in SAP Business One, and contains the information in the *A/R Correction Invoice* header.
OCPV	A table that maps to the *A/P Correction Invoice Reversal* window in SAP Business One, and contains information in the *A/P Correction Invoice Reversal* header.
OCSV	A table that maps to the *A/R Correction Invoice Reversal* window in SAP Business One, and contains information in the *A/R Correction Invoice Reversal* header.
OCPI	A table that maps to the *A/P Correction Invoice* window in SAP Business One, and contains the information in the *A/P Correction Invoice* header.
ORPD	A table that maps to the *Goods Return* window in SAP Business One, and contains the information in the *Goods Return* header.

Name	Description
ORDR	A table that maps to the *Sales Order* window in SAP Business One, and contains the information in the *Sales Order* header.
ORDN	A table that maps to the *Return* window in SAP Business One, and contains the information in the *Return* header.
OQUT	A table that maps to the *Sales Quotation* window in SAP Business One, and contains the information in the *Sales Quotation* header.
ODLN	A table that maps to the *Delivery* window in SAP Business One, and contains the information in the *Delivery* header.
OIEI	A table that maps to the *Incoming Excise Invoice* window in SAP Business One, and contains information in the *Incoming Excise Invoice* header. It is used in the India localization only.
OOEI	A table that maps to the *Outgoing Excise Invoice* window in SAP Business One, and contains information in the *Outgoing Excise Invoice* header. It is used in the India localization only.
OPDN	A table that maps to the *Goods Receipt PO* window in SAP Business One, and contains information in the *Goods Receipt PO* header.
OPOR	A table that maps to the *Purchase Order* window in SAP Business One, and contains information in the *Purchase Order* header.
OPQT	A table that maps to the *Purchase Quotation* window in SAP Business One, and contains information in the *Purchase Quotation* header.
OPRQ	A table that maps to the *Purchase Request* window in SAP Business One, and contains information in the *Purchase Request* header.

3.2.30 OpportunityClosingDate View

Description

The OpportunityClosingDate view collects time-conceptual data about the closing date of sales opportunities. The attributes it includes can reflect time-related information at different levels.

Use Case

The OpportunityClosingDate view contains time dimensions at different levels. Therefore, it is usually used to constitute opportunity analysis or reports that consider the opportunity closing date as a meaningful factor.

Data Coverage

The OpportunityClosingDate view retrieves data from the following tables:

Name	Description
M_TIME_DIMENSION	A table shipped by the HANA database which stores data about each date, according to user-defined ranges.

3.2.31   OpportunityPredictedClosingDate View

Description

The OpportunityPredictedClosingDate view collects time-conceptual data about the predicted closing date of sales opportunities. The attributes it includes can reflect time-related information at different levels.

Use Case

The OpportunityPredictedClosingDate view contains time dimensions at different levels. Therefore, it is usually used to constitute opportunity analysis or reports that consider the predicted closing date of an opportunity as a meaningful factor.

Data Coverage

The OpportunityPredictedClosingDate view retrieves data from the following tables:

Name	Description
M_TIME_DIMENSION	A table shipped by the HANA database which stores data about each date, according to user-defined ranges.

3.2.32   OpportunityStartDate View

Description

The OpportunityStartDate view collects time-conceptual data about the start date of sales opportunities. The attributes it includes can reflect time-related information at different levels.

Use Case

The OpportunityStartDate view contains time dimensions at different levels. Therefore, it is usually used to constitute opportunity analysis or reports that consider the opportunity start date as a meaningful factor.

Data Coverage

The OpportunityStartDate view retrieves data from the following tables:

Name	Description
M_TIME_DIMENSION	A table shipped by the HANA database which stores data about each date, according to user-defined ranges.

3.2.33 PaymentMethod View

Description

The PaymentMethod view collects data items from the master data of the active payment method.

Use Case

This view is the input data foundation of other views used to create reports regarding payment analysis.

Data Coverage

The PaymentMethod view retrieves data from the following tables:

Name	Description
OPYM	A table that maps to the *Payment Methods - Setup* window in SAP Business One.

3.2.34 PostingDate View

Description

The PostingDate view collects time conceptual data from the perspective of posting dates. The attributes it includes can reflect time-related information at different levels.

Use Case

Posting date is considered as key information from accounting point of view. So the PostingDate view is used in almost all purchasing and sales analysis or reports.

Data Coverage

The PostingDate view retrieves data from the following tables:

Name	Description
M_TIME_DIMENSION	A table shipped by the HANA database which stores data about each date, according to user-defined ranges.

3.2.35   ProjectCode View

Description

The ProjectCode view collects data items from the master data of the projects defined in the database.

Use Case

As a reuse view, the ProjectCode view is the input data foundation of other views used to create project analysis reports.

Data Coverage

The ProjectCode view retrieves data from the following tables:

Name	Description
OPRJ	A table that maps to the *Projects - Setup* window in SAP Business One.

3.2.36   ReconciliationDate View

Description

The ReconciliationDate view collects time conceptual data from the perspective of date of reconciliation. The attributes it includes can reflect time-related information at different levels.

Use Case

The ReconciliationDate view contains time dimensions at different levels. Therefore, it is usually used in analysis or reports regarding aging that consider reconciliation date as a meaningful factor.

Data Coverage

The DueDate view retrieves data from the following tables:

Name	Description
M_TIME_DIMENSION	A table shipped by the HANA database which stores data about each date, according to user-defined ranges.

3.2.37   ReconciliationDocumentType View

Description

The ReconciliationDocumentType view collects the metadata of reconciliation document types that are supported by SAP Business One.

Use Case

As a reuse view, the ReconciliationDocumentType view is used as an input data foundation of other views in analysis. It provides the metadata and information to aging related reports, so that an analysis based on different reconciliation document types can be achieved, and the influence of document types can be revealed.

Data Coverage

The ReconciliationDocumentType view retrieves data from the following tables:

Name	Description
ANALYTICS_METADATA	A table created in the database that contains all document types supported in SAP Business One.

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3.2.38 SalesEmployeeOrBuyer View

Description

The SaleEmployeeOrBuyer view collects information and data items from master data of sales employees or buyers.

Use Case

As a reuse view, the SaleEmployeeOrBuyer view is the input data foundation of other views used to create sales and purchasing reports which require analysis regarding sales employees or buyers.

Data Coverage

The SaleEmployeeOrBuyer view retrieves data from the following tables:

Name	Description
OSLP	A table that maps to the *Sales Employee/Buyers* window in SAP Business One.
OHEM	A table that maps to the *Employee Master Data* window in SAP Business One and contains the information in the *Employee Master Data* header.
OUDP	A table that maps to the *Departments - Setup* window in SAP Business One.
OBPL	A table that maps to the *Branches - Setup* window in SAP Business One.
OUSR	A table that maps to the *Users - Setup* window in SAP Business One.

3.2.39 SystemDate View

Description

The SystemDate view collects time-conceptual data from the perspective of server time. Server time is the time on the computer at which your database server is installed. The attributes it includes can reflect time-related information at different levels.

Use Case

The SystemDate view contains dimensions regarding the creation time of transactions and documents. It is usually used to identify the creation sequence of transactions and documents, and it is widely used in inventory-related reports and analysis.

Data Coverage

The SystemDate view retrieves data from the following tables:

Name	Description
M_TIME_DIMENSION	A table shipped by the HANA database which stores data about each date, according to user-defined ranges.

3.2.40 TaxGroup View

Description

The TaxGroup view collects dimensional data items from the tax master data when the single tax system is used.

Use Case

As a reuse view, it is used as the input data foundation of any other views to support sales or financial related reports that require detailed analysis regarding jurisdiction taxes; however, sometimes it can be used directly to build tax reports.

Data Coverage

The TaxGroup view retrieves data from the following tables:

Name	Description
OVTG	A table that maps to the *Tax Groups - Setup* window in SAP Business One, and contains the information in the *Tax Groups - Setup*.

3.2.41 TaxJurisdiction View

Description

The TaxJurisdiction view collects dimensional data items from the tax master data when the jurisdiction tax system is used.

Use Case

As a reuse view, it is used as the input data foundation of any other views to support sales or financial related reports that require detailed analysis regarding jurisdiction taxes; however, sometimes it can be used directly to build tax reports.

Data Coverage

The TaxJurisdiction view retrieves data from the following tables:

Name	Description
OSTC	A table that maps to the *Sale Tax Codes - Setup* window in SAP Business One, and contains the information in the *Sale Tax Codes - Setup* header.
STC1	A table that maps to the *Sale Tax Codes - Setup* window in SAP Business One, and contains the information in the *Sale Tax Codes - Setup* table.
OSTA	A table that maps to the *State Rates - Setup* window in SAP Business One.
OSTT	A table that maps to the *Sale Tax Jurisdiction Types - Setup* window in SAP Business One.

3.2.42 Territory View

Description

The Territory view collects data items from the territory master data.

Use Case

As a reuse view, the Territory view is used as the input data foundation of other views in analysis. It often combines with the business partner, industry, and receivable and payable related information, to provide comprehensive analytical reports.

Data Coverage

The Territory view retrieves data from the following tables:

Name	Description
OTER	A table that maps to the *Territories - Setup* window in SAP Business One.

3.2.43   VATDate View

Description

The VATDate view collects time conceptual data from the perspective of dates of VAT. The attributes it includes can reflect time-related information at different levels.

Use Case

The VATDate view contains time dimensions at different levels. Therefore, it is usually used in analysis or reports that consider the VAT date as a meaningful factor.

Data Coverage

The VATDate view retrieves data from the following tables:

Name	Description
M_TIME_DIMENSION	A table shipped by the HANA database which stores data about each date, according to user-defined ranges.

3.2.44   Warehouse View

The Warehouse view collects data items from the master data of the active warehouses.

Use Case

As a reuse view, the Warehouse view is used as an input data foundation of other views in analysis. It often combines with the business partner, item, document type and branch-related information to provide comprehensive analytical reports.

Data Coverage

The Item view retrieves data from the following tables:

Name	Description
OLCT	A table that maps to the *Locations - Setup* window in SAP Business One.
OWHS	A table that maps to the *Warehouses - Setup* window in SAP Business One and contains the information in the *Warehouses - Setup* header.
OBPL	A table that maps to the *Branches - Setup* window in SAP Business One.

4 Purchasing Module

4.1 Introduction

The Purchasing module includes calculation views that collect data from the tables used in the Purchasing - A/P module. Use views in this module to produce reports and analyses for the purchasing activities and transactions of your company. The module can also help you to achieve pervasive analytics, from the boardroom to the shop floor. It provides you with insights into issues and potential risks in the purchasing cycle, so that appropriate actions or adjustments can be taken to improve business efficiency.

Views in this module are categorized into two folders: **Multi-Document Scenarios** and **Single-Document Transactions**.

4.2 Views in Multi-Document Scenarios Folder

Views in this folder are prepared according to specific business scenarios. We considered several typical scenarios in the purchasing cycle; a calculation view is provided for each scenario.

> **i** Note
>
> Any view whose name ends with the word "Query" is a query view; otherwise, it is a reuse view.

4.2.1 Scenario: Average Purchasing Price

Description

The AveragePurchasingPriceFact view and AveragePurchasingPriceQuery view focus on data related to purchase orders, A/P invoices, and A/P reserve invoices. They join dimensional information such as item, business partners, and posting dates, as well as aggregate numeric values, for instance, purchasing amounts, quantities and unit prices.

Use Case

The AveragePurchasingPriceFact view and AveragePurchasingPriceQuery view let you analyze the prices of the items you purchase from different perspectives, and find out how different factors impact the prices, such as vendors, buyers, seasons, and branches.

Business Rules

- Item is a mandatory dimension for using views in this scenario.
- Data is not considered for those document lines that:
    - Are in *Service* type documents
    - Are in *Canceled* documents or *Cancellation* documents
    - Have a zero or negative *Quantity*
    - Have the *Tax Only* checkbox selected

Data Coverage

The AveragePurchasingPriceFact view retrieves data from the following views:

Name	Description
ap.doc.PurchaseOrderDetailFact View	A view that collects the information from the *Contents* tab in the *Purchase Order* window in SAP Business One.
ap.doc.PurchaseOrderHeaderFact View	A view that collects the information from the header of the *Purchase Order* window in SAP Business One.
ap.doc.APInvoiceDetailFact View	A view that collects the information from the *Contents* tab in the *A/P Invoice* window in SAP Business One.
ap.doc.APInvoiceHeaderFact View	A view that collects the information from the header of the *A/P Invoice* window in SAP Business One.
ap.doc.APReserveInvoiceDetailFact View	A view that collects the information from the *Contents* tab in the *A/P Reserve Invoice* window in SAP Business One.
ap.doc.APReserveInvoiceHeaderFact View	A view that collects the information from the header of the *A/P Reserve Invoice* window in SAP Business One.

The AveragePurchasingPriceQuery view retrieves data from the following views:

Name	Description
ap.case.AveragePurchasingPriceFact View	See the *Description* section of the Scenario: Average Purchasing Price.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.Item View	See the *Description* section of the Item View.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.

Name	Description
adm.Warehouse View	See the *Description* section of the Warehouse View.

4.2.2 Scenario: On-Time Receipt Statistics

Description

The OnTimeReceiptStatisticsFact view and OnTimeReceiptStatisticsQuery view focus on data related to purchasing orders and goods receipt POs. The views are used to calculate the receipt variance days for the ordered goods.

Use Case

In the real business world, it is important for a company to keep their inventories at an appropriate level. Holding high levels of inventories usually increases the storage costs, and the company can suffer the risk of theft and damage; however, maintaining low levels of inventories can easily lead to production stoppages and customer dissatisfaction. So it is very helpful for a company to be able to gauge whether their orders can be received on time, and if not, whether they are received in advance or delayed.

With views in this scenario, you can calculate the variance days in general, or analyze them by business partners and buyers. You can also use variance days as a KPI to measure your vendors' performances.

Business Rules

- Calculation logic for "Average Receipt Variance Days":
  - It calculates the number of days between the posting date of the goods receipt PO and the due date of its source purchase order.
  - Receipt delay and receipt in advance days are both displayed as positive values.
- Purchase orders of *Service* type are not considered.
- Purchase orders of *Item* type are considered only when they meet either of the following conditions:
  - The document status is *Open*, and there are related target goods receipt POs.
  - The document status is *Closed*, and the documents were fully or partially copied to goods receipt POs.
- If a purchase order was copied to more than one goods receipt PO, only the goods receipt PO with the latest posting date is considered in the calculation of "Average Receipt Variance Days".
- All dimensional information is retrieved from purchase orders.
- The posting date of the goods receipt PO and the due date of the source purchase order are compared to determine whether goods are receipt on time:
  - For the measure "AdvanceDays", positive values indicate receipt in advance; value "0" indicates receipt on time or delay.
  - For the measure "DelayedDays", positive values indicate receipt delay; value "0" indicates receipt on time or in advance.

Data Coverage

The OnTimeReceiptStatisticsFact view retrieves data from the following tables and views:

Name	Description
OPDN	A table that maps to the *Goods Receipt PO* window in SAP Business One, and contains information in the *Goods Receipt PO* header.
PDN1	A table that maps to the *Goods Receipt PO* window in SAP Business One, and contains information on the *Contents* tab.
ap.doc.PurchaseOrderHeaderFact View	A view that collects the information from the header of the *Purchase Order* window in SAP Business One.

The OnTimeReceiptStatisticsQuery view retrieves data from the following views:

Name	Description
ap.case.OnTimeReceiptStatisticsFact View	See the *Description* section of the Scenario: On-Time Receipt Statistics.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.

4.2.3 Scenario: Purchase Analysis by Document

Description

The PurchaseAnalysisByDocumentFact view and PurchaseAnalysisByDocumentQuery view cover data from orders to invoices. They join dimensional information such as business partners, buyers, and installments, as well as aggregate numeric values, for instance, purchasing amounts. This scenario focuses on purchase analysis from a document perspective; the information is retrieved from document headers.

Use Case

Use the views in this scenario to conduct reports for the following purposes:
- Vendor-oriented analyses:

  Analyze the purchasing volume for each vendor or vendor group.
- Buyer-oriented analyses:

  Analyze the purchasing volume per buyer.

Analyze which of your buyers obtain the best deals.

- Installment-oriented analyses for invoice type documents:
Analyze the paid amount per installment.

Business Rules

Canceled purchase orders are not considered.

Data Coverage

The PurchaseAnalysisByDocumentFact view retrieves data from the following views:

Name	Description
ap.doc.PurchaseOrderHeaderFact View	A view that collects the information from the header of the *Purchase Order* window in SAP Business One.
ap.doc.GoodsReceiptPOHeaderFact View	A view that collects the information from the header of the *Goods Receipt PO* window in SAP Business One.
ap.doc.GoodsReturnHeaderFact View	A view that collects the information from the header of the *Goods Return* window in SAP Business One.
ap.doc.APInvoiceHeaderFact View	A view that collects the information from the header of the *A/P Invoice* window in SAP Business One.
ap.doc.APReserveInvoiceHeaderFact View	A view that collects the information from the header of the *A/P Reserve Invoice* window in SAP Business One.
ap.doc.APCreditMemoHeaderFact View	A view that collects the information from the header of the *A/P Credit Memo* window in SAP Business One.
ap.doc.APCorrectionInvoiceAndReversalHeaderFact View	A view that collects the information from the header of the *A/P Correction Invoice* and *A/P Correction Invoice Reversal* windows in SAP Business One.
PDN6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *Goods Receipt PO* window in SAP Business One.
POR6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *Purchase Order* window in SAP Business One.
RPD6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *Goods Return* window in SAP Business One.
PCH6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *A/P Invoice* window in SAP Business One.

Name	Description
CPI6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *A/P Correction Invoice* window in SAP Business One.
CPV6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *A/P Correction Invoice Reversal* window in SAP Business One.

The PurchaseAnalysisQuery view retrieves data from the following views:

Name	Description
ap.case.PurchaseAnalysisByDocumentFact View	See the *Description* section of the Scenario: Purchase Analysis by Document.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.FinancialPeriod View	See the *Description* section of the FinancialPeriod View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.
adm.ProjectCode View	See the *Description* section of the ProjectCode View.

4.2.4 Scenario: Purchase Analysis

Description

The PurchaseAnalysisFact view and PurchaseAnalysisQuery view cover data from orders to invoices. They join dimensional information such as item, business partners, and buyers, as well as aggregate numeric values, for instance, purchasing amounts and quantities. This scenario focuses on purchase analysis from document detail perspective; the information is retrieved from both document headers and document lines.

Use Case

Use the views in this scenario to conduct reports for the following purposes:

- Vendor-oriented analyses:

  Analyze the purchasing volume for each vendor or vendor group

  Analyze which vendors provide the lowest prices for their products

- Item-oriented analyses:

    Analyze the purchasing volume per item or item group

    Analyze which products you purchase most frequently
- Buyer-oriented analyses:

    Analyze the purchasing volume per buyer

    Analyze which of your buyers obtain the best deals

Business Rules

Data is not considered for those document lines that:

- Are on *Canceled* purchase orders
- Have a zero or negative *Quantity*
- Have the *Tax Only* checkbox selected

Data Coverage

The PurchaseAnalysisFact view retrieves data from the following views:

Name	Description
ap.doc.PurchaseOrderHeaderFact View	A view that collects the information from the header of the *A/P Reserve Invoice* window in SAP Business One.
ap.doc.PurchaseOrderDetailFact View	A view that collects the information from the *Contents* tab in the *A/P Reserve Invoice* window in SAP Business One.
ap.doc.GoodsReceiptPOHeaderFact View	A view that collects the information from the header of the *Goods Receipt PO* window in SAP Business One.
ap.doc.GoodsReceiptPODetailFact View	A view that collects the information from the *Contents* tab in the *Goods Receipt PO* window in SAP Business One.
ap.doc.GoodsReturnHeaderFact View	A view that collects the information from the header of the *Goods Return* window in SAP Business One.
ap.doc.GoodsReturnDetailFact View	A view that collects the information from the *Contents* tab in the *Goods Return* window in SAP Business One.
ap.doc.APInvoiceHeaderFact View	A view that collects the information from the header of the *A/P Invoice* window in SAP Business One.
ap.doc.APInvoiceDetailFact View	A view that collects the information from the *Contents* tab in the *A/P Invoice* window in SAP Business One.
ap.doc.APReserveInvoiceHeaderFact View	A view that collects the information from the header of the *A/P Reserve Invoice* window in SAP Business One.
ap.doc.APReserveInvoiceDetailFact View	A view that collects the information from the *Contents*

Name	Description
	tab in the *A/P Reserve Invoice* window in SAP Business One.
ap.doc.APCreditMemoHeaderFact View	A view that collects the information from the header of the *A/P Credit Memo* window in SAP Business One.
ap.doc.APCreditMemoDetailFact View	A view that collects the information from the ta *Contents* tab ble in the *A/P Credit Memo* window in SAP Business One.
ap.doc.APCorrectionInvoiceAndReversalHeaderFact View	A view that collects the information from the header of the *A/P Correction Invoice* and *A/P Correction Invoice Reversal* windows in SAP Business One.
ap.doc.APCorrectionInvoiceAndReversalDetailFact View	A view that collects the information from the *Contents* tab in the *A/P Correction Invoice* and *A/P Correction Invoice Reversal* windows in SAP Business One.

The PurchaseAnalysisQuery view retrieves data from the following views:

Name	Description
ap.case.PurchaseAnalysisFact View	See the *Description* section of the Scenario: Purchase Analysis.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.FinancialPeriod View	See the *Description* section of the FinancialPeriod View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.
adm.Item View	See the *Description* section of the Item View.
adm.Warehouse View	See the *Description* section of the Warehouse View.
adm.ProjectCode View	See the *Description* section of the ProjectCode View.

4.2.5   Scenario: Purchase Order Fulfillment Cycle Time

Description

The PurchaseOrderFulfillmentCycleTimeFact view and PurchaseOrderFulfillmentCycleTimeQuery view focus on data related to purchasing orders and goods receipt POs. Dimensional information such as items, business partners, warehouses, project codes, and financial periods are joined to the views as well.

Use Case

Use views in this scenario to calculate how long it takes to receive the goods from the time the order is placed.

Business Rules

- "Purchase Order Fulfillment Days" is calculated by comparing the posting date of the goods receipt PO and that of the source purchase order.
- Purchase orders of *Service* type are not considered.
- Purchase orders of *Item* type are considered only when they meet either of the following conditions:
  - The document status is *Open*, and there are related target goods receipt POs;
  - The document status is *Closed*, and the documents were fully or partially copied to goods receipt POs
- If a purchase order was copied to more than one goods receipt PO, only the goods receipt PO that is with the latest posting date is considered in the calculation of "Average Purchase Order Fulfillment Days".
- All dimensional information is retrieved from purchase orders.

Data Coverage

The PurchaseOrderFulfillmentCycleTimeFact view retrieves data from the following tables and views:

Name	Description
OPDN	A table that maps to the *Goods Receipt PO* window in SAP Business One, and contains information in the *Goods Receipt PO* header.
PDN1	A table that maps to the *Goods Receipt PO* window in SAP Business One, and contains information on the *Contents* tab.
ap.doc.PurchaseOrderHeaderFact View	A view that collects the information from the header of the *Purchase Order* window in SAP Business One.

The PurchaseOrderFulfillmentCycleTimeQuery view retrieves data from the following views:

Name	Description
ap.case. PurchaseOrderFulfillmentCycleTimeFact View	See the *Description* section of the Scenario: Purchase Order Fulfillment Cycle Time.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.

4.2.6   Scenario: Purchase Order Received On Time

Description

The PurchaseOrderReceivedOnTimeFact view and PurchaseOrderReceivedOnTimeQuery view focus on data related to purchasing orders and goods receipt POs. They join dimensional information such as item, business partners, and buyers, as well as aggregate numeric values, for instance, purchasing amounts and number of orders.

Use Case

Goods are considered received on time if the line actual delivery date of the goods receipt PO is earlier than or equal to the line delivery date of its source purchase order. Use the views to calculate the percentage of purchase orders that are received on time.

We provide two manners to calculate the on-time rate: by the purchase amounts or by the numbers of the orders that are received on time.

Business Rules

- Purchase orders of *Service* type are not considered.
- Purchase orders of *Item* type are considered only when the document status is *Closed*, and they were fully or partially copied to goods receipt POs.

Data Coverage

The PurchaseOrderReceivedOnTimeFact view retrieves data from the following tables and views:

Name	Description
OPDN	A table that maps to the *Goods Receipt PO* window in SAP Business One, and contains information in the *Goods Receipt PO* header.
PDN1	A table that maps to the *Goods Receipt PO* window in SAP Business One, and contains information on the *Contents* tab.
ap.doc.PurchaseOrderHeaderFact View	A view that collects the information from the header of the *Purchase Order* window in SAP Business One.
ap.doc.PurchaseOrderDetailFact View	A view that collects the information from the *Contents* tab in the *Purchase Order* window in SAP Business One.

The PurchaseOrderReceivedOnTimeQuery view retrieves data from the following views:

Name	Description
ap.case. PurchaseOrderReceivedOnTimeFact	See the *Description* section of the Scenario: Purchase Order Received On Time.

Name	Description
View	
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.

4.2.7   Scenario: Purchase Return Statistics

Description

The PurchaseReturnStatisticsFact view and PurchaseReturnStatisticsQuery view focus on data related to goods receipt POs and goods returns. They join dimensional information such as item, business partners, and buyers, as well as aggregate numeric values, for instance, received amounts, received quantities, returned amounts, and returned quantities.

Use Case

Use views in this scenario to calculate the goods return rates. They help you to identify items with quality issues, vendors with poor supplies, and the buyers with high return records.

The return rate can be calculated according to the period of both the goods receipt POs and the goods returns.

Business Rules

Data is not considered for those document lines that:

- Are in *Canceled* documents or *Cancellation* documents
- Have a negative *Quantity*

Data Coverage

The PurchaseReturnStatisticsFact view retrieves data from the following tables and views:

Name	Description
ORPD	A table that maps to the *Goods Return* window in SAP Business One, and contains information in the *Goods Return* header.

Name	Description
OPDN	A table that maps to the *Goods Receipt PO* window in SAP Business One, and contains information in the *Goods Receipt PO* header.
ap.doc.GoodsReturnDetailFact View	A view that collects the information from the *Contents* tab in the *Goods Return* window in SAP Business One.
ap.doc.GoodsReceiptPODetailFact View	A view that collects the information from *Contents* tab *Goods Receipt PO* window in SAP Business One.

The PurchaseReturnStatisticsQuery view retrieves data from the following views:

Name	Description
ap.case. PurchaseReturnStatisticsFact View	See the *Description* section of the Scenario: Purchase Return Statistics.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.
adm.Item View	See the *Description* section of the Item View.

4.2.8   Scenario: Vendor Balance Analysis

Description

The VendorBalanceAnalysisFact view and VendorBalanceAnalysisQuery view focus on the purchasing cycle, from orders to invoices. They aim at monitoring the vendors' open balances at each stage in the purchasing cycle.

Use Case

Use views in this scenario to calculate the vendors' key balances at different purchasing stages, to appraise the degrees of satisfaction with which vendors provide your company.

You can track following balances of vendors:

- Open Purchase Order Balance: the number of open purchase orders that are not yet fully received, canceled or closed.
- Open GRPO Balance: the number of open goods receipt POs that are not yet fully copied into A/P invoices, goods returns, or closed.
- Account Payable Balance: the amount of money that is not yet paid to the vendors.

Data Coverage

The VendorBalanceAnalysisFact view retrieves data from the following tables:

Name	Description
OCRD	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains the information in the *Business Partner Master Data* header.
CRD1	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains the information on the *Addresses* tab.
OCRY	A table that maps to the *Countries - Setup* window in SAP Business One.
OCTG	A table that maps to the *Payment Terms - Setup* window in SAP Business One.

The VendorBalanceAnalysisQuery view retrieves data from the following views:

Name	Description
ap.case.VendorBalanceAnalysisFact View	See the *Description* section of the Scenario: Vendor Balance Analysis.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Currency View	See the *Description* section of the Currency View.
adm.Territory View	See the *Description* section of the Territory View.

4.2.9 Scenario: Vendor Payment Aging

Description

The VendorPaymentAgingFact view and VendorPaymentAgingQuery view focus on the journal entries, internal reconciliations, and payments related to vendors.

Use Case

Use the VendorPaymentAgingFact view and VendorPaymentAgingQuery view to generate payment aging reports, presenting which vendors are being paid on time, and which are not, as well as how far their invoices are behind the payment date.

The payment aging reports help your company to plan the use of available cash more efficiently by revealing which invoices stay overdue for the longest time.

Data Coverage

The VendorPaymentAgingFact view retrieves data from the following views:

Name	Description
fin.JournalEntryItem View	See the *Description* section of the JournalEntryItem View.
adm.InternalReconciliation View	See the *Description* section of the InternalReconciliation View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.MarketingDocument View	See the *Description* section of the MarketingDocument View.

The VendorPaymentAgingQuery view retrieves data from the following views:

Name	Description
ap.case.VendorPaymentAgingFact View	See the *Description* section of the Scenario: Vendor Payment Aging.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.GLAccount View	See the *Description* section of the GLAccount View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.ProjectCode	See the *Description* section of the ProjectCode View.

4.3   Views in Single-Document Transactions Folder

Views in this folder are prepared according to specific purchasing documents. We considered seven types of documents in the *Purchasing - A/P* module. For each document type, we provide views that collect data for both the document header and the document table.

You can use views in this folder to create reports and conduct analysis of transactions for particular document types. You can also use these views as foundations to build up your own views to support the company-tailored analyses.

4.3.1 Document: A/P Correction Invoice and A/P Correction Invoice Reversal

Data Coverage

The APCorrectionInvoiceAndReversalDetailFact view retrieves data from the following tables and views:

Name	Description
OCPI	A table that maps to the *A/P Correction Invoice* window in SAP Business One, and contains the information in the *A/P Correction Invoice* header.
CPI1	A table that maps to the *A/P Correction Invoice* window in SAP Business One, and contains information on the *Contents* tab.
OCPV	A table that maps to the *A/P Correction Invoice Reversal* window in SAP Business One, and contains information in the *A/P Correction Invoice Reversal* header.
CPV1	A table that maps to the *A/P Correction Invoice Reversal* window in SAP Business One, and contains information on the *Contents* tab.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
OADM	A table that maps to the *Company Details* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The APCorrectionInvoiceAndReversalDetailQuery view retrieves data from the following views:

Name	Description
ap.doc.APCorrectionInvoiceAndReversalDetailFact View	A view that collects the information from the *Contents* tab in the *A/P Correction Invoice* and *A/P Correction Invoice Reversal* windows in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner	See the *Description* section of the BusinessPartner View.
adm.Item	See the *Description* section of the Item View.
adm.Warehouse	See the *Description* section of the Warehouse View.

Name	Description
adm.ProjectCode	See the *Description* section of the ProjectCode View.

The APCorrectionInvoiceAndReversalHeaderFact view retrieves data from the following tables and views:

Name	Description
OCPI	A table that maps to the *A/P Correction Invoice* window in SAP Business One, and contains the information in the *A/P Correction Invoice* header.
CPI12	A table that maps to the *A/P Correction Invoice* window in SAP Business One, and contains information on the *Logistics* tab.
OCPV	A table that maps to the *A/P Correction Invoice Reversal* window in SAP Business One, and contains information in the *A/P Correction Invoice Reversal* header.
CPV12	A table that maps to the *A/P Correction Invoice Reversal* window in SAP Business One, and contains information on the *Logistics* tab.
OCPR	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains information on the *Contact Persons* tab.
OCTG	A table that maps to the *Payment Terms - Setup* window in SAP Business One.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
OCRY	A table that maps to the *Countries - Setup* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The APCorrectionInvoiceAndReversalHeaderQuery view retrieves data from the following views:

Name	Description
ap.doc.APCorrectionInvoiceAndReversalHeaderFact View	A view that collects the information from the header of the *A/P Correction Invoice* and *A/P Correction Invoice Reversal* windows in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner	See the *Description* section of the BusinessPartner View.

Name	Description
adm.Branch View	See the *Description* section of the Branch View.

4.3.2 Document: A/P Credit Memo

Data Coverage

The APCreditMemoDetailFact view retrieves data from the following tables and views:

Name	Description
ORPC	A table that maps to the *A/P Credit Memo* window in SAP Business One, and contains the information in the *A/P Credit Memo* header.
RPC1	A table that maps to the *A/P Credit Memo* window in SAP Business One. and contains information on the *Contents* tab.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
OADM	A table that maps to the *Company Details* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The APCreditMemoDetailQuery view retrieves data from the following views:

Name	Description
ap.doc.APCreditMemoDetailFact View	A view that collects the information from the *Contents* tab in the *A/P Credit Memo* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner	See the *Description* section of the BusinessPartner View.
adm.Item	See the *Description* section of the Item View.
adm.Warehouse	See the *Description* section of the Warehouse View.
adm.ProjectCode	See the *Description* section of the ProjectCode View.

The APCreditMemoHeaderFact view retrieves data from the following tables and views:

Name	Description
ORPC	A table that maps to the *A/P Credit Memo* window in SAP Business One, and contains the information on the *A/P Credit Memo* header.
OCPR	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains information on the *Contact Persons* tab.
OCTG	A table that maps to the *Payment Terms - Setup* window in SAP Business One.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
OCRY	A table that maps to the *Countries - Setup* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The APCreditMemoHeaderQuery view retrieves data from the following views:

Name	Description
ap.doc.APCreditMemoHeaderFact View	A view that collects the information from the header of the *A/P Credit Memo* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.

4.3.3 Document: A/P Invoice

Data Coverage

The APInvoiceDetailFact view retrieves data from the following tables and views:

Name	Description
OPCH	A table that maps to the *A/P Invoice* window in SAP Business One, and contains the information in the *A/P Invoice* header.

Name	Description
PCH1	A table that maps to the *A/P Invoice* window in SAP Business One. and contains information on the *Contents* tab.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
OADM	A table that maps to the *Company Details* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The APInvoiceDetailQuery view retrieves data from the following views:

Name	Description
ap.doc.APInvoiceDetailFact View	A view that collects the information from the *Contents* tab in the *A/P Invoice* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Item View	See the *Description* section of the Item View.
adm.Warehouse View	See the *Description* section of the Warehouse View.
adm.ProjectCode View	See the *Description* section of the ProjectCode View.

The APInvoiceHeaderFact view retrieves data from the following tables and views:

Name	Description
OPCH	A table that maps to the *A/P Invoice* window in SAP Business One, and contains the information in the *A/P Invoice* header.
PCH12	A table that maps to the *A/P Invoice* window in SAP Business One, and contains information on the *Logistics* tab.
OCRY	A table that maps to the *Countries - Setup* window in SAP Business One.
OCPR	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains information on the *Contact Persons* tab.
OCTG	A table that maps to the *Payment Terms - Setup* window in SAP Business One.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP

Name	Description
	Business One.
adm.Employee View	See the *Description* section of the Employee View.

The APInvoiceHeaderQuery view retrieves data from the following views:

Name	Description
ap.doc.APInvoiceHeaderFact View	A view that collects the information from the header of the *A/P Invoice* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.

4.3.4 Document: A/P Reserve Invoice

Data Coverage

The APReserveInvoiceDetailFact view retrieves data from the following tables and views:

Name	Description
OPCH	A table that maps to the *A/P Reserve Invoice* window in SAP Business One, and contains the information in the *A/P Reserve Invoice* header.
PCH1	A table that maps to the *A/P Invoice* window in SAP Business One, and contains information on the *Contents* tab.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
OADM	A table that maps to the *Company Details* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The APReserveInvoiceDetailQuery view retrieves data from the following views:

Name	Description
ap.doc.APReserveInvoiceDetailFact View	A view that collects the information from the *Contents* tab in the *A/P Reserve Invoice* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Item View	See the *Description* section of the Item View.
adm.Warehouse View	See the *Description* section of the Warehouse View.
adm.ProjectCode View	See the *Description* section of the ProjectCode View.

The APReserveInvoiceHeaderFact view retrieves data from the following tables and views:

Name	Description
OPCH	A table that maps to the *A/P Reserve Invoice* window in SAP Business One, and contains the information in the *A/P Reserve Invoice* header.
PCH12	A table that maps to the *A/P Reserve Invoice* window in SAP Business One, and contains information on the *Logistics* tab.
OCRY	A table that maps to the *Countries - Setup* window in SAP Business One.
OCPR	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains information on the *Contact Persons* tab.
OCTG	A table that maps to the *Payment Terms - Setup* window in SAP Business One.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The APReserveInvoiceHeaderQuery view retrieves data from the following views:

Name	Description
ap.doc.APReserveInvoiceHeaderFact View	A view that collects the information from the header of the *A/P Reserve Invoice* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.

Name	Description
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.

4.3.5 Document: Goods Receipt PO

Data Coverage

The GoodsReceiptPODetailFact view retrieves data from the following tables and views:

Name	Description
OPDN	A table that maps to the *Goods Receipt PO* window in SAP Business One, and contains information in the *Goods Receipt PO* header.
PDN1	A table that maps to the *Goods Receipt PO* window in SAP Business One, and contains information on the *Contents* tab.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
OADM	A table that maps to the *Company Details* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The GoodsReceiptPODetailQuery view retrieves data from the following views:

Name	Description
ap.doc.GoodsReceiptPODetailFact View	A view that collects the information from the *Contents* tab in the *Goods Receipt PO* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.

Name	Description
adm.Item View	See the *Description* section of the Item View.
adm.Warehouse View	See the *Description* section of the Warehouse View.
adm.ProjectCode View	See the *Description* section of the ProjectCode View.

The GoodsReceiptPOHeaderFact view retrieves data from the following tables and views:

Name	Description
OPDN	A table that maps to the *Goods Receipt PO* window in SAP Business One, and contains information in the *Goods Receipt PO* header.
OCRY	A table that maps to the *Countries - Setup* window in SAP Business One.
OCPR	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains information on the *Contact Persons* tab.
OCTG	A table that maps to the *Payment Terms - Setup* window in SAP Business One.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The GoodsReceiptPOHeaderQuery view retrieves data from the following views:

Name	Description
ap.doc.GoodsReceiptPOHeaderFact View	A view that collects the information from the header of the *Goods Receipt PO* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.

4.3.6 Document: Goods Return

Data Coverage

The GoodsReturnDetailFact view retrieves data from the following tables and views:

Name	Description
ORPD	A table that maps to the *Goods Return* window in SAP Business One, and contains information in the *Goods Return* header.
RPD1	A table that maps to the *Goods Return* window in SAP Business One, and contains information on the *Contents* tab.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
OADM	A table that maps to the *Company Details* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The GoodsReturnDetailQuery view retrieves data from the following views:

Name	Description
ap.doc.GoodsReturnDetailFact View	A view that collects the information from the *Contents* tab in the *Goods Return* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Item View	See the *Description* section of the Item View.
adm.Warehouse View	See the *Description* section of the Warehouse View.
adm.ProjectCode View	See the *Description* section of the ProjectCode View.

The GoodsReturnHeaderFact view retrieves data from the following tables and views:

Name	Description
ORPD	A table that maps to the *Goods Return* window in SAP Business One, and contains information in the *Goods Return* header.
OCRY	A table that maps to the *Countries - Setup* window in SAP Business One.

Name	Description
OCPR	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains information on the *Contact Persons* tab.
OCTG	A table that maps to the *Payment Terms - Setup* window in SAP Business One.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The GoodsReturnHeaderQuery view retrieves data from the following views:

Name	Description
ap.doc.GoodsReturnHeaderFact View	A view that collects the information from the header of the *Goods Return* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.

4.3.7   Document: Purchase Order

Data Coverage

The PurchaseOrderDetailFact view retrieves data from the following tables and views:

Name	Description
OPOR	A table that maps to the *Purchase Order* window in SAP Business One, and contains information in the *Purchase Order* header.
POR1	A table that maps to the *Purchase Order* window in SAP Business One, and contains information on the *Contents* tab.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.

Name	Description
OADM	A table that maps to the *Company Details* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The PurchaseOrderDetailQuery view retrieves data from the following views:

Name	Description
ap.doc. PurchaseOrderDetailFact View	A view that collects the information from the *Contents* tab in the *Purchase Order* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Item View	See the *Description* section of the Item View.
adm.Warehouse View	See the *Description* section of the Warehouse View.
adm.ProjectCode View	See the *Description* section of the ProjectCode View.

The PurchaseOrderHeaderFact view retrieves data from the following tables and views:

Name	Description
OPOR	A table that maps to the *A/P Correction Invoice* window in SAP Business One, and contains the information in the *A/P Correction Invoice* header.
OCPR	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains information on the *Contact Persons* tab.
OCTG	A table that maps to the *Payment Terms - Setup* window in SAP Business One.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
OCRY	A table that maps to the *Countries - Setup* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The PurchaseOrderHeaderQuery view retrieves data from the following views:

Name	Description
ap.doc. PurchaseOrderHeaderFact View	A view that collects the information from the header of the

Name	Description
	Goods Return window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.

5 Sales Module

5.1 Introduction

The Sales module includes calculation views that collect data from the tables used in the Sales - A/R module. Use views in this module to conduct reports and analyses for the sales activities and transactions of your company. The module can also help you to achieve pervasive analytics, from the board room to the shop floor. It provides you with insights into the issues and potential risks in the sales cycle, so that appropriate actions or adjustments can be taken to improve business efficiency.

Views in this module are categorized into two folders: **Multi-Document Scenarios** and **Single-Document Transactions**.

5.2 Views in Multi-Document Scenarios Folder

Views in this folder are prepared according to specific business scenarios. We considered several typical scenarios in the purchasing cycle; calculations views are provided for each scenario.

> ℹ️ Note
>
> Any view whose name ends with the word "Query" is a query view; otherwise, it is a reuse view.

5.2.1 Scenario: Average Selling Price

Description

The AverageSellingPriceFact view and AverageSellingPriceQuery view focus on data related to sales orders, A/R invoices, and A/R reserve invoices. They join dimensional information such as item, business partners, and posting dates, as well as aggregate numeric values, for instance, sales amounts, quantities, unit prices, and gross profit.

Use Case

The AverageSellingPriceFact view and AverageSellingPriceQuery view aim at analyzing the prices of the items you sell. With this view, you can analyze your selling prices from different perspectives, and find out how different factors impact the prices, such as customers, sale employees, seasons, and branches.

Business Rules

- Item is a mandatory dimension for using views in this scenario.
- Data is not considered for those document lines that:
  - Are in *Service* type documents
  - Are in *Canceled* documents or *Cancellation* documents
  - Have a zero or negative *Quantity*
  - Have the *Tax Only* checkbox selected

Data Coverage

The AverageSellingPriceFact view retrieves data from the following views:

Name	Description
ar.doc.SalesOrderDetailFact View	A view that collects the information from the *Contents* tab in the *Sales Order* window in SAP Business One.
ar.doc.SalesOrderHeaderFact View	A view that collects the information from the header of the *Sales Order* window in SAP Business One.
ar.doc.ARInvoiceDetailFact View	A view that collects the information from the *Contents* tab in the *A/R Invoice* window in SAP Business One.
ar.doc.ARInvoiceHeaderFact View	A view that collects the information from the header of the *A/R Invoice* window in SAP Business One.
ar.doc.ARReserveInvoiceDetailFact View	A view that collects the information from the *Contents* tab in the *A/R Reserve Invoice* window in SAP Business One.
ar.doc.ARReserveInvoiceHeaderFact View	A view that collects the information from the header of the *A/R Reserve Invoice* window in SAP Business One.

The AverageSellingPriceQuery view retrieves data from the following views:

Name	Description
ar.case.AverageSellingPriceFact View	See the *Description* section of the Scenario: Average Selling Price.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.Item View	See the *Description* section of the Item View.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.

Name	Description
adm.Warehouse View	See the *Description* section of the Warehouse View.

5.2.2 Scenario: Backorder Status

Description

The BackOrderStatusFact view and BackOrderStatusQuery view focus on data related to sales orders and A/R reserve invoices. They join dimensional information such as item, business partners, and posting dates, as well as aggregate numeric values, for instance, ordered quantities and open quantities.

Use Case

Sometimes, after you receive sales orders from customers, you find that you do not have enough inventories to fill these orders. You have to replenish the inventories before you can make deliveries to these customers. If situations like this happen often, you run the risk of raising customer dissatisfaction by keeping them waiting for their products.

User the BackOrderStatusFact view and BackOrderStatusQuery view to create backorder statistics reports, as well as monitor and track inventory shortages. You can analyze which items have a high shortage rate, how long it takes to replenish shortages, and what the backorder rate is.

Business Rules

Data is not considered only when the document lines:

- Are in *Item* type documents
- Have a positive *Quantity*

Data Coverage

The BackOrderStatusFact view retrieves data from the following views:

Name	Description
ar.doc.SalesOrderDetailFact View	A view that collects the information from the *Contents* tab in the *Sales Order* window in SAP Business One.
ar.doc.SalesOrderHeaderFact View	A view that collects the information from the header of the *Sales Order* window in SAP Business One.
ar.doc.ARReserveInvoiceDetailFact View	A view that collects the information from the *Contents* tab in the *A/R Reserve Invoice* window in SAP Business One.
ar.doc.ARReserveInvoiceHeaderFact	A view that collects the information from the header of the *A/R*

Name	Description
View	*Reserve Invoice* window in SAP Business One.

The BackOrderStatusQuery view retrieves data from the following views and tables:

Name	Description
ar.case.AverageSellingPriceFact View	See the *Description* section of the Scenario: Average Selling Price.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.Item View	See the *Description* section of the Item View.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.
adm.Warehouse View	See the *Description* section of the Warehouse View.

5.2.3   Scenario: Customer Open Balance VS Credit Limit

Description

The CustomerOpenBalanceVSCreditLimitFact view and CustomerOpenBalanceVSCreditLimitQuery view focus on tracking whether the total of a customer's unpaid orders exceeds the credit limit you granted.

Use Case

Use views in this scenario to calculate the customer's key open balances at different sales stages, and compare the balances to their credit limits to determine whether transactions with particular customers are maintained within the low risk of irrecoverable receivables level.

You can track following balances of customers:

- Open Sales Order Balance: the number of open sales orders that are not yet fully delivered, canceled or closed.
- Open Delivery Balance: the number of open deliveries that are not yet fully copied into A/P invoices, goods returns, or closed.
- Account Payable Balance: the amount of money that is still owed to you.

Data Coverage

The CustomerOpenBalanceVSCreditLimitFact view retrieves data from the following tables:

Name	Description
OCRD	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains the information in the *Business Partner Master Data* header.
CRD1	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains the information on the *Addresses* tab.
OCRY	A table that maps to the *Countries - Setup* window in SAP Business One.
OCTG	A table that maps to the *Payment Terms - Setup* window in SAP Business One.
ORTT	A table that maps to the *Exchange Rates and Indexes* window in SAP Business One.

The CustomerOpenBalanceVSCreditLimitQuery view retrieves data from the following views:

Name	Description
ar.case. CustomerOpenBalanceVSCreditLimitFact View	See the *Description* section of the Scenario: Customer Open Balance VS Credit Limit.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Currency View	See the *Description* section of the Currency View.
adm.Territory View	See the *Description* section of the Territory View.

5.2.4   Scenario: Customer Receivable Aging

Description

The CustomerReceivableAgingFact view and CustomerReceivableAgingQuery view focus on the journal entries, internal reconciliations and payments related to customers.

Use Case

Use the CustomerReceivableAgingFact view and CustomerReceivableAgingQuery view to generate receivable aging reports, present which customers are paying on time and which are not, and present how far behind the payment date your invoices are.

The receivable aging report helps your company to examine the financial health of the customers with whom you are dealing. It also evaluates the effectiveness of the credit management and collection function of your company, and keeps relevant staff alert to the overdue balances.

Data Coverage

The CustomerReceivableAgingFact view retrieves data from the following views:

Name	Description
fin.JournalEntryItem View	See the *Description* section of the JournalEntryItem View.
adm.InternalReconciliation View	See the *Description* section of the InternalReconciliation View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.MarketingDocument View	See the *Description* section of the MarketingDocument View.

The CustomerReceivableAgingQuery view retrieves data from the following views:

Name	Description
ar.case.CustomerReceivableAgingFact View	See the *Description* section of the Scenario: Vendor Payment Aging.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.GLAccount View	See the *Description* section of the GLAccount View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.ProjectCode View	See the *Description* section of the ProjectCode View.

5.2.5 Scenario: On-Time Delivery Statistics

Description

The OnTimeDeliveryStatisticsFact view and OnTimeDeliveryStatisticsQuery view focus on data related to sales orders and deliveries. The views are used to calculate the delivery variance days for a customer's ordered goods.

Use Case

On-time delivery is considered an important KPI to measure customer satisfactions. You do not want your customers to complain about constant late deliveries from you. It not only jeopardizes the relationship with customers, but also can influence your business reputation in the long run.

Use views in this scenario to calculate the delivery variance days in general, or analyze them by business partners and sales employees.

Business Rules

- Calculation logic for "Average Delivery Variance Days":
  - It calculates the number of days between the posting date of the delivery and the due date of its source sales order.
  - Receipt delay and receipt in advance days are both displayed as positive values.
- Sales orders of *Service* type are not considered.
- Sales orders of *Item* type are considered only when they meet either of the following conditions:
  - The document status is *Open*, and there are related target deliveries.
  - The document status is *Closed*, and the documents were fully or partially copied to deliveries.
- If a sales order was copied to more than one delivery, only the delivery that is with the latest posting date is considered in the calculation of "Average Delivery Variance Days".
- All dimensional information is retrieved from sales orders.
- The posting date of the delivery and the due date of the source sales order are compared to determine whether goods are delivered on time:
  - For the measure "AdvanceDays", positive values indicate delivery in advance; value "0" indicates delivery on time or delay.
  - For the measure "DelayedDays", positive values indicate delivery delay; value "0" indicates delivery on time or in advance.

Data Coverage

The OnTimeDeliveryStatisticsFact view retrieves data from the following tables and views:

Name	Description
ODLN	A table that maps to the *Delivery* window in SAP Business One, and contains information in the *Delivery* header.
DLN1	A table that maps to the *Delivery* window in SAP Business One, and contains information on the *Contents* tab.
ar.doc.SalesOrderHeaderFact View	A view that collects the information from the header of the *Sales Order* window in SAP Business One.

The OnTimeDeliveryStatisticsQuery view retrieves data from the following views:

Name	Description
ar.case.OnTimeDeliveryStatisticsFact View	See the *Description* section of the Scenario: On-Time Delivery Statistics.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.

5.2.6 Scenario: Sales Analysis by Document

Description

The SalesAnalysisByDocumentFact view and SalesAnalysisByDocumentQuery view cover data from orders to invoices. They join dimensional information such as business partners, buyers, and installments, as well as aggregate numeric values, for instance, sales amounts. This scenario focuses on sales analysis from a document perspective; the information is retrieved from document headers.

Use Case

Use the views in this scenario to conduct reports for the following purposes:
- Customer-oriented analyses:

  Analyze the sales volume for each customer or customer group.
- Sales employee-oriented analyses:

  Analyze the sales volume per sales employee.

  Analyze which of your sales employees attain the best sales deals.
- Installment-oriented analyses for invoice type documents:

  Analyze the paid amount per installment.

Business Rules

Canceled sales orders are not considered.

Data Coverage

The SalesAnalysisByDocumentFact view retrieves data from the following tables and views:

Name	Description
OCRD	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains the information in the *Business Partner Master Data* header.
DLN6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *Delivery* window in SAP Business One.
RDR6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *Sales Order* window in SAP Business One.
RDN6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *Return* window in SAP Business One.
INV6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *A/R Invoice* window in SAP Business One.
RIN6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *A/R Credit Memo* window in SAP Business One.
CSI6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *A/R Correction Invoice* window in SAP Business One.
CSV6	A table that maps to the *Installments* window opened from the *Accounting* tab in the *A/R Correction Invoice Reversal* window in SAP Business One.
ar.doc.SalesOrderHeaderFact View	A view that collects the information from the header of the *Sales Order* window in SAP Business One.
ar.doc.DeliveryHeaderFact View	A view that collects the information from the header of the *Delivery* window in SAP Business One.
ar.doc.ARInvoiceHeaderFact View	A view that collects the information from the header of the *A/R Invoice* window in SAP Business One.
ar.doc.ARReserverInvoiceHeaderFact View	A view that collects the information from the header of the *A/R Reserve Invoice* window in SAP Business One.
ar.doc.ARCorrectionInvoiceAndReversalHeaderFact View	A view that collects the information from the header of the *A/R Correction Invoice* and *A/R Correction Invoice Reversal* windows in SAP Business One.
ar.doc.ReturnHeaderFact View	A view that collects the information from the header of

Name	Description
	the *Return* window in SAP Business One.
ar.doc.ARCreditMemoHeaderFact View	A view that collects the information from the header of the *A/R Credit Memo* window in SAP Business One.

The SalesAnalysisByDocumentQuery view retrieves data from the following views:

Name	Description
ar.case.SalesAnalysisByDocumentFact View	See the *Description* section of the Scenario: Sales Analysis by Document.
adm.PostingDate View	See the *Description* section of the PostingDate View
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.FinancialPeriod View	See the *Description* section of the FinancialPeriod View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.
adm.Territory View	See the *Description* section of the Territory View.
adm.ProjectCode View	See the *Description* section of the ProjectCode View.

5.2.7   Scenario: Sales Analysis

Description

The SalesAnalysisFact view and SalesAnalysisQuery view cover data from orders to invoices. They join dimensional information such as item, business partners, and buyers; as well as aggregate numeric values, for instance, sales amounts, quantities, and gross profits.

Use Case

Use the views in this scenario to conduct reports for the following purposes:

- Customer-oriented analyses:

  Analyze the sales volume for each customer or customer group

  Analyze which customers paid the highest prices for your products

- Item-oriented analyses:

  Analyze the sales volume per item or item group

Analyze which of your products are the best sellers

- Sales employee-oriented analyses:

Analyze the sales volume per sales employee

Analyze which of your sales employees attain the best sales deals

- Profit-oriented analyses:

Analyze which customers are the most profitable

Analyze which items are the most profitable products

Analyze who are the sales employees with the best performance

Business Rules

Data is not considered for those document lines that:

- Are in *Canceled* sales orders
- Have a zero or negative *Quantity*
- Have the *Tax Only* checkbox selected

Data Coverage

The SalesAnalysisFact view retrieves data from the following tables and views:

Name	Description
OCRD	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains the information in the *Business Partner Master Data* header.
ar.doc.SalesOrderDetailFact View	A view that collects the information from the *Contents* tab in the *Sales Order* window in SAP Business One.
ar.doc.SalesOrderHeaderFact View	A view that collects the information from the header of the *Sales Order* window in SAP Business One.
ar.doc.DeliveryDetailFact View	A view that collects the information from the *Contents* tab in the *Delivery* window in SAP Business One.
ar.doc.DeliveryHeaderFact View	A view that collects the information from the header of the *Delivery* window in SAP Business One.
ar.doc.ARInvoiceDetailFact View	A view that collects the information from the *Contents* tab in the *A/R Invoice* window in SAP Business One.
ar.doc.ARInvoiceHeaderFact View	A view that collects the information from the header of the *A/R Invoice* window in SAP Business One.
ar.doc.ARReserveInvoiceDetailFact View	A view that collects the information from the *Contents* tab in the *A/R Reserve Invoice* window in SAP Business One.

Name	Description
ar.doc.ARReserverInvoiceHeaderFact View	A view that collects the information from the header of the *A/R Reserve Invoice* window in SAP Business One.
ar.doc.ARCorrectionInvoiceAndReversalDetailFact View	A view that collects the information from the *Contents* tab in the *A/R Correction Invoice* and *A/R Correction Invoice Reversal* windows in SAP Business One.
ar.doc.ARCorrectionInvoiceAndReversalHeaderFact View	A view that collects the information from the header of the *A/R Correction Invoice* and *A/R Correction Invoice Reversal* windows in SAP Business One.
ar.doc.ReturnDetailFact View	A view that collects the information from the *Contents* tab in the *Return* window in SAP Business One.
ar.doc.ReturnHeaderFact View	A view that collects the information from the header of the *Return* window in SAP Business One.
ar.doc.ARCreditMemoDetailFact View	A view that collects the information from the *Contents* tab in the *A/R Credit Memo* window in SAP Business One.
ar.doc.ARCreditMemoHeaderFact View	A view that collects the information from the header of the *A/R Credit Memo* window in SAP Business One.

The SalesAnalysisQuery view retrieves data from the following views:

Name	Description
ar.case.SalesAnalysisFact View	See the *Description* section of the Scenario: Sales Analysis.
adm.PostingDate View	See the *Description* section of the PostingDate View
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.FinancialPeriod View	See the *Description* section of the FinancialPeriod View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.
adm.Territory View	See the *Description* section of the Territory View.
adm.Item View	See the *Description* section of the Item View.
adm.Warehouse View	See the *Description* section of the Warehouse View.

5.2.8 Scenario: Sales Order Delivered On Time

Description

The SalesOrderDeliveredOnTimeFact view and SalesOrderDeliveredOnTimeQuery view focus on data related to sales orders and deliveries. They join dimensional information such as item, business partners, and sales employees, as well as aggregate numeric values, for instance, sales amounts and number of orders.

Use Case

Goods are considered delivered on time if the line actual delivery date of the delivery is earlier than or equal to the line delivery date of its source sales order. Use the views to calculate the percentage of sales orders that are delivered on time.

We provide two means of calculating the on-time rate: by the sales amounts or by the numbers of the orders that are delivered on time.

Business Rules

- Sales orders of *Service* type are not considered.
- Sales orders of *Item* type are considered only when the document status is *Closed*, and the documents were fully or partially copied to deliveries.

Data Coverage

The SalesOrderDeliveredOnTimeFact view retrieves data from the following tables and views:

Name	Description
ODLN	A table that maps to the *Delivery* window in SAP Business One, and contains the information in the *Delivery* header.
DLN1	A table that maps to the *Delivery* window in SAP Business One, and contains information on the *Contents* tab.
ar.doc.PurchaseOrderHeaderFact View	A view that collects the information from the header of the *Purchase Order* window in SAP Business One.
ap.doc.PurchaseOrderDetailFact View	A view that collects the information from the *Contents* tab in the *Purchase Order* window in SAP Business One.

The SalesOrderDeliveredOnTimeQuery view retrieves data from the following views:

Name	Description
ap.case. SalesOrderDeliveredOnTimeFact View	See the *Description* section of the Scenario: Sales Order Delivered On Time.

Name	Description
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.

5.2.9 Scenario: Sales Order Fulfillment Cycle Time

Description

The SalesOrderFulfillmentCycleTimeFact view and SalesOrderFulfillmentCycleTimeQuery view focus on data related to sales orders and deliveries. Dimensional information such as items, business partners, warehouses, project codes, and financial periods are joined to the views as well.

Use Case

Use views in this scenario to calculate how long it takes to deliver the goods to the customers from the time they placed the orders.

Business Rules

- "Sales Order Fulfillment Days" is calculated by comparing the posting date of the delivery and it of the source sales order.
- Sales orders of *Service* type are not considered.
- Sales orders of *Item* type are considered only when they meet either of the following conditions:
  - The document status is *Open*, and there are related target deliveries.
  - The document status is *Closed*, and the documents were fully or partially copied to deliveries.
- If a sales order was copied to more than one delivery, only the delivery with the latest posting date is considered in the calculation of "Average Order Fulfillment Days ".
- All dimensional information is retrieved from sales orders.

Data Coverage

The SalesOrderFulfillmentCycleTimeFact view retrieves data from the following tables and views:

Name	Description
ODLN	A table that maps to the *Delivery* window in SAP Business One, and contains the information in the *Delivery* header.
DLN1	A table that maps to the *Delivery* window in SAP Business One, and contains information on the *Contents* tab.
ap.doc.SalesOrderHeaderFact View	A view that collects the information from the header of the *Sales Order* window in SAP Business One.

The SalesOrderFulfillmentCycleTimeQuery view retrieves data from the following views:

Name	Description
ar.case.SalesOrderFulfillmentCycleTimeFact View	See the *Description* section of the Scenario: Sales Order Fulfillment Cycle Time.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.

5.2.10   Scenario: Sales Return Statistics

Description

The SalesReturnStatisticsFact view and SalesReturnStatisticsQuery view focus on data related to deliveries and returns. They join dimensional information such as item, business partners, and buyers, as well as aggregate numeric values, for instance, delivered amounts, delivered quantities, returned amounts, and returned quantities.

Use Case

Use views in this scenario to calculate the customer's goods return rates. It helps you to identify your products with quality issues, the customers with a high return rate, and the sales employees with high return records.

The return rate can be calculated according to the period of both the deliveries and the returns.

Business Rules

Data is not considered for those document lines that:

- Are in *Canceled* documents or *Cancellation* documents
- Have a negative *Quantity*

Data Coverage

The SalesReturnStatisticsFact view retrieves data from the following tables and views:

Name	Description
ORDN	A table that maps to the *Return* window in SAP Business One, and contains the information in the *Return* header.
ODLN	A table that maps to the *Delivery* window in SAP Business One, and contains the information in the *Delivery* header.
ar.doc.ReturnDetailFact View	A view that collects the information from the *Contents* tab in the *Return* window in SAP Business One.
ar.doc.DeliveryDetailFact View	A view that collects the information from the *Contents* tab in the *Delivery* window in SAP Business One.

The SalesReturnStatisticsQuery view retrieves data from the following views:

Name	Description
ar.case.SalesReturnStatisticsFac View	See the *Description* section of the Scenario: Sales Return Statistics.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.
adm.Item View	See the *Description* section of the Item View.

5.3 Views in Single-Document Transactions Folder

Views in this folder are prepared according to specific sales documents. We considered seven types of documents in the *Sales - A/R* module. For each document type, we provide views that collect data for both the document header and document table.

You can use views in this folder to create reports and conduct analysis of transactions for particular document types. You can also use these views as foundations to build up your own views to support the company-tailored analyses.

5.3.1 Document: A/R Correction Invoice and A/R Correction Invoice Reversal

Data Coverage

The ARCorrectionInvoiceAndReversalDetailFact view retrieves data from the following tables and views:

Name	Description
OCSI	A table that maps to the *A/R Correction Invoice* window in SAP Business One, and contains the information in the *A/R Correction Invoice* header.
CSI1	A table that maps to the *A/R Correction Invoice* window in SAP Business One, and contains information on the *Contents* tab.
OCSV	A table that maps to the *A/R Correction Invoice Reversal* window in SAP Business One, and contains information in the *A/R Correction Invoice Reversal* header.
CSV1	A table that maps to the *A/R Correction Invoice Reversal* window in SAP Business One, and contains information on the *Contents* tab.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
OADM	A table that maps to the *Company Details* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The ARCorrectionInvoiceAndReversalDetailQuery view retrieves data from the following views:

Name	Description
ar.doc.ARCorrectionInvoiceAndReversalDetailFact View	A view that collects the information from the *Contents* tab in the *A/R Correction Invoice* and *A/R Correction Invoice Reversal* windows in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Item View	See the *Description* section of the Item View.
adm.Warehouse View	See the *Description* section of the Warehouse View.

Name	Description
adm.ProjectCode View	See the *Description* section of the ProjectCode View.

The ARCorrectionInvoiceAndReversalHeaderFact view retrieves data from the following tables and views:

Name	Description
OCSI	A table that maps to the *A/R Correction Invoice* window in SAP Business One, and contains the information in the *A/R Correction Invoice* header.
CSI12	A table that maps to the *A/R Correction Invoice* window in SAP Business One, and contains information on the *Logistics* tab.
OCSV	A table that maps to the *A/R Correction Invoice Reversal* window in SAP Business One, and contains information in the *A/R Correction Invoice Reversal* header.
CSV12	A table that maps to the *A/R Correction Invoice Reversal* window in SAP Business One, and contains information on the *Logistics* tab.
OCPR	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains information on the *Contact Persons* tab.
OCTG	A table that maps to the *Payment Terms - Setup* window in SAP Business One.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
OCRY	A table that maps to the *Countries - Setup* window in SAP Business One.
OCRD	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains information in the *Business Partner Master Data* header.
adm.Employee View	See the *Description* section of the Employee View.

The ARCorrectionInvoiceAndReversalHeaderQuery view retrieves data from the following views:

Name	Description
ar.doc.ARCorrectionInvoiceAndReversalHeaderFact View	A view that collects the information from the header of the *A/R Correction Invoice* and *A/R Correction Invoice Reversal* windows in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the

Name	Description
	SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.

5.3.2   Document: A/R Credit Memo

Data Coverage

The ARCreditMemoDetailFact view retrieves data from the following tables and views:

Name	Description
ORIN	A table that maps to the *A/R Credit Memo* window in SAP Business One, and contains the information in the *A/R Credit Memo* header.
RIN1	A table that maps to the *A/R Credit Memo* window in SAP Business One. and contains information on the *Contents* tab.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
OADM	A table that maps to the *Company Details* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The ARCreditMemoDetailQuery view retrieves data from the following views:

Name	Description
ap.doc.ARCreditMemoDetailFact View	A view that collects the information from the *Contents* tab in the *A/R Credit Memo* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Item View	See the *Description* section of the Item View.
adm.Warehouse View	See the *Description* section of the Warehouse View.

Name	Description
adm.ProjectCode View	See the *Description* section of the ProjectCode View.

The ARCreditMemoHeaderFact view retrieves data from the following tables and views:

Name	Description
ORIN	A table that maps to the *A/P Credit Memo* window in SAP Business One, and contains the information in the *A/P Credit Memo* header.
OCPR	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains information on the *Contact Persons* tab.
OCRD	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains the information in the *Business Partner Master Data* header.
OCTG	A table that maps to the *Payment Terms - Setup* window in SAP Business One.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
OCRY	A table that maps to the *Countries - Setup* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The ARCreditMemoHeaderQuery view retrieves data from the following views:

Name	Description
ar.doc.ARCreditMemoHeaderFact View	A view that collects the information from the header of the *A/R Credit Memo* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.

5.3.3 Document: A/R Invoice

Data Coverage

The ARInvoiceDetailFact view retrieves data from the following tables and views:

Name	Description
OINV	A table that maps to the *A/R Invoice* window in SAP Business One, and contains the information in the *A/R Invoice* header.
INV1	A table that maps to the *A/R Invoice* window in SAP Business One. and contains information on the *Contents* tab.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
OADM	A table that maps to the *Company Details* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The ARInvoiceDetailQuery view retrieves data from the following views:

Name	Description
ar.doc.ARInvoiceDetailFact View	A view that collects the information from the *Contents* tab in the *A/R Invoice* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Item View	See the *Description* section of the Item View.
adm.Warehouse View	See the *Description* section of the Warehouse View.
adm.ProjectCode View	See the *Description* section of the ProjectCode View.

The ARInvoiceHeaderFact view retrieves data from the following tables and views:

Name	Description
OINV	A table that maps to the *A/R Invoice* window in SAP Business One, and contains the information in the *A/R Invoice* header.
INV12	A table that maps to the *A/R Invoice* window in SAP Business One, and contains information on the *Logistics* tab.

Name	Description
OCRD	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains the information in the *Business Partner Master Data* header.
OCRY	A table that maps to the *Countries - Setup* window in SAP Business One.
OCPR	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains information on the *Contact Persons* tab.
OCTG	A table that maps to the *Payment Terms - Setup* window in SAP Business One.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The ARInvoiceHeaderQuery view retrieves data from the following views:

Name	Description
ar.doc.ARInvoiceHeaderFact View	A view that collects the information from the header of the *A/R Invoice* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.

5.3.4 Document: A/R Reserve Invoice

Data Coverage

The ARReserveInvoiceDetailFact view retrieves data from the following tables and views:

Name	Description
OINV	A table that maps to the *A/R Reserve Invoice* window in SAP Business One, and contains the information in the *A/R Reserve Invoice* header.

Name	Description
INV1	A table that maps to the *A/R Reserve Invoice* window in SAP Business One. and contains information on the *Contents* tab.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
OADM	A table that maps to the *Company Details* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The ARReserveInvoiceDetailQuery view retrieves data from the following views:

Name	Description
ar.doc.ARReserveInvoiceDetailFact View	A view that collects the information from the *Contents* tab in the *A/R Reserve Invoice* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Item View	See the *Description* section of the Item View.
adm.Warehouse View	See the *Description* section of the Warehouse View.
adm.ProjectCode View	See the *Description* section of the ProjectCode View.

The ARReserveInvoiceHeaderFact view retrieves data from the following tables and views:

Name	Description
OINV	A table that maps to the *A/R Invoice* window in SAP Business One, and contains the information in the *A/R Invoice* header.
INV12	A table that maps to the *A/P Invoice* window in SAP Business One, and contains information on the *Logistics* tab.
OCRD	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains the information in the *Business Partner Master Data* header.
OCRY	A table that maps to the *Countries - Setup* window in SAP Business One.
OCPR	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains information on the *Contact Persons* tab.

Name	Description
OCTG	A table that maps to the *Payment Terms - Setup* window in SAP Business One.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The ARReserveInvoiceHeaderQuery view retrieves data from the following views:

Name	Description
ar.doc.ARReserveInvoiceHeaderFact View	A view that collects the information from the header of the *A/R Reserve Invoice* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.

5.3.5   Document: Delivery

Data Coverage

The DeliveryDetailFact view retrieves data from the following tables and views:

Name	Description
ODLN	A table that maps to the *Delivery* window in SAP Business One, and contains information in the *Delivery* header.
DLN1	A table that maps to the *Delivery* window in SAP Business One, and contains information on the *Contents* tab.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
OADM	A table that maps to the *Company Details* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The DeliveryDetailQuery view retrieves data from the following views:

Name	Description
ar.doc.DeliveryDetailFact View	A view that collects the information from the *Contents* tab in the *Delivery* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Item View	See the *Description* section of the Item View.
adm.Warehouse View	See the *Description* section of the Warehouse View.
adm.ProjectCode View	See the *Description* section of the ProjectCode View.

The DeliveryHeaderFact view retrieves data from the following tables and views:

Name	Description
ODLN	A table that maps to the *Goods Receipt PO* window in SAP Business One, and contains information in the *Goods Receipt PO* header.
OCRD	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains the information in the *Business Partner Master Data* header.
OCRY	A table that maps to the *Countries - Setup* window in SAP Business One.
OCPR	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains information on the *Contact Persons* tab.
OCTG	A table that maps to the *Payment Terms - Setup* window in SAP Business One.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The DeliveryHeaderQuery view retrieves data from the following views:

Name	Description
ar.doc.DeliveryPOHeaderFact View	A view that collects the information from the header of the *Delivery* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.

Name	Description
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.

5.3.6 Document: Return

Data Coverage

The ReturnDetailFact view retrieves data from the following tables and views:

Name	Description
ORDN	A table that maps to the *Return* window in SAP Business One, and contains information in the *Return* header.
RDN1	A table that maps to the *Return* window in SAP Business One, and contains information on the *Contents* tab.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
OADM	A table that maps to the *Company Details* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The ReturnDetailQuery view retrieves data from the following views:

Name	Description
ar.doc.ReturnDetailFact View	A view that collects the information from the *Contents* tab in the *Return* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.

Name	Description
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Item View	See the *Description* section of the Item View.
adm.Warehouse View	See the *Description* section of the Warehouse View.
adm.ProjectCode View	See the *Description* section of the ProjectCode View.

The ReturnHeaderFact view retrieves data from the following tables and views:

Name	Description
ORDN	A table that maps to the *Goods Return* window in SAP Business One, and contains information in the *Goods Return* header.
CORD	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains the information in the *Business Partner Master Data* header.
OCRY	A table that maps to the *Countries - Setup* window in SAP Business One.
OCPR	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains information on the *Contact Persons* tab.
OCTG	A table that maps to the *Payment Terms - Setup* window in SAP Business One.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The ReturnHeaderQuery view retrieves data from the following views:

Name	Description
ar.doc.ReturnHeaderFact View	A view that collects the information from the header of the *Return* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.

5.3.7   Document: Sales Order

Data Coverage

The SalesOrderDetailFact view retrieves data from the following tables and views:

Name	Description
ORDR	A table that maps to the *Sales Order* window in SAP Business One, and contains information in the *Sales Order* header.
RDR1	A table that maps to the *Sales Order* window in SAP Business One, and contains information on the *Contents* tab.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
OADM	A table that maps to the *Company Details* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The SalesOrderDetailQuery view retrieves data from the following views:

Name	Description
ar.doc. SalesOrderDetailFact View	A view that collects the information from the *Contents* tab in the *Purchase Order* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Item View	See the *Description* section of the Item View.
adm.Warehouse View	See the *Description* section of the Warehouse View.
adm.ProjectCode View	See the *Description* section of the ProjectCode View.

The SalesOrderHeaderFact view retrieves data from the following tables and views:

Name	Description
ORDR	A table that maps to the *Sales Order* window in SAP Business One, and contains information in the *Sales Order* header.
OCRD	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains the information in the *Business Partner Master Data* header.

Name	Description
OCPR	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains information on the *Contact Persons* tab.
OCTG	A table that maps to the *Payment Terms - Setup* window in SAP Business One.
OSHP	A table that maps to the *Shipping Types - Setup* window in SAP Business One.
OCRY	A table that maps to the *Countries - Setup* window in SAP Business One.
adm.Employee View	See the *Description* section of the Employee View.

The SalesOrderHeaderQuery view retrieves data from the following views:

Name	Description
ar.doc.SalesOrderHeaderFact View	A view that collects the information from the header of the *Sales Order* window in SAP Business One.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Branch View	See the *Description* section of the Branch View.

6 Banking Module

6.1 Module Introduction

The views in this module include key attributes and measures to call the data about payments, payment means, payment documents, and so on. Users can design and create incoming and outgoing related analytical reports with this module.

6.2 Views in Bank Module

This module contains 4 reuse views, which will be described in the following sections.

> **i** Note
>
> Any view whose name ends with the word "Query" is a query view; otherwise, it is a reuse view.

6.2.1 ChecksPayment View

Description

The ChecksPayment view collects data items from the checks for payment master data.

Use Case

As a reuse view, the ChecksPayment view is used as an input data foundation of other views in analysis. It can be combined with other views to analyze and forecast the company's outgoing cash flow condition.

Data Coverage

The ChecksPayment view retrieves data from the following tables:

Name	Description
OCHO	A table that maps to the *Checks for Payment* window in SAP Business One, and contains information in the *Checks for Payment* header.

6.2.2   DepositHeader View

Description

The DepositHeader view collects data items from the headers of deposit documents.

Use Case

As a reuse view, the DepositHeader view is used as an input data foundation of other views in analysis. It can be combined with other views to analyze and forecast the company's incoming cash flow condition.

Data Coverage

The DepositHeader view retrieves data from the following tables:

Name	Description
ODPS	A table that maps to the *Deposit* window in SAP Business One, and contains the information in the *Deposit* header.

6.2.3   IncomingOutgoingPayment

Description

The IncomingOutgoingPayment view collects data items from the incoming payments master data and the outgoing payments master data.

Use Case

As a reuse view, the IncomingOutgoingPayment view can be used to reflect data and information about the company's realized incoming and outgoing payments. It is a very useful view that can generate reports about the actual cash flows, so that a comparison analysis can be made with the cash flow budget. Such analyses can improve the effectiveness of the company's funds management.

Data Coverage

The IncompingOutgoingPayment view retrieves data from the following tables:

Name	Description
ORCT	A table that maps to the *Incoming Payments* window in SAP Business

Name	Description
	One, and contains the information in the *Incoming Payments* header.
OVPM	A table that maps to the *Outgoing Payments* window in SAP Business One, and contains the information in the *Outgoing Payments* header.

6.2.4 TemporaryDepositHeader

Description

The TemporaryDepositHeader view collects data items from the header of the postdated deposit document.

Use Case

As a reuse view, the TemporaryDepositHeader view is used as the input data foundation of other views in analysis. It can be combined with other views to analyze and forecast the company's incoming cash flow condition, taking into account future maturing deposits.

Data Coverage

The DepositHeader view retrieves data from the following tables:

Name	Description
ODPT	A table that maps to the *Deposit* window in SAP Business One, and contains the information in the *Deposit* header.

7 CRM Module

7.1 Module Introduction

The administration module includes calculation views that collect dimensional and numeric information about opportunities. Currently, users can use views in this module to design and create analytical reports related to opportunities.

7.2 Views in CRM Module

Views in this folder are prepared according to specific business scenarios. We considered several scenarios regarding opportunity analysis.

> **i** Note
>
> Any view whose name ends with the word "Query" is a query view; otherwise, it is a reuse view.

7.2.1 Scenario: Opportunity Analysis

Description

The OpportunityFact view and OpportunityQuery view cover information about opportunities from various perspectives, for example, business partner, opportunity status, employee, timeframe, industry, channel, and so on. They provide the overview of opportunity with key business information, such as the deal size, win percentage, sales stage, and potential revenue.

Use Case

Both sales opportunities and purchase opportunities are supported in this scenario. The OpportunityFact view and OpportunityQuery view can be used in the following use cases:

- Sales forecast
- Pipeline analysis (cross different sales stages)
- Daily business review
- Sales employee performance management
- Opportunity status analysis

Data Coverage

The OpportunityFact view retrieves data from the following tables and views:

Name	Description
OOSR	A table that maps to the *Information Source - Setup* window opened from the *General* tab in the *Opportunity* window in SAP Business One.
OOFR	A table that maps to the *Reasons - Setup* window opened from the *Summary* tab in the *Opportunity* window in SAP Business One.
OOST	A table that maps to the *Opportunity Stages - Setup* window in SAP Business One.
OPR5	A table that maps to the *Opportunity* window in SAP Business One and contains information in the *Reasons* table on the *Stages* tab.
OOIR	A table that maps to the *Level of Interest - Setup* window opened from the *Potential* tab in the *Opportunity* window in SAP Business One.
OPR1	A table that maps to the *Opportunity* window in SAP Business One and contains information on the *Stages* tab.
OOPR	A table that maps to the *Opportunity* window in SAP Business One and contains information in the *Opportunity* header.
OCPR	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains information on the *Contact Persons* tab.
adm.Industry View	See the *Description* section of the Industry View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Employee View	See the *Description* section of the Employee View.

The OpportunityQuery view retrieves data from the following views:

Name	Description
adm.OpportunityStartDate View	See the *Description* section of the OpportunityStartDate View.
adm.OpportunityClosingDate View	See the *Description* section of the OpportunityClosingDate View.
adm.OpportunityPredictedClosingDate View	See the *Description* section of the OpportunityPredictedClosingDate View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
crm.OpportunityFact view	See the *Description* section of the Scenario: Opportunity Analysis.

7.2.2 Scenario: Opportunity Win Rate

Description

This scenario is aimed to calculate the percentage of opportunities which are successful. Users can use the OpportunityWinRateFact view and OpportunityWinRateQuery view to measure the performance and efficiency across all sales cycle.

Use Case

The OpportunityWinRateFact view and OpportunityWinRateQuery view can be used in the following use cases:

- Sales employee performance management
- Analysis of deal loss reasons
- Close stage analysis of opportunities

Data Coverage

The OpportunityWinRateFact view retrieves data from the following view:

Name	Description
crm.OpportunityFact view	See the *Description* section of the Scenario: Opportunity Analysis.

The OpportunityWinRateQuery view retrieves data from the following views:

Name	Description
adm.OpportunityStartDate View	See the *Description* section of the OpportunityStartDate View.
adm.OpportunityClosingDate View	See the *Description* section of the OpportunityClosingDate View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
crm.OpportunityWinRateFact view	See the *Description* section of the Scenario: Opportunity Win Rate.

8 Financials Module

8.1 Module Introduction

The reuse views in this module represent all the specific financial scenarios, so long as they can be covered by the information in the database. With the reuse views as the base, the query views enable report authors to design and create a wide variety of comprehensive financial analytical reports, with rich information and multiple dimensions crossing each other.

In addition, views about financial related KPI (key performance indicator) factors are embedded in this module. With these views, report designers and authors can achieve performance analyses for the company conveniently. For more information about KPIs, see Working with Key Performance Indicators (KPIs) in SAP Business One at http://service.sap.com/smb/sbocustomer/documentation.

8.2 Views in the Financial Module

To achieve better organization for the views, we divide views in this module into the following 3 folders: **Budget and Cost Accounting**, **Financial Accounting**, and **Management Accounting**.

> **i** Note
>
> Any view whose name ends with the word "Query" is a query view; otherwise, it is a reuse view.

8.2.1 Budget and Cost Accounting

The views included in the Budget and Cost Accounting folder are introduced as follows:

8.2.1.1 BudgetAccountActualAmount View

Description

The BudgetAccountActualAmount view collects data items about the transactions in which the cost accounting function is involved. It focuses on the actual amounts that posted to the G/L account assigned to budget scenarios.

Use Case

This view is used as the data foundation that enables report authors to design and create reports to reflect and analyze the business activities or transactions subject to budget management.

Data Coverage

The BudgetAccountActualAmount view retrieves data from the following tables and views:

Name	Description
OBGT	A table that maps to the *Budget Scenarios - Setup* window in SAP Business One.
BGT1	A table that maps to the *Budget Scenarios - Setup (Scenario XXX)* window in SAP Business One
adm.JournalEntryCostCenterActualAmount View	See the *Description* section of the JournalEntryCostCenterActualAmount View.

8.2.1.2   BudgetAllocationToAccount View

Description

The BudgetAllocationToAccount view collects data items about the transactions in which the cost accounting function is involved. It focuses on the budget amounts allocated to the G/L account assigned to budget scenarios.

Use Case

This view is used as the data foundation that enables report authors to design and create reports to reflect and analyze the business activities or transactions subject to budget management.

Data Coverage

The BudgetAllocationToAccount view retrieves data from the following tables and views:

Name	Description
OBGS	A table that maps to the *Budget Scenarios - Setup* window in SAP Business One.
OBGT	A table that maps to the *Budget Scenarios - Setup* window in SAP Business One.
BGT1	A table that maps to the *Budget Scenarios - Setup (Scenario XXX)*

Name	Description
	window in SAP Business One
adm.GLAccount View	See the *Description* section of the GLAccountType View.
adm.CostCenterDimension View	See the *Description* section of the CostCenterDimension View.

8.2.1.3   BudgetAnalysisDataFoundation View

Description

The BudgetAnalysisDataFoundation view collects data items about the transactions in which the cost accounting function is involved. It focuses on both the budget amounts and the actual amounts assigned to budget scenarios, on both the G/L account and the cost center level.

Use Case

This view is used as the data foundation that enables report authors to design and create reports to reflect and analyze the business activities or transactions subject to budget management.

Data Coverage

The BudgetAllocationToAccount view retrieves data from the following views:

Name	Description
fin.bca.BudgetDistributionToCostCenter View	See the *Description* section of the BudgetDistributionToCostCenter View.
fin.bca.BudgetAllocationToAccount View	See the *Description* section of the BudgetAllocationToAccount View.
fin.bca.BudgetAccountActualAmount	See the *Description* section of the BudgetAccountActualAmount View.

8.2.1.4   BudgetAnalysisQuery View

Description

The BudgetAnalysisQuery view collects data items about the budget scenarios and the G/L accounts. It also calculates budget and actual amount in each month of the specified dimensions.

Use Case

This view can be used for creating reports to compare the budget and the actual amounts of the business activities taking place. Through a comparison analysis based on the reports, management can discover the reasons for any significant differences and take corrective actions accordingly.

Data Coverage

The BudgetAnalysisQuery view retrieves data from the following views:

Name	Description
adm.GLAccount View	See the *Description* section of the GLAccount View.
fin.bca.GLAccountBudgetVSActual View	See the *Description* section of the GLAccountBudgetVSActual View.

8.2.1.5 BudgetDistributionToCostCenter View

Description

The BudgetDistributionToCostCenter view collects data items about the transactions in which the cost accounting function is involved. It focuses on the budget amounts distributed to the cost centers.

Use Case

This view is used as the data foundation that enables report authors to design and create reports to reflect and analyze the business activities or transactions subject to budget management.

Data Coverage

The BudgetDistributionToCostCenter view retrieves data from the following tables and views:

Name	Description
OBGT	A table that maps to the *Budget Scenarios - Setup* window in SAP Business One.
BGT3	A table that maps to the *Budget Versus Cost Accounting* window in SAP Business One, and contains the information in the *Budget Versus Cost Accounting* table.
adm.CostCenterDistributionRule View	See the *Description* section of the CostCenterDistributionRule View.

8.2.1.6   BudgetVSActualQuery View

Description

The BudgetVSActualQuery view collects dimensional data items of the cost centers and the budget scenarios. It calculates the budget amounts, actual amounts and their differences in each cost center in the specified periods.

Use Case

This view can be used for creating reports that compare the budget and actual amounts of the business activities performed in each budget scenarios. It cross-references the budget scenario factor and the cost center factor, allowing a dramatic increase in the interactivity of the information contained in this view.

This view is very useful to report authors who focus on budgetary analysis and cost accounting analysis.

Data Coverage

The BudgetVSActualQuery view retrieves data from the following views:

Name	Description
adm.GLAccount View	See the *Description* section of the GLAccount View.
adm.BudgetCalendar View	See the *Description* section of the BudgetCalendar View.
adm.BudgetScenario View	See the *Description* section of the BudgetScenario View.
adm.CostCenter View	See the *Description* section of the CostCenter View.
Fin.bca.BudgetAnalysisDataFoundation View	See the *Description* section of the BudgetAnalysisDataFoundation View.

8.2.1.7   CostAccountingAnalysisQuery View

Description

The CostAccountingAnalysisQuery view collects data items about the transactions in which the cost accounting function is involved. Correspondingly, the revenue, expense and profit are calculated from a cost accounting point of view.

Use Case

This view enables report authors to design and create reports to reflect and analyze the business activities for cost accounting purposes. The information in the reports that are created based on this view can be broken down on the transaction level.

The following are several examples of what you can do with the CostAccountingAnalysisQuery view:

- Analyze the revenue and profit for each individual cost center to find the most competitive cost center for performance assessment purposes.
- Analyze the profitability of different projects for each cost center to optimize the allocation of human resources and material assets.
- Calculate the key performance indexes of a cost center in different financial periods to make vertical comparisons.

Data Coverage

The CostAccountingAnalysisQuery view retrieves data from the following views:

Name	Description
fin.bca.CostCenterCostItem View	See the *Description* section of the AccountReceivablePayableItem View.
adm.GLAccount View	See the *Description* section of the GLAccountType View.
adm.FinancialPeriod View	See the *Description* section of the FinancialPeriod View.
adm.ProjectCode View	See the *Description* section of the ProjectCode View.
adm.CalendarDate View	See the *Description* section of the CalendarDate View.
adm.GLAccountLevel View	See the *Description* section of the GLAccountLevel View.

8.2.1.8   CostAccountVSFinancialAccountingQuery View

Description

The CostAccounVSFinancialAccountingQuery view collects data items about the transactions in which the cost accounting function is involved. It focuses on the net amounts of the G/L accounts, as well the net amount of the G/L account posted to the cost center.

Use Case

This view enables report authors to design and create reports to reflect and analyze the business activities for cost accounting purposes. It is used to analyze the difference between the perspectives of cost accounting and financial accounting as regards the postings made to the G/L accounts.

Data Coverage

The CostAccountVSFinancialAccountingQuery view retrieves data from the following tables and views:

Name	Description
JDT1	A table that maps to the *Journal Entry* window in SAP Business One, and contains the information in the *Journal Entry* table.
adm.GLAccount View	See the *Description* section of the GLAccountType View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.FinancialPeriod View	See the *Description* section of the FinancialPeriod View.
adm.PostingDate	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.CostCenterDimension	See the *Description* section of the CostCenterDimension View.
adm.CostCenterCostItem View	See the *Description* section of the CostCenterCostItem View.

8.2.1.9   CostCenterBudgetVSActual View

Description

The CostCenterBudgetVSActual view collects dimensional data items of the cost centers and the budget scenarios, and calculates the budget and actual amounts of each cost center in the specified periods.

Use Case

This view can be used for creating reports for comparing the budget and actual amounts of the business activities performed by each cost center. It cross-references the budget scenario factor and the cost center factor, allowing a dramatic increase in the interactivity of the information contained in this view.

This view is very useful to report authors who focus on budgetary analysis and cost accounting analysis.

Data Coverage

The CostCenterBudgetVSActual view retrieves data from the following tables and views:

Name	Description
BGT3	A table that maps to the *Budget Versus Cost Accounting* window in SAP Business One, and contains the information in the *Budget Versus Cost Accounting* table.
OBGT	A table that maps to the *Budget Scenarios - Setup* window in SAP

Name	Description
	Business One.
adm.BudgetScenario View	See the *Description* section of the BudgetScenario View.
fin.bca.CostCenterCostItem View	See the *Description* section of the CostCenterCostItem View.
adm.CostCenterDistributionRule View	See the *Description* section of the CostCenterDistributionRule View.
fin.bca.GLAccountBudgetVSActual View	See the *Description* section of the GLAccountBudgetVSActual View.

8.2.1.10 CostCenterBudgetVSActualQuery View

Description

The CostCenterBudgetVSActualQuery view collects the dimensional data items of the cost centers and the budget scenarios, and can calculate the budget and actual amounts for each cost center in all dimensions.

Use Case

This view can be used for creating reports for comparing the budget and actual amounts of the business activities performed by each cost center. It cross-references the budget scenario factor and the cost center factor, dramatically increasing the interactivity of the information contained in this view.

This view is very useful to report authors who focus on budgetary analysis and cost center analysis.

Data Coverage

The CostCenterBudgetVSActualQuery view retrieves data from the following views:

Name	Description
fin.bca.CostCenterBudgetVSActual View	See the *Description* section of the CostCenterBudgetVSActual View.
adm.GLAccount View	See the *Description* section of the GLAccount View.
adm.BudgetScenario View	See the *Description* section of the BudgetScenario View.
adm.CostCenterDistributionRule View	See the *Description* section of the CostCenterDistributionRule View.

8.2.1.11   CostCenterCostItem View

Description

The CostCenterCostItem view collects all dimensional data items from the posted journal entries in which cost centers are involved. Therefore, the revenue, expenses and profit of each cost center can be calculated in all the dimensions.

Use Case

The CostCenterCostItem view, as a reuse view, is used as the input data foundation of other views to create reports focusing on cost center analysis.

Data Coverage

The CostCenterCostItem view retrieves data from the following views:

Name	Description
fin.bca.CostCenterJournalItem View	See the *Description* section of the CostCenterJournalItem View.
adm.CostCenterDistributionRule View	See the *Description* section of the CostCenterDistributionRule View.
adm.GLAccountType View	See the *Description* section of the GLAccountType View.

8.2.1.12   CostCenterJournalItem View

Description

The CostCenterJournalItem view collects the data from the journal entry line items to calculate the actual amount of the objects which have a distribution rule applied to them.

Use Case

This view enables report authors to design, create, and analyze the cost accounting related reports considering the influences on the transaction level. The dimensional information about the transactions can be used to break down the report results.

Data Coverage

The CostCenterJournalItem view retrieves data from the following tables.

Name	Description
JDT1	A table that maps to the *Journal Entry* window in SAP Business One, and contains the information in the *Journal Entry* table.

8.2.1.13 GLAccountBudgetVSActual View

Description

The GLAccountBudgerVSActual view collects dimensional data items of the G/L accounts and the budget scenarios. It calculates the monthly budget and actual amounts of each G/L account defined in the budget scenarios.

Use Case

This view can be used for creating reports that compare the budget and actual amounts of the G/L accounts, to reflect the company's business activities. It makes the budget scenario factor and the G/L account factor cross each other; therefore, it significantly increases the interactivity of the information contained in this view.

This view is very useful to report authors who focus on budgetary analysis.

Data Coverage

The GLAccountBudgerVSActual view retrieves data from the following tables and views:

Name	Description
BGT1	A table that maps to the *Budget Scenarios - Setup (Scenario XXX)* window in SAP Business One
adm.BudgetScenario View	See the *Description* section of the BudgetScenario View.

8.2.1.14 JournalEntryCostCenterActualAmount View

Description

The JournalEntryCostCenterActualAmount view collects dimensional data items of the cost centers and journal entries, and calculates the actual amounts of each G/L account and cost center according to journal entry postings.

Use Case

This view enables report authors to design and create reports to reflect and analyze the business transactions performed by each cost center.

This view is very useful to report authors who focus on cost accounting analysis. It can be used as the data foundation of other views to create reports which require comparison and detailed analysis regarding cost centers.

Data Coverage

The JournalEntryCostCenterActualAmount view retrieves data from the following views:

Name	Description
fin.bca.JournalEntryItemWithDimensionCode View	See the *Description* section of the JournalEntryItemWithDimensionCode View.
adm.CostCenterDistributionRule View	See the *Description* section of the CostCenterDistributionRule View.

8.2.1.15   JournalEntryItemWithDimensionCode View

Description

The JournalEntryItemWithDimensionCode view collects data items of the dimensions and journal entries, and calculates the amounts of G/L accounts that have postings in dimensions.

Use Case

This view enables report authors to design and create reports to reflect and analyze the business transactions performed by each cost center.

This view is very useful to report authors who focus on cost accounting analysis. It can be used as the data foundation of other views to create reports which require comparison and detailed analysis regarding cost centers.

Data Coverage

The JournalEntryItemWithDimensionCode view retrieves data from the following views:

Name	Description
fin.JournalEntryItem View	See the *Description* section of the JournalEntryItem View.
adm.GLAccountType View	See the *Description* section of the GLAccountType View.

8.2.2   Financial Accounting

8.2.2.1   BalanceSheetComparisonQuery View

Description

"BalanceSheetComparisonQuery" is a query view which calculates the closing balances of the G/L accounts of the specified periods. It also enables users to get the account balances of the same period in the previous year.

Use Case

With the BalanceSheetComparisonQuery view, users can calculate the balance sheets at the end date of specific financial periods or the financial years they require. Based on the specified financial periods, the closing balances of the same period in the previous year can be calculated, and the calculation of the growth percentage between the 2 years is achieved.

With this view, report authors can easily create balance sheet comparison reports, for analysis, management, and audit purposes.

Input Parameter

P_FinancialPeriod: A mandatory parameter used to set the financial period at the end of which you want to calculate the balance sheet.

P_AddVoucher: A mandatory parameter used to determine whether to include the journal vouchers in the calculations. "Y" represents YES: include the journal vouchers; "N" represents NO: do not include the journal vouchers.

Data Coverage

The BalanceSheetComparisonQuery view retrieves data from the following views:

Name	Description
fin.mgmt.GLAccountPeriodBalance View	See the *Description* section of the GLAccountPeriodBalance View.
fin.fi.FinancialPeriodDetail View	See the *Description* section of the FinancialPeriodDetail View.
adm.GLAccount View	See the *Description* section of the GLAccount View.
adm.FinancialPeriod View	See the *Description* section of the FinancialPeriod View.

8.2.2.2 BalanceSheetItem View

Description

The BalanceSheetItem view collects data items from the balance sheet related financial report templates and financial report template items defined in the database. It calculates the closing balances of the template items at the end of the specified periods.

Use Case

The BalanceSheetItem view inherits the mapping relations and the calculation logics that are included in the financial report templates. As a reuse view, it is often used as the input data foundation of other views for balance sheet related reports and the financial KPI related analysis.

Input Parameters

P_TemplateInternalKey: A mandatory parameter used to determine the financial report template based on which you want to calculate the balance sheet.

P_ToDate: A mandatory parameter used to determine the date on which you want to calculate the balance sheet. Specify the value in the "YYYY-MM-DD" format.

Data Coverage

The BalanceSheetItemview retrieves data from the following views:

Name	Description
fin.JournalEntryItem View	See the *Description* section of the JournalEntryItem View.
adm.CalendarDate View	See the *Description* section of the CalendarDate View.
fin.FinancialTemplateHierarchy View	See the *Description* section of the FinancialTemplateHierarchy View.
fin.fi.ProfitPeriod View	See the *Description* section of the ProfitPeriod View.

8.2.2.3 BalanceSheetQuery View

Description

The BalanceSheetQuery view calculates the balances of the G/L accounts of the specified periods.

Use Case

With this view, users can calculate the balance sheets in the specific financial periods or fiscal years they require. And as a reuse view, it is often used as the input data foundation of other views for balance sheet related reports and the financial KPI related analysis.

Input Parameters

P_FinancialPeriod: A mandatory parameter used to set the financial period at the end of which you want to calculate the balance sheet.

P_AddVoucher: A mandatory parameter used to determine whether to include the journal vouchers in the calculations. "Y" represents YES: include the journal vouchers; "N" represents NO: do not include the journal vouchers.

Data Coverage

The BalanceSheetQuery view retrieves data from the following views:

Name	Description
fin.mgmt.GLAccountPeriodBalance View	See the *Description* section of the GLAccountPeriodBalance View.
adm.FinancePeriod View	See the *Description* section of the FinancePeriod View.
adm.GLAccount View	See the *Description* section of the GLAccount View.

8.2.2.4   CashFlowStatementQuery View

Description

The CashFlowStatementQuery view calculates the debit and credit amounts of the G/L accounts related to cash flow line items occurring in the specified periods.

Use Case

With this view, users can calculate the cash flow statement for the specific financial periods or fiscal years they require. As a reuse view, it is often used as the input data foundation of other views for cash flow related reports and the financial KPI related analysis.

Input Parameter

P_TemplateInternalKey: A mandatory parameter used to determine the financial report template based on which you want to calculate the cash flow statement.

P_FromDate: A mandatory parameter used to set the start date of the time period in which you want to calculate the cash flow statement. Specify the value in the "YYYY-MM-DD" format.

P_ToDate: A mandatory parameter used to set the end date of the time period in which you want to calculate the cash flow statement. Specify the value in the "YYYY-MM-DD" format.

Data Coverage

The CashFlowStatementQuery view retrieves data from the following views:

Name	Description
adm.FinancialPeriod View	See the *Description* section of the AccountReceivablePayableItem View.
fin.JournalEntryVoucherItem View	See the *Description* section of the JournalEntryVoucherItem View.
fin,fi.CashFlowTransactionData View	See the *Description* section of the CashFlowTransactionData View.
adm.CashFlowLineItem View	See the *Description* section of the CashFlowLineItem View.
adm.GLAccountType View	See the *Description* section of the GLAccountType View.

8.2.2.5   CashFlowTransactionData View

Description

The CashFlowTransactionDatA view that collects dimensional data items from the transactions in which the cash flow line items are involved, so that the debit and credit amount occurring can be calculated.

Use Case

This view enables report authors to design, create and analyze the cash flow related reports considering the influences on the transaction level. The dimensional information about the transactions can be used to break down the report results. In addition, it can be used to support and expand the cash flow related reports.

Data Coverage

The CashFlowTransactionData view retrieves data from the following table:

Name	Description
OCFT	A table that maps to the *Cash Flow* window in SAP Business One, and contains the information in the *Cash Flow* header.

8.2.2.6 FinancialPeriodDetail View

Description

The FinancialPeriodDetails view collects data items from financial period master data.

Use Case

As a reuse view, the FinancialPeriodDetails view can be used as the input data foundation of other views to create financial reports which require comparison and detailed analysis regarding financial periods.

Data Coverage

The FinancialPeriodDetails view retrieves data from the following tables.

Name	Description
OACP	A table that maps to the *Posting Periods* window in SAP Business One.
OFPR	A table that maps to the *Posting Period* window in SAP Business One.

8.2.2.7 ProfitAndLossComparisonQuery View

Description

The ProfitLossStatementComparisonQuery view calculates the accumulated amounts of the G/L accounts in the specified periods. It also enables users to get the accumulated amounts of the accounts in the same period of the previous year.

Use Case

With the ProfitLossStatementComparisonQuery view, users can calculate the profit and loss statement in the specific financial periods or financial years they require. Based on the specified financial periods, the balances of the same period in the previous year can be calculated, enabling the calculation of the growth percentage between the 2 years.

With this view, report authors can create comparison reports about the profit and loss statement for analysis, management, and audit purposes.

Input Parameter

P_FinancialPeriod: A mandatory parameter used to set the financial period in which you want to calculate the profit and loss statement.

Data Coverage

The ProfitLossStatementComparisonQuery view retrieves data from the following views:

Name	Description
fin,fi.FinancialPeriodDetailView	See the *Description* section of the FinancialPeriodDetail View.
fin,mgmt.GLAccountPeriodAmountView	See the *Description* section of the GLAccountPeriodAmount View.
adm.GLAccount View	See the *Description* section of the GLAccount View.
adm.FinancialPeriod View	See the *Description* section of the FinancialPeriod View.

8.2.2.8 ProfitAndLossQuery View

Description

The ProfitLossStatementQuery view calculates the amounts of the G/L accounts related to profit and loss template line items occurring in the specified periods.

Use Case

With this view, users can calculate the profit and loss statement in the specific financial periods or fiscal years they require. As a reuse view, it is often used as the input data foundation of other views for profit and loss related reports and the financial KPI related analysis.

Input Parameter

P_FinancialPeriod: A mandatory parameter used to set the financial period in which you want to calculate the profit and loss.

P_AddVoucher: A mandatory parameter used to determine whether to include the journal vouchers in the calculations. "Y" represents YES: include the journal vouchers; "N" represents NO: do not include the journal vouchers.

Data Coverage

The ProfitLossStatementQuery view retrieves data from the following views:

Name	Description
fin,mgmt.GLAccountPeriodBalanceView	See the *Description* section of the GLAccountPeriodBalance View.
fin,mgmt.GLAccountPeriodAmount View	See the *Description* section of the GLAccountPeriodAmount View.
adm.GLAccount View	See the *Description* section of the GLAccount View.
fin,mgmt.GLAccountInFinancialPeriod	See the *Description* section of the GLAccountInFinancialPeriod View.
adm.FinancialPeriod View	See the *Description* section of the FinancialPeriod View.

8.2.2.9   ProfitPeriod View

Description

The ProfitPeriod view collects the dimensional data items about the financial report templates.

Use Case

ProfitPeriod is a calculated value based on specific balance sheet templates. It can be used as the input data foundation of other views that require the information related to the financial report templates, or KPI related analysis.

Input Parameter

P_TemplateInternalKey: A mandatory parameter used to determine the financial report template based on which you want to calculate the balance sheet.

P_ToDate: A mandatory parameter used to set the end date of a posting period. The output data whose posting dates are included in this time period is displayed. Specify the value in the "YYYY-MM-DD" format.

Data Coverage

The ProfitPeriod view retrieves data from the following tables:

Name	Description
OFRC	A table that maps to the *Financial Report Templates* window in SAP Business One.
JDT1	A table that maps to the *Journal Entry* window in SAP Business One, and contains

Name	Description
	the information in the *Journal Entry* table.
OACT	A table that maps to the *Chart of Accounts* window in SAP Business One.

8.2.3   Management Accounting

8.2.3.1   AccountingFiscalYTDBalance View

Description

The AccountingFiscalYTDBalance view calculates the fiscal year-to-date amount of the G/L accounts. It allows you to get the posted amount of the chosen G/L accounts on the debit or credit side individually, or as a total amount considering the posting side.

Use Case

This view can be used as a foundation for the general ledger reports that calculate the opening and closing balances of the defined fiscal year-to-date.

Input Parameters

P_AddVoucher: A parameter used to determine whether to include the journal vouchers in the calculations. "Y" represents YES: include the journal vouchers; "N" represents NO: do not include the journal vouchers.

P_ToDate: A mandatory parameter used to set the end date of a random time period of journal entry or document postings. The output data whose posting dates are included in this time period is displayed. Specify the value in the "YYYY-MM-DD" format.

Data Coverage

The AccountingFiscalYTDBalance view retrieves data from the following views:

Name	Description
fin.JournalEntryVoucherItem View	See the *Description* section of the JournalEntryVoucherItem View.
adm.FinancialPeriod View	See the *Description* section of the FinancialPeriod View.

8.2.3.2 AccountingReceivablePayableItem View

Description

The AccountReceivablePayableItem view is a reuse view that contains the attributes about the information posted to the account receivable and account payable related journal entries. In addition, it includes the measures to get the posted transaction amounts, as well as the amounts due to or from the business partners.

Use Case

The AccountReceivablePayableItem view can calculate the amounts for specific partners under specific conditions at specific aging dates. As a reuse view, it serves as a data foundation for building aging reports, as well as supporting financial KPI related analysis.

Input Parameters

P_AgingDate: A parameter used to set the aging date for calculations. Users can change the value in this parameter to fit their real time needs.

P_BusinessPartnerType: A parameter used to specify the type of the business partners. "C" stands for customers; "S" stands for vendors.

Data Coverage

The AccountReceivablePayableItem view retrieves data from the following views:

Name	Description
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
fin.JournalEntryItem View	See the *Description* section of the JournalEntryItem View.
adm.InternalReconciliation View	See the *Description* section of the InternalReconciliation View.

8.2.3.3 AgingQuery View

Description

The AgingQuery view is a query view. In this view, the attributes can pull the information related to vendors and customers, marketing documents, journal entries, and so on. Meanwhile the measures can get or calculate the numeric values of the appointed attributes.

Use Case

With the AgingQuery view, you can calculate aging reports from different analytical points of view.

The following are several examples of what you can do with the AgingQuery view:

- Calculate the aging report of a specific customer or vendor
- Analyze the receivable performance of each sales employee
- Compare the receivable levels among different projects
- Analyze the influences on the receivables of different payment methods
- Analyze the payable and receivable amounts in different payment day ranges (for example: 0-30/30-60/60-90/ 90 days above) to improve capital management efficiency

Input Parameters

P_AgingDate: A parameter used to set the aging date for calculations. Users can change the value in this parameter to fit their real time needs.

P_BusinessPartnerType: A parameter used to specify the type of the business partners. "C" stands for customers; "S" stands for vendors.

Data Coverage

The AgingQuery view retrieves data from the following views:

Name	Description
fin.mgmt.AccountReceivablePayableItem View	See the *Description* section of the AccountReceivablePayableItem View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.MarketingDocument View	See the *Description* section of the MarketingDocument View.
adm.SalesEmployeeOrBuyer View	See the *Description* section of the SalesEmployeeOrBuyer View.
adm.GLAccount View	See the *Description* section of the GLAccount View.
adm.DocumentInstallment View	See the *Description* section of the DocumentInstallment View.

8.2.3.4 ARInvoiceHeader View

Description

The ARInvoiceHeader view collects data and information from the A/R invoice header area. Therefore, this view includes only attributes.

Use Case

The ARInvoiceHeader view, as a reuse view, provides the data that is stored in the A/R invoice header to any views that need this information to form a complete picture for users, to design and create relevant reports.

Data Coverage

The ARInvoiceHeader view retrieves data from the following tables:

Name	Description
OINV	A table maps to the *A/R Invoice* window in SAP Business One, and contains the information in *A/R Invoice* header.

8.2.3.5   BPInGLAccount View

Description

The BPInGLAccount view collects the dimensional data items about the business partners and the G/L accounts.

Use Case

The BPInGLAccount view contains the cross join information of the business partners and the control accounts. So as the input data foundation, it can be used to constitute general ledger related reports.

Data Coverage

The BPInGLAccount view retrieves data from the following views:

Name	Description
fin.JournalEntryItem View	See the *Description* section of the JournalEntryItem View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.

8.2.3.6 BusinessPartnerBalance View

Description

The BusinessPartnerBalance view contains a few attributes and measures of the account balance of the business partners, including the business partner and G/L account code, as well as the balance of the business partners in different currencies.

Use Case

As a reuse view, the BusinessPartnerBalance view collects data items of the transactions of the business partners for a specific time period. This view can be used as a data foundation of balance sheet reports and general ledger reports for business partners.

Input Parameter

P_AddVoucher: A parameter used to determine whether to include the journal vouchers in the calculations. "Y" represents YES: include the journal vouchers;"N" represents NO: do not include the journal vouchers.

P_ToDate: A parameter used to set the end date of a time period of posting. The output data whose posting dates are included in this time period is displayed. Specify the value in the "YYYY-MM-DD" format.

Data Coverage

The BusinessPartnerBalance view retrieves data from the following views:

Name	Description
fin.JournalEntryVoucherItem View	See the *Description* section of the JournalEntryVoucherItem View.

8.2.3.7 FinancialAalysisFact View

Description

The FinancialAnalysisFact view collects data and information that cover a wide range or areas in the accounting-related functions. It covers information such as journal entries, cash flow-related information, business partners, and chart of accounts.

Use Case

As integrated comprehensive financial information, the FinancialAnalysisFact view provides a data foundation for other views to create reports that require comprehensive and detailed analysis in accounting areas.

Data Coverage

The FinancialAnalysisFact view retrieves data from the following tables and views:

Name	Description
OCFT	A table that maps to the *Cash Flow* window in SAP Business One, and contains the information in the *Cash Flow* header.
JDT1	A table that maps to the *Journal Entry* window in SAP Business One, and contains the information in the *Journal Entry* table.
OCRD	A table that maps to the *Business Partner Master Data* window in SAP Business One, and contains the information in the *Business Partner Master Data* header.
OLCT	A table that maps to the *Locations - Setup* window in SAP Business One.
OACT	A table that maps to the *Chart of Accounts* window in SAP Business One.
fin.JournalEntryItem View	See the *Description* section of the JournalEntryItem View.

8.2.3.8   FinancialAnalysisQuery View

Description

The FinancialAnalysisQuery view collects data and information that cover a wide range or areas in the accounting-related functions. It covers information such as journal entries, cash flow-related information, business partners, and chart of accounts.

Use Case

As integrated comprehensive financial information, the FinancialAnalysisQuery view can be used to create reports that require comprehensive and detailed analysis in accounting areas.

Following are some examples of what you can do using the FinancialAnalysisQuery view:

- Accounting-related reports:
  - o   Cash flow statement
  - o   Journal transaction report
  - o   General ledger report
  - o   Tax report

- Project-related data:
  - Calculate the total posted debit amount in a project
  - Calculate the posted debit amount broken down to each G/L account in a project
  - Calculate both the posted debit amount and the debit balance amount due broken down to each G/L account in a project
- Business partner-related data:
  - Calculate the account receivable of a customer or all the customers
  - Calculate the account receivable of a customer and present the results broken down to different financial periods
  - Calculate the account payable of the vendors in different financial periods and present the results broken down to different projects

Data Coverage

The FinancialAnalysisQuery view retrieves data from the following views:

Name	Description
fin.mgmt.FinancialAnalysisFact View	See the *Description* section of the FinancialAnalysisFact View.
adm.GLAccount View	See the *Description* section of the GLAccount View.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentDate View	See the *Description* section of the DocumentDate View.
adm.DueDate View	See the *Description* section of the DueDate View.
adm.Branch View	See the *Description* section of the Branch View.
adm.ProjectCode View	See the *Description* section of the ProjectCode View.
adm.FinancialPeriod View	See the *Description* section of the FinancialPeriod View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.VATDate View	See the *Description* section of the VATDate View.
adm.ReconciliationDate View	See the *Description* section of the ReconciliationDate View.
adm.CashFlowLineItem View	See the *Description* section of the CashFlowLineItem View.

8.2.3.9   GeneralLedgerAccountQuery View

Description

The GeneralLedgerAccountQuery view collects the dimensional data items about the G/L accounts defined in the database, including the hierarchy relations between the accounts.

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Use Case

This view can be used to analyze the accounting records posted to each G/L account in dimensions such as posting dates and account levels. It enables report authors to calculate the balances of the accounts at specific dates, the accumulated amounts during specific periods, and the posting amounts on credit and debit sides.

Input Parameter

P_AddVoucher: A mandatory parameter used to determine whether to include the journal vouchers in the calculations. "Y" represents YES: include the journal vouchers; "N" represents NO: do not include the journal vouchers.

P_FromDate: A mandatory parameter used to set the start date of a random time period of journal entry or document postings. The output data whose posting dates are included in this time period is displayed. Specify the value in the "YYYY-MM-DD" format.

P_ToDate: A mandatory parameter used to set the end date of a random time period of journal entry or document postings. The output data whose posting dates are included in this time period is displayed. Specify the value in the "YYYY-MM-DD" format.

Data Coverage

The GeneralLedgerAccountQuery view retrieves data from the following views:

Name	Description
fin.JournalEntryVoucherItem View	See the *Description* section of the JournalEntryVoucherItem View.
adm.GLAccount View	See the *Description* section of the GLAccount View.
fin.mgmt.GLAccountBalance View	See the *Description* section of the GLAccountBalance View.
fin.mgmt.AccountingFiscalYTDBalance View	See the *Description* section of the AccountingFiscalYTDBalance View.

8.2.3.10   GeneralLedgerBPQuery View

Description

The GeneralLedgerBPQuery view collects the dimensional data items about the business partners and the accounts. It focuses on getting the actual amounts, the balances and the accumulated amount of the business partners.

Use Case

This view enables report authors to design and create reports focused on those accounting records posted to the business partners. It allows the report users to calculate the balances of the business partners at specific dates, the accumulated amounts during specific periods, as well as the posting amounts on credit and debit sides.

Input Parameter

P_AddVoucher: A mandatory parameter used to determine whether to include the journal vouchers in the calculations. "Y" represents YES: include the journal vouchers; "N" represents NO: do not include the journal vouchers.

P_FromDate: A mandatory parameter used to set the start date of a random time period of journal entry or document postings. The output data whose posting dates are included in this time period is displayed. Specify the value in the "YYYY-MM-DD" format.

P_ToDate: A mandatory parameter used to set the end date of a random time period of journal entry or document postings. The output data whose posting dates are included in this time period is displayed. Specify the value in the "YYYY-MM-DD" format.

Data Coverage

The GeneralLedgerBPQuery view retrieves data from the following views:

Name	Description
fin.JournalEntryVoucherItem View	See the *Description* section of the JournalEntryVoucherItem View.
fin.mgmt.BPInGLAccount View	See the *Description* section of the BPInGLAccount View.
adm.GLAccount View	See the *Description* section of the GLAccount View.

8.2.3.11   GLAccountBalance View

Description

The GLAccountBalance view collects only 2 data items, the G/L account codes and the foreign currency codes. It calculates the balance of the account at specific dates.

Use Case

As a simple reuse view, the GLAccountBalance view can be used as the input data foundation of other views to create financial reports which require comparisons and detailed analysis regarding account balances.

Input Parameter

P_AddVoucher: A mandatory parameter used to determine whether to include the journal vouchers in the calculations. "Y" represents YES: include the journal vouchers; "N" represents NO: do not include the journal vouchers.

P_ToDate: A mandatory parameter used to set the end date of a random time period of journal entry or document postings. The output data whose posting dates are included in this time period is displayed. Specify the value in the "YYYY-MM-DD" format.

Data Coverage

The GLAccountBalance view retrieves data from the following views:

Name	Description
fin.JournalEntryVoucherItem View	See the *Description* section of the JournalEntryVoucherItem View.

8.2.3.12   GLAccountInFinancialPeriod View

Description

The GLAccountInFinancialPeriod view collects data items from the G/L account codes and the posting period master data.

Use Case

As a reuse view, the GLAccountInFinancialPeriod view can be used as the input data foundation of other views to create reports which require comparison and detailed analysis regarding financial periods.

Data Coverage

The GLAccountInFinancialPeriod view retrieves data from the following views.

Name	Description
adm.GLAccount View	See the *Description* section of the GLAccount View.
adm.FinancialPeriod View	See the *Description* section of the FinancialPeriod View.

8.2.3.13   GLAccountPeriodAmount View

Description

The GLAccountPeriodAmount view collects data items from the G/L account codes and the financial period defined in the database.

Use Case

As a reuse view, the GLAccountPeriodAmount view can be used as the input data foundation of other views to create reports which require comparison and detailed analysis regarding financial periods.

Input Parameter

P_AddVoucher: A mandatory parameter used to determine whether to include the journal vouchers in the calculations. "Y" represents YES: include the journal vouchers; "N" represents NO: do not include the journal vouchers.

Date Coverage

The GLAccountPeriodAmount view retrieves data from the following views:

Name	Description
fin.JournalEntryVoucherItem View	See the *Description* section of the JournalEntryVoucherItem View.
adm.FinancialPeriod View	See the *Description* section of the FinancialPeriod View.

8.2.3.14   GLAccountPeriodAmountQuery View

Description

The GLAccountPeriodAmountQuery view collects the dimensional data items about G/L accounts, financial periods and the account levels. It can calculate the posted amounts of the G/L accounts in the dimensions mentioned above.

Use Case

With this query view, report authors can achieve the comprehensive analytical reports that consider the differences between different financial periods, and the report results can be further broken down into detailed information according to the account levels that users want to analyze.

Input Parameter

P_AddVoucher: A mandatory parameter used to determine whether to include the journal vouchers in the calculations. "Y" represents YES: include the journal vouchers; "N" represents NO: do not include the journal vouchers.

Data Coverage

The GLAccountPeriodAmountQuery view retrieves data from the following views:

Name	Description
fin.mgmt.GLAccountPeriodAmount View	See the *Description* section of the AccountReceivablePayableItem View.
fin.mgmt.GLAccountInFinancialPeriod View	See the *Description* section of the GLAccountInFinancialPeriod View.
adm.GLAccount View	See the *Description* section of the GLAccount View.
adm.GLAccountLevel View	See the *Description* section of the GLAccountLevel View.
adm.FinancialPeriod View	See the *Description* section of the FinancialPeriod View.

8.2.3.15   GLAccountPeriodBalance View

Description

The GLAccountPeriodBalance view collects only 3 data items, the G/L account codes, the financial period codes and the fiscal years. It calculates the balance of the account at specific dates.

Use Case

As a simple reuse view, the GLAccountPeriodBalance view can be used as the input data foundation of other views to create financial reports which require comparisons and detailed analysis regarding account balances.

Input Parameter

P_AddVoucher: A mandatory parameter used to determine whether to include journal vouchers in the calculations. "Y" represents YES: include the journal vouchers; "N" represents NO: do not include the journal vouchers.

Data Coverage

The GLAccountPeriodBalance view retrieves data from the following views:

Name	Description
fin.mgmt.GLAccountPeriodAmount View	See the *Description* section of the GLAccountPeriodAmount View.
fin.mgmt.GLAccountInFinancialPeriod View	See the *Description* section of the GLAccountInFinancialPeriod View.

8.2.3.16 GLAccountPeriodBalanceQuery View

Description

The GLAccountPeriodBalanceQuery view collects the dimensional data items about G/L accounts, financial periods and account levels. It can calculate the balances of the G/L accounts in the dimensions mentioned above.

Use Case

With this query view, report authors can achieve the comprehensive analytical reports about account balances that consider the differences between different financial periods, and the report results can be further broken down to detailed information according to the account levels that users want to analyze.

Input Parameter

P_AddVoucher: A mandatory parameter used to determine whether to include journal vouchers in the calculations. "Y" represents YES: include the journal vouchers; "N" represents NO: do not include the journal vouchers.

Data Coverage

The GLAccountPeriodBalanceQuery view retrieves data from the following views:

Name	Description
fin.mgmt.GLAccountPeriodBalance View	See the *Description* section of the AccountReceivablePayableItem View.
adm.FinancialPeriod View	See the *Description* section of the FinancialPeriod View.
adm.GLAccountLevel View	See the *Description* section of the GLAccountLevel View.
adm.GLAccount View	See the *Description* section of the GLAccount View.

8.2.3.17 JournalEntryHeader View

Description

The JournalEntryHeader view collects the data and information from the journal entry header area. Therefore, this view includes only attributes.

Use Case

The JournalEntryHeader, as a reuse view, provides the data that is stored in the A/R invoice header to any views that need this information to form a more comprehensive picture for users, to design and create relevant reports.

Data Coverage

The JournalEntryHeader view retrieves data from the following tables:

Name	Description
OJDT	A table that maps to the *Journal Entry* window in SAP Business One, and contains the information in the *Journal Entry* header.

8.2.3.18 SubLedgerQuery View

Description

The SubLedgerQuery view is a comprehensive view that collects dimensional data items about G/L accounts, journal entries, business partners, cost accounting, document types, and so on. It enables users to calculate and analyze the actual amounts, accumulated amounts, and the balances of both the G/L accounts and the business partner accounts.

Use Case

This view enables report authors to design, create, and analyze the accounting records posted to both the G/L accounts and the business partner accounts. The output results can be presented in dimensions such as posting dates and account levels. It allows report authors to calculate the balances of the accounts at specific dates, the accumulated amounts during specific periods, and the posting amounts on credit and debit sides.

Input Parameter

P_AddVoucher: A mandatory parameter used to determine whether to include the journal vouchers in the calculations. "Y" represents YES: include the journal vouchers; "N" represents NO: do not include the journal vouchers.

P_FromDate: A mandatory parameter used to set the start date of a random time period of journal entry or document postings. The output data whose posting dates are included in this time period is displayed. Specify the value in the "YYYY-MM-DD" format.

P_ToDate: A mandatory parameter used to set the end date of a random time period of journal entry or document postings. The output data whose posting dates are included in this time period is displayed. Specify the value in the "YYYY-MM-DD" format.

Data Coverage

The SubLedgerQuery view retrieves data from the following views:

Name	Description
fin.JournalEntryVoucherItem View	See the *Description* section of the JournalEntryVoucherItem View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.GLAccount View	See the *Description* section of the GLAccount View.
adm.ProjectCode View	See the *Description* section of the ProjectCode View.
adm.FinancialPeriod View	See the *Description* section of the FinancialPeriod View.
adm.CalendarDate View	See the *Description* section of the CalendarDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
fin.mgmt.GLAccountBalance View	See the *Description* section of the GLAccountBalance View.
fin.mgmt.BusinessPartnerBalance View	See the *Description* section of the BusinessPartnerBalance View.

8.2.3.19   TaxDataItem View

Description

The TaxDataItem view collects the dimensional data of the taxable items that are recorded in transactions. It calculates the tax related values of the taxable items. The results can be displayed in both the local currency and the system currency. The following list provides some examples of tax related values:

- Tax bases
- VAT amounts
- Tax deduction amounts
- Equalization tax amounts

Use Case

Most items that a company purchases or sells are taxable. For these taxable items, the taxation information is recorded in each individual transaction.

The TaxDataItem view is used to get detailed taxation information about these taxable items. This view can be used as the input data foundation to design and create any kind of tax related reports, such as the EU sales reports and the VAT reports.

Data Coverage

The TaxDataItem view retrieves data from the following tables:

Name	Description
OTAX	A table in the database of SAP Business One which stores general information about taxable items.
	Information stored in this table is usually collected from the header of the source documents of the tax data, such as tax rates, source documents, document dates, and so on.
TAX1	A table in the database of SAP Business One which stores detailed information about the taxable items.
	Information stored in this table is usually collected from the table area of the source documents of the tax data, such as tax accounts, taxable amounts, whether the tax is posted to the debit or credit side, tax amounts, and so on.

8.2.3.20   TaxReportDetail View

Description

The TaxReportDetail view collects data items from the transactions where tax items that are subject to the jurisdiction tax system are involved. It calculates the tax related values of the taxable items. The results can be displayed in both the local currency and the system currency. The following list provides some examples of tax related values:

- Taxable amounts
- Tax amounts
- Equalization tax amounts

Use Case

The TaxReportDetail view is used to get detailed taxation information about taxable items that are subject to the jurisdiction tax system. This view can be used as the input data foundation to design and create any kind of tax related reports for the jurisdiction tax system.

Data Coverage

The TaxReportDetail view retrieves data from the following views:

Name	Description
fin.mgmt.TaxDataItem View	See the *Description* section of the TaxDataItem View.
adm.TaxJurisdiction View	See the *Description* section of the TaxJurisdiction View.
adm.MarketingDocument View	See the *Description* section of the MarketingDocument View.

8.2.3.21   TaxReportQuery View

Description

The TaxReportQuery view collects tax related data items from sales and purchasing invoices. It provides dimensions to break down the information to dimensions such as business partners and tax types.

Use Case

In practice, taxation of items is mainly realized from purchasing activities, sales activities and production activities. Inevitably, the business partners are closely linked to the taxable items. Dealing with vendors in different industries and regions means that the company needs to purchase items with different tax rates. Similarly, sales tax rates may differ for different sales activities.

The TaxReportQuery view is used to design and create reports to analyze the differences and influences on tax data of different business partners and different tax systems.

Data Coverage

The TaxReportQuery view retrieves data from the following views:

Name	Description
fin.mgmt.TaxReportDetail View	See the *Description* section of the TaxReportDetail View.
adm.GLAccountType View	See the *Description* section of the GLAccountType View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.

8.2.3.22 TransactionalJournalQuery View

Description

The TransactionalJournalQuery view is a comprehensive view that collects data items from journal transactions, including business partner information. It calculates the required transactional information with different dimensions or dimension combinations, and the results can be presented in different perspectives, as needed.

Use Case

This query view lets users generate reports based on the calculations of this data, so that predictive and comparison reports are presented in a thorough manner, with sufficient flexibility to provide users multiple perspectives to analyze the company's transactional data. It helps to build an accurate picture of the company's daily operations, enabling management to take necessary actions to adjust operating strategies and improve the company's profitability.

Input Parameter

P_AddVoucher: A mandatory parameter used to determine whether to include the journal vouchers in the calculations. "Y" represents YES: include the journal vouchers; "N" represents NO: do not include the journal vouchers.

P_FromDate: A mandatory parameter used to set the start date of a random time period of journal entry or document postings. The output data whose posting dates are included in this time period is displayed. Specify the value in the "YYYY-MM-DD" format.

P_ToDate: A mandatory parameter used to set the end date of a random time period of journal entry or document postings. The output data whose posting dates are included in this time period is displayed. Specify the value in the "YYYY-MM-DD" format.

Data Coverage

The TransactionalJournalQuery view retrieves data from the following views:

Name	Description
fin.JournalEntryVoucherItem View	See the *Description* section of the JournalEntryVoucherItem View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.GLAccount View	See the *Description* section of the GLAccount View.
adm.ProjectCode View	See the *Description* section of the ProjectCode View.
adm.FinancialPeriod View	See the *Description* section of the FinancialPeriod View.
adm.CalendarDate View	See the *Description* section of the CalendarDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.

8.2.3.23 VATReportDetail View

Description

The VATReportDetail view collects data items from the transactions in which tax items subject to value added tax are involved. It calculates the taxable amounts, tax amounts, and equalization tax amounts and displays the results in both the system currency and the local currency.

Use Case

The VATReportDetail view is used to get detailed taxation information about taxable items that are subject to value added tax. This view can be used as the input data foundation to design and create any kind of reports that require value added tax analysis.

Data Coverage

The VATReportDetail view retrieves data from the following tables:

Name	Description
adm.MarketingDocument View	See the *Description* section of the MarketingDocument View.
adm.TaxGroup View	See the *Description* section of the TaxGroup View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.Country View	See the *Description* section of the Country View.
adm.GLAccountType View	See the *Description* section of the GLAccountType View.
adm.Warehouse View	See the *Description* section of the Warehouse View.
adm.InternalReconciliation View	See the *Description* section of the InternalReconciliation View.
fin.mgmt.JournalEntryHeader View	See the *Description* section of the MarketingDocument View.
fin.mgmt.ARInvoiceHeader View	See the *Description* section of the ARInvoiceHeader View.
fin.JournalEntryItem View	See the *Description* section of the JournalEntryItem View.
bank.IncomingOutgoingPayment View	See the *Description* section of the IncomingOutgoingPayment View.
bank.ChecksPayment View	See the *Description* section of the ChecksPayment View.
bank.DepositHeader View	See the *Description* section of the DeporsitHeader View.
bank.TemporaryDepositHeader View	See the *Description* section of the TemporaryDepositHeader View.
stock.WarehouseTransferLineItem View	See the *Description* section of the WarehouseTransferLineItem View.

8.2.3.24 VATReportQuery View

Description

The VATReportQuery view collects tax related data items from sales and purchasing invoices. It provides dimensions to break down the information to dimensions such as business partners and tax groups.

Use Case

In practice, the value added tax takes place in both purchasing activities and sales activities. Inevitably, the business partners are closely linked to the value added tax. Dealing with vendors in different industries and regions means that the company needs to purchase items with different output VAT rates. Similarly, the input VAT rates may differ in different sales activities.

The VATReportQuery view is a comprehensive query view used to design and create reports to analyze the value added tax taking place in the company, considering the influences of different business partners and different tax groups.

Data Coverage

The VATReportQuery view retrieves data from the following views:

Name	Description
fin.mgmt.VATReportDetail View	See the *Description* section of the VATReportDetail View.

8.2.4 Other Views

8.2.4.1 CashFlowStatementItem View

Description

The CashFlowStatementItem view collects data items from the cash flow related financial report templates and the cash flow line items defined in the database. It calculates the accumulated amounts of the template items in specified periods.

Use Case

The CashFlowStatementItem view inherits the mapping relations and the calculation logic that are included in the financial report templates. As a reuse view, it is often used as the input data foundation of other views for cash flow related reports and the financial KPI related analysis.

Input Parameters

P_TemplateInternalKey: A mandatory parameter used to determine the financial report template based on which you want to calculate the cash flow statement.

P_FromDate: A mandatory parameter used to set the start date of a time period in which you want to calculate the cash flow statement. Specify the value in the "YYYY-MM-DD" format.

P_ToDate: A mandatory parameter used to set the end date of a time period in which you want to calculate the cash flow statement. Specify the value in the "YYYY-MM-DD" format.

Data Coverage

The CashFlowStatementItem view retrieves data from the following tables and views:

Name	Description
JDT1	A table that maps to the *Journal Entry* window in SAP Business One, and contains the information in the *Journal Entry* table.
OCFT	A table that maps to the *Cash Flow* window in SAP Business One, and contains the information in the *Cash Flow* header.
fin.FinancialTemplateHierarchy View	See the *Description* section of the FinancialTemplateHierarchy View.

8.2.4.2   FinancialTemplateHierarchy View

Description

The FinancialTemplateHierarchy view collects data items from the G/L accounts to reflect the hierarchy relations they have according to the financial report templates defined in the database.

Use Case

The FinancialTemplateHierarchy view inherits the mapping hierarchy relations and the calculation logics that are included in the financial report templates. As a reuse view, it is used as an input data foundation of other views to create the balance sheet, P&L and cash flow related reports, and to achieve the financial KPI related analysis, as well.

Input Parameter

P_TemplateInternalKey: A mandatory parameter used to determine the financial report template based on which you want to calculate the financial statements.

Data Coverage

The FinancialTemplateHierarchy view retrieves data from the following tables:

Name	Description
OFRC	A table that maps to the *Financial Report Templates* window in SAP Business One.
FRC1	A table that maps to the *Financial Report Templates* window in SAP Business One, which contains the mapping relation between the template items and the G/L accounts linked to them.
OACT	A table that maps to the *Chart of Accounts* window in SAP Business One.

8.2.4.3   JournalEntryItem View

Description

The JournalEntryItem view is a reuse view which collects data items from the journal entry table area. It allows users to generate reports based on the calculations of this data, so that comprehensive reports are presented with sufficient flexibility to give users a true picture of the company's accounting records and information.

The JournalEntryItem view is a fundamental view in the financial module. The calculations of many other views are built upon it.

Use Case

With the JournalEntryItem view, you can calculate required accounting information with different dimensions or dimension combinations, and you can present the results on different levels, as needed.

Following are some examples of what you can do using the JournalEntryItem view:

- Project related data:
  - Calculate the total posted debit amount in a project
  - Calculate the posted debit amount broken down to each G/L account in a project
  - Calculate both the posted debit amount and the debit balance amount due broken down to each G/L account in a project
- Business partner related data:
  - Calculate the account receivable of a customer or all the customers

- o Calculate the account receivable of a customer and present the results broken down to different financial periods
- o Calculate the account payable of the vendors in different financial periods and present the results broken down to different projects

Data Coverage

The JournalEntryItem view retrieves data from the following tables:

Name	Description
OJDT	A table that maps to the *Journal Entry* window in SAP Business One, and contains the information in the *Journal Entry* header.
JDT1	A table that maps to the *Journal Entry* window in SAP Business One, and contains the information in the *Journal Entry* table.

8.2.4.4   JournalEntryVoucherItem View

Description

The JournalEntryVoucherItem view is a reuse view which collects data items from the table area of both journal entries and journal vouchers. It allows users to generate reports based on the calculations of this data, so that predictive and comparison reports are presented in a comprehensive way, with sufficient flexibility to give users a true picture of the company's accounting records and information.

The JournalEntryItemview is a fundamental view in the financial module. The calculations of many other views are built upon it.

Use Case

With this view, report authors can generate pretty much the same analytical reports as they can with the JournalEntryItem view (described in section 7.2.47),with the addition of the option to choose whether or not to include journal vouchers in the report results.

Input Parameter

P_AddVoucher: A mandatory parameter used to determine whether to include journal vouchers in the calculations. "Y" represents YES: include the journal vouchers; "N" represents NO: do not include the journal vouchers.

Data Coverage

The JournalEntryVoucherItem view retrieves data from the following views:

Name	Description
fin.JournalEntryItem View	See the *Description* section of the JournalEntryItem View.
fin.JournalVoucherItem View	See the *Description* section of the JournalVoucherItem View.

8.2.4.5   JournalVoucherItem View

Description

The JournalVoucherItem view is a reuse view which collects data items from the table area of the journal voucher.

Use Case

It allows users to design and generate reports based on the calculations of the journal voucher data, so that predictive reports are presented with sufficient flexibility. It can help users to make better decisions about how to distribute costs or expenses more legitimately.

Data Coverage

The JournalVoucherItem view retrieves data from the following tables:

Name	Description
OBTF	A table that maps to the *Journal Voucher Entry* window in SAP Business One, and contains the information in the *Journal Voucher Entry* header.
BTF1	A table that maps to the *Journal Voucher Entry* window in SAP Business One, and contains the information in the *Journal Voucher Entry* table.

8.2.4.6   JournalVoucherPeriodCode View

Description

The JournalVoucherPeriod view collects data items from journal vouchers and financial period master data.

Use Case

As a reuse view, the JournalVoucherPeriod view can be used as the input data foundation of other views to create financial reports requiring comparisons and detailed analysis based on journal voucher data, and regarding financial periods.

Data Coverage

The JournalVoucherPeriod view retrieves data from the following tables:

Name	Description
BTF1	A table that maps to the *Journal Voucher Entry* window in SAP Business One, and contains the information in the *Journal Voucher Entry* table.
OFPR	A table that maps to the *Posting Period* window in SAP Business One.

8.2.4.7   KPIBalanceSheetQuery View

Description

The KPIBalanceSheetQuery view collects data items about the KPI factors and the financial report templates. It calculates the values of the KPI factors which are linked to the balance sheet templates defined in the database.

Use Case

Report authors can use this view to calculate the values of the KPIs that are related to the balance sheet. The calculation results, combined with the KPI factors that are linked to other financial report templates, can be further used to model the financial or operation ratios of the company, for performance analysis purposes.

Input Parameter

P_TemplateInternalKey: A mandatory parameter used to determine the financial report template based on which you want to calculate the balance sheet.

P_ToDate: A mandatory parameter used to determine the date on which you want to calculate the balance sheet. Specify the value in the "YYYY-MM-DD" format.

Data Coverage

The KPIBalanceSheetQuery view retrieves data from the following views:

Name	Description
adm.KPIFactorItem View	See the *Description* section of the KPIFactorItem View.
fin.fi.BalanceSheetItem View	See the *Description* section of the BalanceSheetItem View.

8.2.4.8   KPICashFlowStatementQuery View

Description

The KPICashflowStatementQuery view collects data items about the KPI factors and the financial report templates. It calculates the values of the KPI factors which are linked to the cash flow statement templates defined in the database.

Use Case

Report authors can use this view to calculate the values of the KPIs that are related to the cash flow statement. The calculation results, combined with the KPI factors that are linked to other financial report templates, can be further used to model the financial or operation ratios of the company, for performance analysis purposes.

Input Parameter

P_TemplateInternalKey: A mandatory parameter used to determine the financial report template based on which you want to calculate the cash flow statement.

P_FromDate: A parameter used to determine the start date of the time period in which you want to calculate the cash flow statement. Specify the value in the "YYYY-MM-DD" format.

P_ToDate: A parameter used to determine the end date of the time period in which you want to calculate the cash flow statement. Specify the value in the "YYYY-MM-DD" format.

Data Coverage

The KPICashflowStatementQuery view retrieves data from the following views:

Name	Description
adm.KPIFactorItem View	See the *Description* section of the KPIFactorItem View.
fin.fi.CashFlowStatementItem View	See the *Description* section of the CashFlowStatementItem View.
adm.FinancialTemplateItem View	See the *Description* section of the FinancialTemplateItem View.

8.2.4.9   KPIProfitAndLossQuery View

Description

The KPIProfitAndLossQuery view collects data items about the KPI factors and the financial report templates. It calculates the values of the KPI factors which are linked to the profit and loss templates defined in the database.

Use Case

Report authors can use this view to calculate the values of the KPIs that are related to the profit and loss statement. The calculation results, combined with the KPI factors that are linked to other financial report templates, can be further used to model the financial or operation ratios of the company, for performance analysis purposes.

Input Parameter

P_TemplateInternalKey: A mandatory parameter used to determine the financial report template based on which you want to calculate the profit and loss statement.

P_FromDate: A parameter used to determine the start date of the time period in which you want to calculate the profit and loss statement. Specify the value in the "YYYY-MM-DD" format.

P_ToDate: A parameter used to determine the end date of the time period in which you want to calculate the profit and loss statement. Specify the value in the "YYYY-MM-DD" format.

Data Coverage

The KPIProfitAndLossQuery view retrieves data from the following views:

Name	Description
adm.KPIFactorItem View	See the *Description* section of the KPIFactorItem View.
fin.ProfitLossStatementItem View	See the *Description* section of the ProfitLossStatementItem View.

8.2.4.10   ProfitLossStatementItem View

Description

The ProfitLossStatementItem view collects data items from the profit and loss related financial report templates and the template line items defined in the database. It calculates the accumulated amounts of the template items in specified periods.

Use Case

The ProfitLossStatementItem view inherits the mapping relations and the calculation logics that are included in the financial report templates. As a reuse view, it is often used as the input data foundation of other views for profit and loss related reports and the financial KPI related analysis.

Input Parameter

P_TemplateInternalKey: A mandatory parameter used to determine the financial report template based on which you want to calculate the profit and loss statement.

P_FromDate: A mandatory parameter used to determine the start date of the time period in which you want to calculate the profit and loss statement. Specify the value in the "YYYY-MM-DD" format.

P_ToDate: A mandatory parameter used to determine the end date of the time period in which you want to calculate the profit and loss statement. Specify the value in the "YYYY-MM-DD" format.

Data Coverage

The ProfitLossStatementItem view retrieves data from the following tables and views:

Name	Description
JDT1	A table that maps to the *Journal Entry* window in SAP Business One, and contains the information in the *Journal Entry* table.
fin.FinancialTemplateHierarchy View	See the *Description* section of the FinancialTemplateHierarchy View.

9 Stock Module

9.1 Module Introduction

The stock module currently includes the WarehouseTransferLineItem view to support the VATReportDetail view.

9.2 Views in the Stock Module

Note that any view whose name ends with the word "Query" is a query view; otherwise, it is a reuse view.
The view included in the stock module is introduced as follows:

9.2.1 Scenario: Inventory Status Analysis

Description

The InventoryStatusFact view and InventoryStatusQuery view contain item quantity and value related information in different inventory statuses.

Use Case

This view helps users in logistic roles to check inventory status in a timely fashion, either by item group or by warehouses. With the InventoryStatusFact view and InventoryStatusQuery view, users can get required information about items in different inventory statuses. Such information is commonly required for inventory management purposes, and can also be further used to support purchase and sales planning.

The following inventory statuses are supported:

- In Stock
- Committed
- Ordered
- Available

Data Coverage

The InventoryStatusFact view retrieves data from the following tables:

Name	Description
OITW	A table that maps to the *Item Master Data* window in SAP Business One and contains information in the *Warehouse* table on the *Inventory Data* tab.
OITM	A table that maps to the *Item Master Data* window in SAP Business One and contains the information in the *Item Master Data* header.
OWHS	A table that maps to the *Warehouse - Setup* window in SAP Business One.

The InventoryStatusQuery view retrieves data from the following views:

Name	Description
stock.InventoryStatusFact View	See the *Description* section of the Scenario: Inventory Status Analysis.
adm.Item View	See the *Description* section of the Item View.
adm.Warehouse View	See the *Description* section of the Warehouse View.

9.2.2   Scenario: Inventory Transaction Documents

Description

The InventoryTransactionDocumentsFact view and InventoryTransactionDocumentsQuery view cover data of all documents and transactions that result in movements in either item quantities or item values. They join dimensional information such as item, business partners, warehouse, and document type, as well as aggregate numeric values, for instance, quantity and value of inbound inventories, and quantity and value of outbound inventories. This scenario focuses on inventory analysis from the perspective of source document/transaction type.

Use Case

The InventoryTransactionDocumentsFact view and InventoryTransactionDocumentsQuery view can be used to conduct inventory analysis according to the transaction or document that results in inventory movement. They can also be used as the input data foundation of other views that are built for inventory-related analysis.

Data Coverage

The InventoryTransactionDocumentsFact view retrieves data from the following tables:

Name	Description
OIVL	A table shipped by the HANA database. It stores data records that include items valuation information; the records are generated

Name	Description
	according to the lines in the source documents or transactions that result in changes in item value.
IVL1	A table shipped by the HANA database that contains detailed information of each data record stored in the OIVL table.
OITM	A table that maps to the *Item Master Data* window in SAP Business One and contains the information in the *Item Master Data* header.
OBVL	A table shipped by the HANA database. It stores data records that include item valuation information; the records are generated according to the lines in the source documents or transactions that result in changes in item value. **i** Note This table records information only for items that use the *Serial/Batch Valuation Method*.
OILM	A table shipped by the HANA database. It stores data that records the changes in item quantity and item value, according to the lines in the source documents or transactions that result in the changes.
OFPR	A table that maps to the *Posting Period* window in SAP Business One.
OUSR	A table that maps to the *Users - Setup* window in SAP Business One.

The InventoryTransactionDocumentsQuery view retrieves data from the following views:

Name	Description
stock.InventoryTransactionDocumentsFact View	See the *Description* section of the Scenario: Inventory Transaction Documents.
adm.SystemDate View	See the *Description* section of the SystemDate View.
adm.PostingDate View	See the *Description* section of the PostingDate View.
adm.DocumentType View	See the *Description* section of the DocumentType View.
adm.Item View	See the *Description* section of the Item View.
adm.Warehouse View	See the *Description* section of the Warehouse View.
adm.ProjectCode View	See the *Description* section of the ProjectCode View.
adm.BusinessPartner View	See the *Description* section of the BusinessPartner View.
adm.FinancialPeriod View	See the *Description* section of the FinancialPeriod View.

9.2.3   WarehouseTransferLineItem

Description

The WarehouseTransferLineItem view collects data items from the warehouse transfer master data.

Use Case

The WarehouseTransferLineItem view is a reuse view. With it, you can retrieve all the data and transactions regarding the items that are transferred between the company's warehouses. This view can be combined with the business partner related views as well, to represent the data and transactions about the items for consignment sales, which are transferred to the customer's warehouses and are sold from there.

Data Coverage

The WarehouseTransferLineItem view retrieves data from the following tables:

Name	Description
OWTR	A table that maps to the *Inventory Transfer* window in SAP Business One, and contains information in the *Inventory Transfer* header.

10 Additional Information

Besides the views embedded in the modules that we mentioned above, we also provide some other views that are not directly allocated into specific modules.

Currently, we provide the following views:

- 27 attribute views organized into the *Attribute Views* folder
- 2 analytic views organized into the *Analytic Views* folder
- 3 calculation views organized into the *Calculation Views* folder

For more information about view attributes and measures, please refer to <<Semantic Layer Model Package Reference>>.