

# IBM® Cognos® 8 Financial Performance Receivables Analytics for Oracle® E-Business Suite

**USER GUIDE**



## Product Information

This document applies to IBM® Cognos® 8 Financial Performance Version 8.3 and may also apply to subsequent releases. To check for newer versions of this document, visit the Cognos Software Services Web site (<http://support.cognos.com>).

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# Introduction

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Cognos 8 Analytic Applications is used to report on and analyze business processes. It contains prepackaged business content that can be used to analyze your current business activities and that can be shaped to meet your reporting requirements for business intelligence. Analytic Applications uses the metadata in your Enterprise Resource Planning (ERP) system to answer key business questions based on proven business practices.

This document introduces the business content that is delivered with General Ledger Analytics.

## Audience

To use this guide, you should be familiar with

- database and data warehouse concepts

## Related Documentation

Our documentation includes user guides, readmes, and other materials to meet the needs of our varied audience. The following documents contain related information and may be referred to in this document. If you receive an error message when you click a document name, consult your administrator. You may be trying to open a document for an application that you have not installed.

Document	Description
Cognos 8 Analytic Applications Installation and Configuration Guide	Installing, upgrading, configuring, and testing Cognos 8 Analytic Applications
Cognos 8 Administration and Security Guide	Managing servers, security, reports, and portal services; setting up Cognos samples; troubleshooting; and customizing Cognos 8
Framework Manager User Guide	Creating and publishing models using Framework Manager
Adaptive Warehouse User Guide	Designing and populating a data warehouse that is used by Analytic Applications
Adaptive Analytics User Guide	Exploring and customizing the content included with Adaptive Analytics, and deploying the reports to report consumers

## Finding Documentation

Product-specific documentation is available in online help from the **Help** menu or button in Cognos products.

You can also read PDF versions of the product readme files and installation guides directly from Cognos product CDs.

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# Chapter 1: IBM Cognos 8 Financial Performance

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IBM Cognos 8 Financial Performance is part of the analytic applications group of products, used to report on and analyze business processes. It contains prepackaged business content that you use to analyze your current business activities and that you can customize to meet your reporting requirements for business intelligence. Analytic applications use the metadata in your enterprise resource planning (ERP) system to answer key business questions based on proven business practices.

## Components of Cognos 8 Analytic Applications

Cognos 8 Analytic Applications includes the following components:

- [Business Content](#), which is designed for your application
- [Adaptive Warehouse](#), which allows you to create and manage a data warehouse
- [Adaptive Analytics](#), which allows you to generate reports
- [Cognos 8 Runtime Components](#), which allow Cognos 8 Analytic Applications to run on the same foundation as other Cognos 8 components

### Business Content

You can use the business content supplied with your application to analyze your business activities and to meet your reporting requirements. It incorporates proven business practices which you can use with the metadata in your ERP system to answer key business questions.

To successfully deploy this application, we recommend that you review the business content, how it is delivered, and how you can implement it in your organization.

### Adaptive Warehouse

Adaptive Warehouse is a data-modeling environment for designing and populating a target data warehouse. It provides an interface that facilitates the extraction, transformation, and loading of application-specific data from an ERP source into the target data warehouse. It serves as the core of the application installation, configuration, and maintenance process.

Adaptive Warehouse includes

- source mappings to supported ERP source systems
- prepackaged metadata for configuring and creating a multidimensional data warehouse that supports business analysis of the application content areas
- prepackaged metadata for automatically creating a Cognos 8 Framework Manager model to support the Adaptive Analytics reports for standard installations

For more information, see the *Adaptive Warehouse User Guide*.

## Adaptive Analytics

Adaptive Analytics is the report-generation component of Cognos 8 Analytic Applications. It allows information modelers to create and administer reports and analyses for business users faster and simpler. Your application includes a set of reports for performance monitoring, analysis, and operational reporting. Role-based report layouts allow you to quickly start analyzing the data in your warehouse for each application.

Before you can generate reports, you must create and publish the warehouse model.

For more information, see the Adaptive Analytics *User Guide*.

## Cognos 8 Runtime Components

Cognos 8 Analytic Applications runs on the same foundation components as other Cognos 8 applications.

Cognos 8 Analytic Applications uses the following Cognos 8 runtime components:

- Cognos Connection is the Web portal for Cognos 8. It provides a single access point to corporate data. It also provides a single point of entry for querying and organizing data. Users can run all their Web-based Cognos 8 applications through Cognos Connection. You can integrate other business intelligence applications, and URLs to other applications with Cognos Connection.
- Cognos Viewer is a portlet where you can view and interact with any type of published Cognos content. It is accessible through Cognos Connection and supported enterprise portals.
- Cognos Configuration, which configures Cognos 8, and starts and stops its services.
- A gateway is an extension of a Web server program that transfers information from the Web server to another server.
- Content Manager is the Cognos 8 service that manages the storage of Cognos data, including security, server configuration data, packages, and models.

## Getting Started with Cognos 8 Analytic Applications

We recommend that you implement Cognos 8 Analytic Applications in three stages.

Use the following process:

- ❑ Install and configure all the components of Cognos 8 Analytic Applications and deploy the initial business content and reports (p. 13).
- ❑ Configure your business content and deploy reports to users (p. 13).
- ❑ Enhance your business content to meet on going analysis requirements in your organization (p. 15).

## Installing and Configuring for Initial Deployment

The first stage of implementing Cognos 8 Analytic Applications is to install and configure all the components included with the application. This allows you to get the application working with the initial content provided by Cognos.

Use the following checklist to guide you through the installation tasks:

- Create databases for your content store and data warehouse.
- Install Cognos 8 Runtime (or a full Cognos 8 application, depending on which Cognos products you purchased).
- Install Cognos 8 Analytic Applications and install the business content files for your ERP system.

For more information about each task, see the Cognos 8 Analytic Applications *Installation and Configuration Guide*.

Use the following checklist to guide you through the configuration tasks for Adaptive Warehouse:

- In Cognos 8, create data source connections to your data warehouse database and ERP system.
- In Adaptive Warehouse, import business content from a content library.
- In Adaptive Warehouse, run load management to extract, transform, and load data from the ERP system and other data sources into your data warehouse.

For more information about each task, see the Adaptive Warehouse *User Guide*.

Use the following checklist to guide you through the configuration tasks for Adaptive Analytics:

- Import business content from a content library.
- Deploy and publish your reports.
- Run your reports from Cognos 8.

After you install the application, you are ready to configure your business content for your organization's needs. For more information about each task, see the Adaptive Analytics *User Guide*.

## Configuring Your Business Content

Cognos 8 Analytic Applications are prepackaged with many business metrics, business views (hierarchies), analytic reports, and operational reports. The adaptive nature of the application allows you to easily configure reports and deploy them to users within your organization.

After you install Cognos 8 Analytic Applications, we recommend that you configure your business content by implementing an initial set of metric types and reports.

Use the following checklist to guide you through the business content configuration tasks:

- Determine the metric types to include in the first stage of implementation ([p. 14](#)).
- Review and understand the business rules required to support the metrics selected ([p. 14](#)).
- In Adaptive Warehouse, configure the business rules([p. 14](#)).
- In Adaptive Analytics, configure the initial set of analytic and operational reports ([p. 14](#)).

- ❑ Using Adaptive Analytics, publish reports to a test environment (p. 15).
- ❑ Using Adaptive Analytics, publish reports to a production environment (p. 15).

### Determining the Metric Types to Include

Review the complete list of metric types that are delivered with the application and decide which ones to implement. A metric type contains measures. A measure is mapped to one of the following value types: actual, target, or forecast. For example, the metric type `salary` can contain measures for actual salary, target salary, and forecast salary.

### Reviewing and Understanding the Prepackaged Business Rules

After you determine which metric types you want to include, we recommend that you review and understand the predefined business rules for these metric types.

Business rules are a combination of calculations and other data transformations that occur in Adaptive Warehouse. Calculations use attributes in the model and multipliers, which in turn have calculations and associated data transformations that ultimately link to the source ERP system data. To understand the business rules for metric types, review their derivation (or calculation) in the target model and review the multipliers that they use.

After reviewing the predefined business rules, determine if these rules are appropriate for your organization or if configuration changes are required.

If you need more information about the business rules, you can explore the various objects in Adaptive Warehouse or use the lineage feature in Adaptive Analytics.

### Configuring Business Rules in Adaptive Warehouse

To change the predefined business rules for the metric types that you want to use

- configure the measures in Adaptive Warehouse
- configure the dimension multipliers used by the measures so that calculations are correct
- configure the user ranges that your organization uses
- load the data warehouse

For more information, see the Adaptive Warehouse *User Guide*.

### Configuring the Initial Set of Reports to Deploy

A set of analytic and operational reports is included in your application. A metric type is associated with one or more reports. When you implement a metric type, you have access to its associated reports.

In Adaptive Analytics, configure the initial set of analytic and operational reports to deploy with the metric types that you implemented. To do this, create a new table of contents and select the metric types. For a list of the reports and associated metric types, see .

Cognos provides reports for many of the metric types delivered with the application. We recommend that, as a starting point, you review these reports. To obtain the maximum value from your

application, we recommend that you review all the dimensional hierarchies (business views) delivered with the application and use the ones that provide the insight required.

For more information, see the Adaptive Analytics *User Guide*.

### **Publishing Reports to a Test Environment**

Using Adaptive Analytics, publish your reports to the Cognos Connection portal in a test environment. Review the report results and ensure that the business rule configuration was applied as desired.

For more information, see the Adaptive Analytics *User Guide*.

### **Publishing Reports to a Production Environment**

After you test the reports and, if required, reconfigure the business rules, use Adaptive Analytics to publish your reports to a production environment for users.

For more information, see the Adaptive Analytics *User Guide*.

## **Enhancing Your Business Content for On Going Deployments**

After you configure and run, and after you publish your preliminary set of reports, you are ready to respond to the next set of business reporting requirements.

A new set of business requirements necessitates the selection of another set of metrics and the definition of another set of reports. Enhancements to your business content can include changing calculations or adding additional metric types. For each on going deployment, we recommend that you follow the steps identified in "[Configuring Your Business Content](#)" (p. 13).

For more information about enhancing metric types, see the Adaptive Analytics *User Guide*.

### **Reviewing Your Changes by Using Lineage**

The reference material in this guide documents the prepackaged business content. However, as the application evolves and you customize business rules, you can use the lineage feature in Adaptive Analytics to keep track of the changes.

For more information, see the Adaptive Analytics *User Guide*.



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# Chapter 2: Receivables Analytics Business Content

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The Accounts Receivable department in an organization manages the outstanding payments from customers. While the sales department typically is responsible for making sales to the customer, the Accounts Receivable department sends the invoice to the customer, tracks the customer balance, approves credit, determines discount policy and receives payment from the customer. The accounts receivable function also acts as a subledger to the general ledger where the transactions are posted.

Receivables Analytics provides you with insight into the accounts receivables aspect of your business. It provides a comprehensive Adaptive Warehouse model which contains the measures, dimensions, hierarchies and attributes you need to analyze the financial transactions stored in your accounts receivables.

The Receivables Analytics application is designed to adapt to the uniqueness of your business by

- providing pre-configured analytic reports that provide out-of-the-box analysis of the accounts receivables for your business.

For a list of these reports, see ["Pre-configured Reports"](#) (p. 19).

- allowing you to modify pre-configured reports and add additional analytic reports, so that the reports can evolve with your business.

For information on how to configure reports, see the Adaptive Analytics User Guide.

For information on the content in the Adaptive Warehouse model, see ["Working with Content"](#) (p. 29).

## Areas of Analysis

In Receivables Analytics, reports are grouped into several areas of analysis. These areas of analysis are designed to answer a set of questions that are relevant to your business. Each area of analysis contains analysis packages, which group together a set of reports that provide insight into a specific area of your business.

The areas of analysis for Receivables Analytics include

- ["Cash Management"](#) (p. 18)
- ["Receivables Risk"](#) (p. 18)
- ["Adjustments"](#) (p. 18)
- ["AR Invoice Activity"](#) (p. 26)
- ["AR Aging"](#) (p. 26)

## Cash Management

Cash Management provides information to effect change to an organization's cash inflow strategies. The reports in this area of analysis answer the following business questions:

- What is the expected cash inflow based on due date?
- What is the expected cash inflow based on discount date?
- Do customers utilize terms discounts, and at what values?
- Does discount utilization follow a credit manager or a sales representative?
- Is there a trend in discounts offered?
- Is there a trend in discount utilization?

For more information on the reports for this area, see ["Cash Management"](#) (p. 19)

## Receivables Risk

Receivables Risk provides insight into the level of risk associated with outstanding accounts receivable. The reports in this area of analysis answer the following business questions:

- How much credit are we extending?
- Does the amount of credit we are extending vary across sales representatives, customers, Receivables Analysts, or customer types?
- Are bad debt expenses within expectation?
- Are we collecting outstanding receivables as they come due?
- How do current invoice amounts compare to current receivables balances?

For more information on the reports for this area, see ["Receivables Risk"](#) (p. 21)

## Adjustments

Adjustments provides insight into the adjustments that are made to receivables balances. The reports in this area of analysis answer the following business questions:

- What level of adjustments occur?
- Do adjustments follow a Receivables Analyst?
- Are adjustments due to bad debt?

For more information on the reports for this area, see ["Adjustments"](#) (p. 23)

## AR Invoice Activity

AR Invoice Activity provides information about the volume and value of invoices processed through accounts receivable.

- What is the weighted balance outstanding?

- Do we invoice too frequently?

For more information on the reports in this area, see "[AR Invoice Activity](#)" (p. 26).

## AR Aging

AR Aging highlights issues with collecting receivables in a timely manner by displaying how long invoices have been outstanding.

- Are we collecting outstanding receivables as they come due?
- Does aging vary by customer?

For more information on the reports in this area, see "[AR Aging](#)" (p. 26).

## Pre-configured Reports

The Receivables Analytics application includes a set of pre-configured analytic and operational (list style) reports within each of the areas of analysis. These reports utilize frequently used measures and hierarchies from the Adaptive Warehouse model.

The Receivables Analytics reports are grouped into analysis packages within each area of analysis to provide cross-functional insight based on various business segments.

The following sections list the pre-configured analytic reports for each area of analysis.

## Cash Management

The Cash Management reports are grouped into the following analysis packages:

- Cash Flow Analysis
- Terms Utilization

### Cash Flow Analysis

The reports in this package provide information about expected cash inflows, with the purpose of maintaining an adequate cash flow for your business.

Use this package to provide insight into the following types of questions:

- What is the expected cash inflow based on due date?
- What is the expected cash inflow based on discount date?

The following table lists the reports in the Cash Flow Analysis package.

Report name	Description	Measures	Hierarchies
Due Date Cash Inflow Forecast	Shows expected cash inflow assuming invoices will be paid in full on their due date.	Due Date Cash Inflow	Customer Due Date Cash Flow Ranges

Report name	Description	Measures	Hierarchies
Discount Date Cash Inflow Forecast	Shows expected cash inflow assuming invoices will be paid at their discount amount on their discount due date.	Discount Date Cash Inflow	Customer Discount Date Cash Flow Ranges

### Terms Utilization

The reports in this package provide information about whether the terms offered are being used effectively.

Use this package to provide insight into the following types of questions:

- Do customers utilize terms discounts, and at what values?
- Does discount utilization follow a credit manager or a sales representative?
- Is there a trend in discounts offered?
- Is there a trend in discount utilization?

The following table lists the reports in the Terms Utilization analysis package.

Report name	Description	Measures	Hierarchies
Discount Amount Analysis by Receivables Analyst - Quarter	Allows comparison of Discounts Offered and Taken amounts among various AR Credit Managers.	AR Discount Offered Amount AR Discount Taken Amount	Receivables Analyst
Discount Amount Analysis by Sales Rep - Quarter	Allows comparison of Discounts Offered and Taken amounts across Sales Representatives.	AR Discount Offered Amount AR Discount Taken Amount	Primary Sales Rep
Discount Amount Analysis by Customer - Quarter	Provides analysis by customer of Discount Offered vs. Discount Taken amounts.	AR Discount Offered Amount AR Discount Taken Amount	Customer Levels
Discount Count Analysis by Receivables Analyst-Quarter	Allows comparison of Discounts Offered and Taken counts among various AR Credit Managers.	AR Discount Offered Count AR Discount Taken Count AR Discount Refused Count	Receivables Analyst
Discount Count Analysis by Sales Rep- Quarter	Allows comparison of Discounts Offered and Taken counts across Sales Representatives.	AR Discount Offered Count AR Discount Taken Count AR Discount Refused Count	Primary Sales Rep

Report name	Description	Measures	Hierarchies
Discount Count Analysis by Customer - Quarter	Provides analysis by customer of Discount Offered vs. Discount Taken counts	AR Discount Offered Count AR Discount Taken Count AR Discount Refused Count	Customer Levels
Discounts Offered (Count) Trend Analysis	Displays any trend that may be present in the value of discounts being offered with analysis by customer available.	AR Discount Offered Count	Customer Levels Fiscal Calendar Period
Discount Utilization Trend Analysis	Displays a trend comparison of Discounts Offered and Discounts Taken	AR Discount Offered Count AR Discount Taken Count	Fiscal Calendar YQPD
Discount Utilization Analysis by Receivables Analyst (Cycle Time)	Compares three discount volume measures across receivables analysts for one or multiple years.	AR Discount Offered Count AR Discount Taken Count AR Discount Refused Count	Receivables Analyst Fiscal Calendar Year

## Receivables Risk

The Receivables Risk reports are grouped into the following analysis packages:

- Customer Credit Risk
- Analyst Risk

### Customer Credit Risk

The reports in this package provide insight into the risk associated with outstanding receivables and with which customers it is concentrated.

Use this package to provide insight into the following types of questions:

- How do current invoice amounts compare to current receivables balances?
- Are bad debt expenses within expectation?
- How much credit are we extending and does this vary by sales representatives?
- How much credit are we extending and does this vary by customer type?
- How much credit are we extending and does this vary by customer?

The following table lists the reports in the Customer Credit Risk analysis package.

Report name	Description	Measures	Hierarchies
Customer Receivables Analysis	Compares amount invoiced in the current period to current receivables and total receivables to provide an indication of how quickly customers pay	AR Invoice Amount Current Receivables (AR) AR Closing Balance Amount	Customer Levels
Customer Bad Debt Analysis	Allows comparison of bad debt amounts to invoice amounts by customer providing insight into the portion of bad debts that is written off	AR Bad Debt Amount AR Invoice Amount	Customer Levels
Customer Collection Analysis by Sales Rep - Period	Provides a measure of how current the outstanding AR balance is by sales representative.	Days Sales Outstanding AR Credit Sales	Primary Sales Rep
Customer Collection Analysis by Customer Type - Period	Provides a measure of how current the outstanding balance is by customer type.	Days Sales Outstanding AR Credit Sales	Customer Type Code
Customer Collection Analysis - Period	Provides a measure of how current the outstanding AR balance is by customer.	Days Sales Outstanding AR Credit Sales	Customer Levels

### Analyst Risk

The reports in this package provide insight into the risk associated with outstanding receivables and whether it varies among Receivables Analysts.

Use this package to provide insight into the following types of questions:

- How much credit are we extending?
- How much credit are we extending and does this vary by Receivables Analyst?

The following table lists the reports in the Analyst Risk analysis package.

Report name	Description	Measures	Hierarchies
Invoice Amount and Count by Receivables Analyst	A simple measure of the current invoicing activity by Receivables Analyst	AR Invoice Amount AR Invoice Count	Receivables Analyst

Report name	Description	Measures	Hierarchies
Current Days Sales Outstanding by Receivables Analyst	Provides a measure of how current the AR balance is by Receivables Analyst	Days Sales Outstanding	Receivables Analyst

## Adjustments

The AR Adjustments reports are grouped into the following analysis packages:

- Customer
- Analyst

### Customer

The reports in this package provide insight into the values and counts of adjustments made to Accounts Receivables invoices with comparison across customers.

Use this package to provide insight into the following types of questions:

- What level of adjustments occur?
- Are adjustments due to bad debt? If so, for what customers?

The following table lists the reports in the Customer analysis package.

Report name	Description	Measures	Hierarchies
Customer Bad Debt Analysis	Allows comparison of bad debt amounts to invoice amounts by customer providing insight into the portion of bad debts that is written off	AR Bad Debt Amount AR Invoice Amount	Customer Levels
Customer Receivables Adjustment Count Analysis - Year	At year grain, provides comparison of invoice adjustment amounts and counts to Invoice Amounts and Counts with analysis available by customer	AR Invoice Adjustment Count AR Invoice Adjustments to Invoice Count	Customer Levels
Customer Receivables Adjustment Count Analysis - Quarter	At quarter grain, provides comparison of invoice adjustment amounts and counts to Invoice Amounts and Counts with analysis available by customer	AR Invoice Adjustment Count AR Invoice Adjustments to Invoice Count	Customer Levels

Report name	Description	Measures	Hierarchies
Customer Receivables Adjustment Count Analysis - Period	At period grain, provides comparison of invoice adjustment amounts and counts to Invoice Amounts and Counts with analysis available by customer	AR Invoice Adjustment Count AR Invoice Adjustments to Invoice Count	Customer Levels
Customer Receivables Adjustment Amount Analysis - Year	At year grain, provides comparison of invoice adjustment amounts and counts to Invoice Amounts and Counts with analysis available by customer	AR Invoice Adjustment Amount AR Invoice Adjustments to Invoice Amount	Customer Levels
Customer Receivables Adjustment Amount Analysis - Quarter	At quarter grain, provides comparison of invoice adjustment amounts and counts to Invoice Amounts and Counts with analysis available by customer	AR Invoice Adjustment Amount AR Invoice Adjustments to Invoice Amount	Customer Levels
Customer Receivables Adjustment Amount Analysis - Period	At period grain, provides comparison of invoice adjustment amounts and counts to Invoice Amounts and Counts with analysis available by customer	AR Invoice Adjustment Amount AR Invoice Adjustments to Invoice Amount	Customer Levels

### Analyst

The reports in this package provide insight into the values and counts of adjustments made to Accounts Receivables with comparison by Receivables Analyst.

Use this package to provide insight into the following types of questions:

- What level of adjustments occur?
- Are adjustments due to bad debt? If so, for what Receivables Analysts?

The following table lists the reports in the Analyst analysis package.

Report name	Description	Measures	Hierarchies
Receivables Analyst Bad Debt Analysis	Allows comparison of bad debt amounts to invoice amounts by Receivables Analyst, providing insight into the portion of bad debts that is written off.	AR Bad Debt Amount AR Invoice Amount	Receivables Analyst
Receivables Analyst Adjustment Count Analysis - Year	At year grain, provides comparison of adjustment amounts and counts to invoice amounts and counts by Receivables Analyst	AR Invoice Adjustment Count AR Invoice Adjustments to Invoice Count	Receivables Analyst
Receivables Analyst Adjustment Count Analysis - Quarter	At quarter grain, provides comparison of adjustment amounts and counts to invoice amounts and counts by Receivables Analyst	AR Invoice Adjustment Count AR Invoice Adjustments to Invoice Count	Receivables Analyst
Receivables Analyst Adjustment Count Analysis - Period	At period grain, provides comparison of adjustment amounts and counts to invoice amounts and counts by Receivables Analyst	AR Invoice Adjustment Count AR Invoice Adjustments to Invoice Count	Receivables Analyst
Receivables Analyst Adjustment Amount Analysis - Year	At year grain, provides comparison of adjustment amounts and counts to invoice amounts and counts by Receivables Analyst	AR Invoice Adjustment Amount AR Invoice Adjustments to Invoice Amount	Receivables Analyst
Receivables Analyst Adjustment Amount Analysis - Quarter	At quarter grain, provides comparison of adjustment amounts and counts to invoice amounts and counts by Receivables Analyst	AR Invoice Adjustment Amount AR Invoice Adjustments to Invoice Amount	Receivables Analyst
Receivables Analyst Adjustment Amount Analysis - Period	At period grain, provides comparison of adjustment amounts and counts to invoice amounts and counts by Receivables Analyst	AR Invoice Adjustment Amount AR Invoice Adjustments to Invoice Amount	Receivables Analyst

## AR Invoice Activity

The AR Invoice Activity reports are grouped into the following analysis packages:

- Invoice Count
- Invoice Amount

### Invoice Count

The reports in this package provide insight into the volume of transactions processed.

Use this package to provide insight into the following types of questions:

- Do we invoice too frequently?

The following table lists the reports in the Invoice Count analysis package.

Report name	Description	Measures	Hierarchies
Customer Invoice Count Grouped by Amount	Displays, by customer, the number of invoices issued in a period grouped by invoice value ranges.	AR Invoice Count	Customer Levels Invoice Amount Ranges

### Invoice Amount

The reports in this package provide information about current invoice values and the current receivables status.

Use this package to provide insight into the following types of questions:

- What is the weighted average balance outstanding?

The following table lists the reports in the Invoice Amount analysis package.

Report name	Description	Measures	Hierarchies
Weighted Average Balance Analysis	Displays, by customer, weighted average days overdue and amount invoiced for the period.	AR Weighted Average Days Overdue AR Invoice Amount	Customer Levels

## AR Aging

The AR Aging reports are grouped into the following analysis package:

- Customer

### Customer

The reports in this package highlight issues with collecting receivables in a timely manner by displaying how long invoices have been outstanding.

Use this package to provide insight into the following types of questions:

- Are we collecting outstanding receivables as they come due?
- Does aging vary by customer?

The following table lists the reports in the Customer analysis package.

<b>Report name</b>	<b>Description</b>	<b>Measures</b>	<b>Hierarchies</b>
AR Aging by Customer Levels	Displays total receivables balance outstanding by customer, divided into aging ranges.	AR Closing Balance Amount	Customer Levels AR Aging Ranges



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## Chapter 3: Working with Content

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The following sections provide information about Receivables Analytics content and the tasks related to the content. The information in this section is relevant to data modelers.

The content listed in the sections below may differ between ERP versions.

**Note:** If you customize an object by changing its business rules or renaming it, the information in this document is no longer applicable for that object. To find information about objects, you can explore them in Adaptive Warehouse or use the lineage information in Adaptive Analytics. For more information about lineage, see the Adaptive Analytics *User Guide*.

### Warehouse Model Stars

Cognos 8 Adaptive Warehouse delivers the business components. The warehouse objects are modeled into a set of star schemas in the target model. Receivables Analytics is delivered in the warehouse model through the following stars.

**Note:** the tables in this section list the dimensions and their related role names for each star. A role is a group that represents a collection of users that have similar responsibilities and similar privileges in the organization. For more information about groups and roles, see the Adaptive Warehouse *User Guide*.

#### AR Aging Balance Star

The AR Aging Balance Star consists of the AR Aging Balance fact and references to the following dimensions.

Dimension	Roles
AR Invoice Activity Type	(Default)
Chart of Accounts	(Default)
Company	(Default)
Customer	(Default)
Customer Hierarchy	(Default)
Fiscal Calendar	(Default)
Organization	(Default)

## AR Invoice Star

The AR Invoice Star consists of the AR Invoice fact and references to the following dimensions.

Dimension	Roles
AR Invoice Activity Type	(Default)
Calendar	TRX_DATE
Chart of Accounts	(Default)
Company	(Default)
Customer	(Default)
Customer Hierarchy	(Default)
Fiscal Calendar	(Default)
Organization	(Default)

## AR Invoice Adjustments Star

The AR Invoice Adjustments Star consists of the AR Invoice Adjustments fact and references to the following dimensions.

Dimension	Roles
AR Adjustment Activity Type	(Default)
Chart of Accounts	(Default)
Company	(Default)
Customer	(Default)
Customer Hierarchy	(Default)
Fiscal Calendar	(Default)
	INVOICE_GL_DATE
Organization	(Default)

## AR Invoice Distributions Star

The AR Invoice Distributions Star consists of the AR Invoice Distributions fact and references to the following dimensions.

Dimension	Roles
AR Account Class	(Default)
Chart of Accounts	(Default)
Company	(Default)
Customer	(Default)
Customer Hierarchy	(Default)
Fiscal Calendar	(Default)
Organization	(Default)

## AR Receipt Star

The AR Receipt Star consists of the AR Receipt fact and references to the following dimensions.

Dimension	Roles
AR Receipt Activity Type	(Default)
Chart or Accounts	(Default)
Company	(Default)
Customer	(Default)
Customer Hierarchy	(Default)
Fiscal Calendar	(Default)
Organization	(Default)

## AR Receipt Application Star

The AR Receipt Application Star consists of the AR Receipt Application fact and references to the following dimensions.

Dimension	Roles
AR Invoice Activity Type	(Default)
AR Receipt Application Type	(Default)
Chart or Accounts	(Default)
Company	(Default)
Customer	(Default)
Customer Hierarchy	(Default)
Fiscal Calendar	(Default)
Organization	(Default)

## Target Model Star Schema Groupings

The target model, which is generated by Adaptive Warehouse, applies best practices for reporting. The target model provides a business view of the information in the source model, and is used to simplify the building of reports, analyses, and queries.

Receivables Analytics is delivered in the target model in the following star schema groupings.

### AR Aging Balance Star Schema Grouping

The AR Aging Balance star schema grouping consists of the AR Aging Balance measure and the following dimensions.

- [AR Aging Balance](#)
- [AR Aging Ranges](#)
- [AR Invoice Activity Type](#)
- [Company](#)
- [Company Hierarchy](#)
- [Customer](#)
- [Customer Hierarchy](#)
- [Fiscal Calendar](#)
- [Invoice Amount Ranges](#)
- [Organization](#)
- [Organization Hierarchy](#)

## Measures

The following is a list of the AR Aging Balance measures. For descriptions of the measures, see ["Measures" \(p. 69\)](#)

AR Closing Balance Amount

AR Open Balance Amount

AR Days From Due Date

Current Receivables

## AR Invoice Star Schema Grouping

The AR Invoice Star Schema Grouping consists of the AR Invoice measure and the following dimensions.

- [AR Invoice Activity Type](#)
- [Calendar](#)
- [Chart of Accounts](#)
- [Chart of Accounts Hierarchy](#)
- [Company](#)
- [Company Hierarchy](#)
- [Customer](#)
- [Customer Hierarchy](#)
- [Days to Collect \(Closed Invoice\) Ranges](#)
- [Days to Make Final Payment Ranges](#)
- [Discount Date Cash Flow Ranges](#)
- [Due Date Cash Flow Ranges](#)
- [Fiscal Calendar](#)
- [Invoice Amount Ranges](#)
- [Organization](#)
- [Organization Hierarchy](#)

## Measures

The following is a list of the AR Invoice measures. For descriptions of the measures, see ["Measures" \(p. 69\)](#)

AR Average Days Late

AR Open Invoice Amount

AR Average Days Overdue

AR Open Payment Schedule Amount

AR Days Overdue Multiplied by Remaining Amount	AR Open Payment Schedule Count
AR Discount Offered Amount	AR Overdue Amount
AR Discount Offered Count	AR Payment Schedule Amount
AR Discount Refused Count	AR Payment Schedule Count
AR Discount Taken Amount	AR Payment Schedule Past Due
AR Discount Taken Count	AR Total Invoice Adjustment Amount
AR Discount Taken Earned Count	AR Total Invoice Credit Amount
AR Discount Taken Unearned Count	Average Days to Collect (Closed Invoices)
AR Invoice Amount	Days to Collect Multiplied by Payment Schedule Amount
AR Invoice Amount less Terms Discount	Discount Date Cash Inflow
AR Invoice Count	Due Date Cash Inflow
AR Non Additive Invoice Amount	Total Applied Receipt Amount

## AR Invoice Adjustments Star Schema Groupings

The AR Invoice Adjustments Star Schema Grouping consists of the AR Invoice Adjustments measure and the following dimensions.

- [AR Adjustment Activity Type](#)
- [AR Invoice Adjustments](#)
- [Chart of Accounts](#)
- [Chart of Accounts Hierarchy](#)
- [Company](#)
- [Company Hierarchy](#)
- [Customer](#)
- [Customer Hierarchy](#)
- [Fiscal Calendar](#)
- [Fiscal Calendar \(INVOICE\\_GL\\_DATE\)](#)

- [Organization](#)
- [Organization Hierarchy](#)

### Measures

The following is a list of the AR Invoice Adjustments measures. For descriptions of the measures, see "[Measures](#)" (p. 69)

AR Average Invoice Adjustment Amount	AR Invoice Adjustment Amount Excluding Bad Debt
AR Bad Debt Amount	AR Invoice Adjustment Count
AR Bad Debt Count	AR Invoice Amount
AR Invoice Adjustment Amount	

## AR Invoice Distributions Star Schema Grouping

The AR Invoice Distributions Star Schema Grouping consists of the AR Invoice Distributions measure and the following dimensions.

- [AR Account Class](#)
- [AR Invoice Distributions](#)
- [Chart of Accounts](#)
- [Chart of Accounts Hierarchy](#)
- [Company](#)
- [Company Hierarchy](#)
- [Customer](#)
- [Customer Hierarchy](#)
- [Fiscal Calendar](#)
- [Organization](#)
- [Organization Hierarchy](#)

### Measures

The following is a list of the AR Invoice Distributions measures. For descriptions of the measures, see "[Measures](#)" (p. 69)

Charges Amount	Functional Credit Amount
Currency Code	Functional Debit Amount

Freight Amount

Revenue Amount

Functional Amount

Tax Amount

## AR Receipt Star Schema Grouping

The AR Receipt Star Schema Grouping consists of the AR Receipt measure and the following dimensions.

- [AR Receipt](#)
- [AR Receipt Activity Type](#)
- [Chart of Accounts](#)
- [Chart of Accounts Hierarchy](#)
- [Company](#)
- [Company Hierarchy](#)
- [Customer](#)
- [Customer Hierarchy](#)
- [Fiscal Calendar](#)
- [Organization](#)
- [Organization Hierarchy](#)

### Measures

The following is a list of the AR Receipt measures. For descriptions of the measures, see "[Measures](#)" (p. 69)

Average Receipt Amount

Receipt Count

Receipt Amount

Receipt Remaining Amount

## AR Receipt Application Star Schema Grouping

The AR Receipt Application Star Schema Grouping consists of the AR Receipt Application measure and the following dimensions.

- [AR Invoice Activity Type](#)
- [AR Receipt Application](#)
- [AR Receipt Application Type](#)
- [Chart of Accounts](#)
- [Chart of Accounts Hierarchy](#)

- [Company](#)
- [Company Hierarchy](#)
- [Customer](#)
- [Customer Hierarchy](#)
- [Fiscal Calendar](#)
- [Organization](#)
- [Organization Hierarchy](#)

### Measures

The following is a list of the AR Receipt Application measures. For descriptions of the measures, see "[Measures](#)" (p. 69)

Applied Receipt Amount	Late Payment Count
Applied Receipt Count	Late Payment Multiplier
Earned Discount Taken	Unearned Discount Taken Amount

## Target Model Dimensions

Receivables Analytics contains the following target model dimensions.

### Additional Account Segment 1

The following sections list the dimension hierarchies, dimension multipliers, and filters associated with the Additional Account Segment 1 dimension.

#### Dimension Hierarchies

The following sections list the dimension hierarchies related to Additional Account Segment 1.

#### Additional Account Segment 1

This is a skeleton warehouse object available for use if additional account segments are used in the ERP.

The levels associated with Additional Account Segment 1 are

- Additional Account Segment 1 (All)
- Set of Books Identifier
- Additional Account Segment 1 Code

Location in the target model: Additional Account Segment 1

## Dimension Multipliers

There are no dimension multipliers associated with Additional Account Segment 1.

## Filters

There are no filters associated with Additional Account Segment 1.

## Additional Account Segment 1 Hierarchy

The following sections list the dimension hierarchies, dimension multipliers, and filters associated with the Additional Account Segment 1 Hierarchy dimension.

### Dimension Hierarchies

The following sections list the dimension hierarches related to Additional Account Segment 1 Hierarchy.

#### Additional Account Segment 1 Hierarchy

This is a skeleton warehouse object available for use if additional account segments are used in the ERP.

The levels associated with Additional Account Segment 1 Hierarchy are

- Additional Account Segment 1 Hierarchy (All)
- Set of Books Identifier
- Additional Account Segment 1 Code

Location in the target model: Additional Account Segment 1 Hierarchy

#### Additional Account Segment 1 Levels

This is a skeleton warehouse object available for use if additional account segments are used in the ERP.

The levels associated with Additional Account Segment 1 Levels are

- Additional Account Segment 1 Levels (All)
- Additional Account Segment 1
- Additional Account Segment 1 Level 01
- Additional Account Segment 1 Level 02
- Additional Account Segment 1 Level 03
- Additional Account Segment 1 Level 04
- Additional Account Segment 1 Level 05
- Chart of Accounts Identifier

Location in the target model: Additional Account Segment 1 Hierarchy

## Dimension Multipliers

There are no dimension multipliers associated with Additional Account Segment 1 Hierarchy.

## Filters

There are no filters associated with Additional Account Segment 1 Hierarchy.

## AP Aging Ranges

Ap Aging Ranges is a user range that is used to classify or subdivide entities for reporting. These could be text groupings or numerical interval values for compiling statistics on quantities.

## Dimension Hierarchies

The following sections list the dimension hierarchies related to AP Aging Ranges.

### AP Aging

This dimension hierarchy captures the AP account balances based on due date. It contains both an opening and closing balance by fiscal period

The levels in AP Aging are

- AP Aging (All)
- AP Aging

Location in the target model: AP Aging

## Dimension Multipliers

There are no dimension multipliers associated with the AP Aging Ranges dimension.

## Filters

There are no filters associated with the AP Aging Ranges dimension.

## AR Account Class

The following sections list the dimension hierarchies, dimension multipliers, and filters associated with the AR Account Class dimension.

## Dimension Hierarchies

The following sections list the dimension hierarchies associated with AR Account Class.

### AR Account Class

The levels in AR Account Class are

- Account Class Code
- AR Account Class (All)

Location in the target model: AR Account Class

## Dimension Multipliers

There are no dimension multipliers associated with the AR Account Class dimension.

## Filters

There are no filters associated with the AR Account Class dimension.

## AR Adjustment Activity Type

The AR Adjustment Activity Type dimension contains all possible combinations of attributes to classify documents for the current application.

## Dimension Hierarchies

The following sections list the dimension hierarchies related to AR Adjustment Activity Type.

### AR Adjustment Activity Type

This contains all possible combinations of attributes to classify documents for AR adjustments.

The levels in AR Adjustment are

- AR Adjustment Activity Type (All)
- Adjustment Transaction Type Code
- Adjustment Reason Code

Location in the target model: AR Adjustment Activity Type

## Dimension Multipliers

There are no dimension multipliers associated with the AR Adjustment Activity Type dimension.

## Filters

There are no filters associated with the AR Adjustment Activity Type dimension.

## AR Aging Balance

The following sections list the dimension hierarchies, dimension multipliers, and filters associated with the AR Aging Balance dimension.

## Dimension Hierarchies

The following sections list the dimension hierarchies related to the AR Aging Balance dimension.

### AR Aging Balance

This is a warehouse object that captures the AR account balances based on due date. It contains both an opening and closing balance by fiscal period.

The levels in AR Aging Balance are

- AR Aging Balance (All)
- AR Aging Balance

Location in the target model: AR Aging Balance

### Dimension Multipliers

There are no dimension multipliers associated with the AR Aging dimension.

### Filters

There are no filters associated with the AR Aging dimension.

## AR Aging Ranges

The AR Aging Ranges dimension classifies or subdivides entries for reporting. These could be text groupings or numerical interval values for compiling statistics on quantities.

### Dimension Hierarchies

The following sections list the dimension hierarchies related to the AR Aging Ranges dimension.

#### AR Aging Ranges

The levels in AR Aging Ranges are

- AR Aging Ranges (All)
- AR Aging Ranges

Location in the target model: AR Aging Ranges

### Dimension Multipliers

There are no dimension multipliers associated with the AR Aging Ranges dimension.

### Filters

There are no filters associated with the AR Aging Ranges dimension.

## AR Invoice

The AR Invoice dimension contains the information related to amounts owed by customers. You use it when analyzing charge transaction values, discounts offered to customers, averages for past due, etc.

### Dimension Hierarchies

The following sections list the dimension hierarchies related to the AR Invoice dimension.

#### AR Invoice

This is a fact warehouse object containing the information related to amounts owed by customers. You use it when analyzing charge transaction values, discounts offered to customers, averages for past due, etc.

The levels in AR Invoice are

- AR Invoice

- AR Invoice (All)

Location in the target model: AR Invoice

## Dimension Multipliers

The following is a list of dimension multipliers associated with the AR Invoice dimension.

### Fully Paid Multiplier

If the invoice is fully paid then this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: AR Invoice

### Past Due Invoice Multiplier

Needs description

### VALID\_ROW\_MULTIPLIER

The valid row multiplier is used to identify valid rows in a table. If row is valid it is set to 1. Otherwise it is set to 0. If a row exists in the data warehouse but not in the ERP system due to changes in the ERP system, the valid row multiplier is set to 0.

Location in the warehouse model: AR Invoice

## Filters

The following is a list of filters associated with the AR Invoice dimension.

### AR Closed Invoice Filter

Filters on closed invoices. It uses the Fully Paid Multiplier.

### AR Open Invoice Filter

Filters on open invoices. It uses the Fully Paid Multiplier.

### AR Past Due Invoice Filter

Filters invoices that have a past due date whether they are open now or were paid later.

## AR Invoice Activity Type

Contains all possible combinations of attributes to classify documents for the current application.

## Dimension Hierarchies

The following sections list the dimension hierarchies related to the AR Invoice Activity Type.

### AR Invoice Activity Type

This contains all possible combinations of attributes to classify documents for AR invoices

The levels in AR Invoice Activity Type are

- AR Invoice Activity Type (All)
- Invoice Document Type Code

- Invoice Transaction Type Code
- ORG\_ID
- CUST\_TRX\_TYPE\_ID

Location in the target model: AR Invoice Activity Type

## Dimension Multipliers

The following sections list the dimension multipliers associated with the AR Invoice Activity Type dimension.

### Charge Back Multiplier

If the amount of this transaction is used to close off the invoice line item and a new invoice will be created for this amount, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: AR Invoice Activity Type

### Credit Sale Multiplier

If the invoice payment schedule line item is a credit sale, this multiplier is set to 1. Otherwise, it is set to 0. For the purposes of this definition, a Credit Sale is a sale made on credit.

Location in the warehouse model: AR Invoice Activity Type

## Filters

There are not filters associated with the AR Invoice Activity Type dimension.

## AR Invoice Adjustments

The following sections list the dimension hierarchies, dimension multipliers, and filters associated with the AR Invoice Adjustments dimension.

### Dimension Hierarchies

The following sections list the dimension hierarchies associated with the AR Invoice Adjustments dimension.

#### AR Invoice Adjustments

This is a fact warehouse object that stores information about invoice adjustments. Each row includes general information about the adjustment that you make, such as activity name, amount, accounting information, reason, and type of adjustment. You need one row for each adjustment that you make to an invoice.

The levels in AR Invoice Adjustments are

- AR Invoice Adjustments
- AR Invoice Adjustments (All)

Location in the target model: AR Invoice Adjustments

## Dimension Multipliers

There are no multipliers associated with the AR Invoice Adjustments dimension.

## Filters

There are no filters associated with the AR Invoice Adjustments dimension.

## AR Invoice Distributions

The following sections list the dimension hierarchies, dimension multipliers, and filters associated with the AR Invoice Distributions dimension.

### Dimension Hierarchies

The following sections list the dimension hierarchies associated with the AR Invoice Distributions dimension.

#### AR Invoice Distributions

This is a fact warehouse object containing the accounting information for AR invoices. You use it when analyzing where invoices are charged in accounting.

The levels in AR Invoice Distributions are

- AR Invoice Distributions (All)
- AR Invoice Distributions

Location in the target model: AR Invoice Distributions

### Dimension Multipliers

There are no dimension multipliers associated with the AR Invoice Distributions dimension.

### Filters

There are no filters associated with the AR Invoice Distributions dimension.

## AR Receipt

The AR Receipt dimension contains information about payments received related to customers and customer locations.

### Dimension Hierarchies

The following sections list the dimension hierarchies related to the AR Receipt dimension.

#### AR Receipt

This contains information about payments received related to customers, and customer locations.

The levels in AR Receipt are

- AR Receipt
- AR Receipt (All)

Location in the target model: AR Receipt

### Dimension Multipliers

There are no dimension multipliers associated with the AR Receipt dimension.

### Filters

There are no filters associated with the AR Receipt dimension.

## AR Receipt Activity Type

The following sections list the dimension hierarchies, dimension multipliers, and filters associated with the AR Receipt Activity Type dimension.

### Dimension Hierarchies

The following sections list the dimension hierarchies associated with the AR Receipt Activity Type dimension.

#### AR Receipt Activity Type

This contains all possible combinations of attributes to classify documents for AR receipts

The levels in AR Receipt Activity Type are

- AR Receipt Activity Type (All)
- Receipt Transaction Type Code

Location in the target model: AR Receipt Activity Type

### Dimension Multipliers

There are no dimension multipliers associated with the AR RReceipt Activity Type dimension.

### Filters

There are no filters associated with the AR Receipt Activity Type dimension.

## AR Receipt Application

The AR Receipt Application dimension contains all the application transactions for receipts, including those applied to invoices or written off.

### Dimension Hierarchies

The following sections list the dimension hierarchies related to the AR Receipt Application.

#### AR Receipt Application

This is a fact warehouse object that contains all the application transactions for receipts, including those applied to invoices, or written-off.

The levels in AR Receipt Application are

- AR Receipt Application

- AR Receipt Application (All)

Location in the target model: AR Receipt Application

## Dimension Multipliers

The following is a list of dimension multipliers associated with the AR Receipt Application dimension.

### Late Payment Multiplier

If the payment was made after the installment due date, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: AR Receipt Application

## Filters

There are no filters associated with the AR Receipt Application dimension.

## AR Receipt Application Type

The following sections list the dimension hierarchies, dimension multipliers, and filters associated with the AR Receipt Application Type dimension.

### Dimension Hierarchies

The following sections list the dimension hierarchies associated with the AR Receipt Application Type dimension.

#### AR Receipt Application Type

This contains all possible combinations of attributes to classify documents for AR receipt applications.

The levels in AR Receipt Application Type are

- AR Receipt Application Type (All)
- Receipt Application Status
- Receipt Application Type Code

Location in the target model: AR Receipt Application Type

### Dimension Multipliers

There are no dimension multipliers associated with the AR Receipt Application Type dimension.

## Filters

There are no filters associated with the AR Receipt Application Type dimension.

## Calendar

This dimension contains the default year, quarter, month, and day for the Gregorian calendar.

## Dimension Hierarchies

The following sections list the dimension hierarchies related to the Calendar dimension.

### Calendar YMD

This contains the default year, month, and day hierarchy for the Gregorian calendar.

The levels in Calendar YMD are

- Calendar YMD (All)
- Year
- Month
- Day

Location in the target model: Calendar

### Calendar YQMD

This contains the default year, quarter, month, and day hierarchy for the Gregorian calendar.

The levels in Calendar YQMD are

- Calendar YQMD (All)
- Year
- Quarter
- Month
- Day

Location in the target model: Calendar

## Dimension Multipliers

There are no dimension multipliers associated with the Calendar dimension.

## Filters

There are not filters associated with the Calendar dimension.

## Calendar (TRX\_DATE)

The following sections list the dimension hierarchies, dimension multipliers and filters associated with the Calendar (TRX\_DATE) dimension.

## Dimension Hierarchies

The following sections list the dimension hierarchies related to the Calendar (TRX\_DATE) dimension.

### Calendar (TRX\_DATE) YMD

This defines the standard Gregorian calendar used by the warehouse.

The levels in Calendar (TRX\_DATE) YMD are

- Calendar (TRX\_DATE) YMD (All)
- Year
- Month
- Day

Location in the target model: Calendar (TRX\_DATE)

### **Calendar (TRX\_DATE) YQMD**

This defines the standard Gregorian calendar used by the warehouse.

The levels in Calendar (TRX\_DATE) YQMD are

- Calendar (TRX\_DATE) YQMD (All)
- Year
- Quarter
- Month
- Day

Location in the target model: Calendar (TRX\_DATE)

### **Dimension Multipliers**

There are not dimension multipliers associated with the Calendar (TRX\_DATE) dimension.

### **Filters**

There are not filters associated with the Calendar (TRX\_DATE) dimension.

## **Chart of Accounts**

Chart of Accounts is a classification scheme defined for use in accounting. It provides a framework for the recording of values or value flows, to guarantee an orderly rendering of accounts.

### **Dimension Hierarchies**

The following sections list the dimension hierarchies related to Chart of Accounts.

#### **Account Categories**

This dimension hierarchy is taken from the accounting structure in the organization. The highest level is usually a rollup of assets, liabilities, equity, revenue, and expenses.

The levels associated with Account Categories are

- Account Categories (All)
- Set of Books Identifier
- Account Category Type Code
- Account Number

Location in the target model: Chart of Accounts

### **Chart of Accounts**

This dimension hierarchy is a classification scheme defined for use in accounting, whose purpose is to provide a framework for the recording of values or value flows, to guarantee an orderly rendering of accounts. It is a coding structure, representing all of the detailed level categories that record why a financial event has occurred.

The levels in Chart of Accounts are

- Chart of Accounts (All)
- Set of Books Identifier
- Account Number

Location in the target model: Chart of Accounts

## **Dimension Multipliers**

The following is a list of dimension multipliers associated with the Chart of Accounts dimension.

### **Account Natural Sign Multiplier**

If the record is part of an expense account or a revenue account, this multiplier is set to -1. Otherwise, it is set to 1.

Location in the warehouse model: Chart of Accounts

### **Accounts Payable Multiplier**

If the record is part of accounts payable, this multiplier is set to 1. Otherwise, it is set to 0. Accounts payable include unpaid bills for raw materials and supplies.

Location in the warehouse model: Chart of Accounts

### **Balance Sheet Multiplier**

If the record is a Balance Sheet transaction, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Bank Advances Multiplier**

If the record is a bank advance, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Capital Stock Multiplier**

If the record is capital stock, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Capitalized Interest Multiplier**

If the record is part of capitalized interest, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Capitalized Lease Payments Multiplier**

If the record is part of capitalized lease payments, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Cash Flow Statement Multiplier**

If the record is part of the cash flow statement, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Cash Multiplier**

If the record is cash, this multiplier is set to 1. Otherwise, it is set to 0. Cash refers to cash on hand or in the bank.

Location in the warehouse model: Chart of Accounts

### **Common Share Capital Multiplier**

If the record is common shares capital, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Contributed Surplus Multiplier**

If the record is contributed surplus, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Cost of Goods Sold Multiplier**

If the record is part of total cost of goods sold, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Current Assets Multiplier**

If the record is part of current assets, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Current Income Taxes Multiplier**

If the record is current income taxes, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Current Liabilities Multiplier**

If the record is a current liability, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Deferred Charges Multiplier**

If the record is part of deferred charges, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Deferred Income Multiplier**

If the record is part of deferred income, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Deferred Income Taxes Multiplier**

If the record is deferred income taxes, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Depreciation Multiplier**

If the record is part of depreciation costs, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Discounts Multiplier**

If the record is a discount, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Dividends Payable Multiplier**

If the record is part of dividends payable, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Equity Income Multiplier**

If the record is equity income, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Excise Tax Multiplier**

If the record is excise tax, this multiplier is set to 1. Otherwise, it is set to 0. Excise tax is a tax applicable to oil, beverage, and tobacco industries.

Location in the warehouse model: Chart of Accounts

### **Expense Multiplier**

If the record is an expense, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **First Mortgage Bonds Due Multiplier**

If the record is part of first mortgage bonds, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Fixed Assets Multiplier**

If the record is part of fixed assets, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Fixed Charges Multiplier**

If the record is part of fixed charges, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Foreign Currency Adjustment Multiplier**

If the record is a foreign currency adjustment, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Gross Operating Profit Multiplier**

If the record is part of gross operating profit, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Income Statement Multiplier**

This is a summary of the transactions processed through the General Ledger. The summarization can occur at any time interval, but is usually done at a Fiscal Period level.

Location in the warehouse model: Chart of Accounts

### **Income Taxes Payable Multiplier**

If the record is part of income taxes payable, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Intangible Assets Multiplier**

If the record is an intangible asset, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Interest Income Multiplier**

If the record is interest income, the multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Inventory Multiplier**

If the record is part of inventory, the multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Long-Term Debt Multiplier**

If the record is part of long-term debt, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Marketable Security Multiplier**

If the record is part of marketable securities, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Minority Interest Multiplier**

If the record is minority interest, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Miscellaneous Assets Multiplier**

If the record is part of miscellaneous assets, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Net Income Before Income Tax Multiplier**

If the record is net income before taxes, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Net Income BEI Multiplier**

If the record is a Net Income BEI (Before Extraordinary Items) transaction, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Net Income Multiplier**

If the record is a Net Income transaction, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Net Operating Profit Multiplier**

If the account is used in the derivation of net operating profit, this multiplier is set to 1. Otherwise it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Net Sales Multiplier**

If the record is part of net sales, this multiplier is set to 1. Otherwise it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Other Liabilities Multiplier**

If the record is a part of other liabilities, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Preferred Share Capital Multiplier**

If the record is preferred share capital, this multiplier is set to 1. Otherwise it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Prepaid Expense Multiplier**

If the record is part of prepaid expenses, this multiplier is set to 1. Otherwise it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Receivable Multiplier**

If the record is part of receivables, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Retained Earnings Multiplier**

If the record is part of retained earnings, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Returns and Allowances Multiplier**

If the record is part of returns and allowances, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Sales Multiplier**

If the record is part of sales, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Short-Term Debt Multiplier**

If the record is a short term debt, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Total Assets Multiplier**

If the record is part of total assets, this multiplier is set to 1. Otherwise, it is set to 0. Total assets include both current and long term assets.

Location in the warehouse model: Chart of Accounts

### **Total Debt Multiplier**

If the record is part of total debt, this multiplier is set to 1. Otherwise, it is set to 0. Total debt for the company includes both long and short term debt.

Location in the warehouse model: Chart of Accounts

### **Total Equity Multiplier**

If the record is part of total equity, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Total Expenses Multiplier**

If the record is part of total expenses, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Total Income Tax Expenses Multiplier**

If the record is part of total income tax expenses, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Total Liabilities Multiplier**

If the record is part of total liabilities, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

### **Total Sales Multiplier**

If the record is part of total sales, this multiplier is set to 1. Otherwise, it is set to 0.

Location in the warehouse model: Chart of Accounts

## **Filters**

The following filters are associated with the Chart of Accounts dimension.

### **Balance Sheet Filter**

Filters on the balance sheet accounts. It uses the Balance Sheet Multiplier.

### **Cash Flow Statement Filter**

Filters on the cash flow accounts. It uses the Cash Flow Statement Multiplier.

### **Income Statement Filter**

Filters on the income statement accounts. It uses the Income Statement Multiplier.

## **Chart of Accounts Hierarchy**

This is the default dimension created during Target Model generation when the Warehouse Model object bears the same name.

## **Dimension Hierarchies**

The following sections list the dimension hierarchies associated with the Chart of Accounts Hierarchy dimension.

### **Account Levels**

This is taken from the accounting structure in the organization. At the top level, typically rolling up to assets, are liabilities, equity, revenue and expenses. Alternate hierarchies are level, type, and category type.

The levels associated with Account Levels are

- Account Levels (All)
- Set of Books Identifier
- Account Level 01
- Account Level 02
- Account Level 03

- Account Level 04
- Account Level 05
- Account Level 06
- Account Level 07
- Account Level 08
- Account Level 09
- Account Level 10
- Account Level 11
- Account Level 12
- Account Level 13
- Account Level 14
- Account Level 15
- Account

Location in the target model: Chart of Accounts Hierarchy

### **Chart of Accounts Hierarchy**

This is taken from the accounting structure in the organization. It rolls up the accounts based on the ERP hierarchy.

The levels in Chart of Accounts Hierarchy are:

- Chart of Accounts Hierarchy (All)
- Set of Books Identifies
- Account Number
- Account Level 01 Number

Location in the target model: Chart of Accounts Hierarchy

### **Dimension Multipliers**

There are no dimension multipliers associated with the Chart of Accounts Hierarchy dimension.

### **Filters**

There are no filters associated with the Chart of Accounts Hierarchy dimension.

### **Company**

Company is one of the following

- The smallest organizational unit for which individual financial statements can be drawn up.

- A group of companies that forms a legal company in itself.
- A group of companies that does not form a legal company.

### Dimension Hierarchies

The following sections list the dimension hierarchies related to the Company dimension.

#### Company

A company is one of the following

- The smallest organizational unit for which individual financial statements can be drawn up.
- A group of companies that forms a legal company in itself.
- A group of companies that does not form a legal company.

The levels in Company are

- Company (All)
- Set of Books Identifier
- Company Code

Location in the target model: Company

### Dimension Multipliers

There are no multipliers associated with the Company dimension.

### Filters

There are no filters associated with the Company dimension.

## Company Hierarchy

The following sections list the dimension hierarchies, dimension multipliers, and filters associated with the Company Hierarchy dimension.

### Dimension Hierarchies

The following sections list the dimension hierarchies associated with the Company Hierarchy dimension.

#### Company Hierarchy

This contains five levels by category, geographic (country, region, city, industry). Identified by Company Level Code and Company Level Name.

The levels in Company Hierarchy are

- Company Hierarchy (All)
- Set of Books Identifier
- Company Code

- Company Level 01 Code

Location in the target model: Company Hierarchy

### **Company Levels**

This contains five levels by category, geographic (country, region, city, industry). Identified by Company Level Code and Company Level Name.

The levels in Company Levels are

- Company Levels (All)
- Set of Books Identifier
- Company Level 01
- Company Level 02
- Company Level 03
- Company Level 04
- Company Level 05
- Company

Location in the target model: Company Hierarchy

### **Dimension Multipliers**

There are no dimension multipliers associated with the Company Hierarchy dimension.

### **Filters**

There are no filters associated with the Company Hierarchy dimension.

## **Customer**

The Customer dimension contains information about a person or company that buys goods or services. A customer may have multiple locations and addresses for billing and shipping purposes.

### **Dimension Hierarchies**

The following sections list the dimension hierarchies related to Customer dimension.

#### **Customer**

This contains information about a person or company that buys good or services. A customer may have multiple locations and addresses for billing and shipping purposes.

The levels in Customer are

- Customer (All)
- CUSTOMER\_ID
- ADDRESS\_ID

Location in the target model: Customer

### **Receivables Analyst**

The levels in Receivables Analyst are

- Collection Managers (All)
- Receivables Analyst Name
- Customer
- Address

Location in the target model: Customer

### **Primary Sales Rep**

The levels in Primary Sales Rep are

- Primary Sales Rep (All)
- Primary Sales Rep

Location in the target model: Customer

### **Customer Locations**

This contains the information about customer addresses. Each customer may have more than one address or location.

The levels in Customer Locations are

- Customer Locations (All)
- Country
- Customer
- Address

Location in the target model: Customer

### **Customer Credit Ratings**

This contains the credit ratings, risk categories related to each customer, and customer location.

The levels in Customer Credit Ratings are

- Customer Credit Ratings (All)
- Risk Category
- Customer
- Address

Location in the target model: Customer

### **Customer Type Code**

The levels in Customer Type Code are

- Customer Type Code (all)
- Customer Type Code
- CUSTOMER\_ID

Location in the target model: Customer

### **Dimension Multipliers**

There are no dimension multipliers associated with the Customer dimension.

### **Filters**

There are not filters associated with the Customer dimension.

## **Customer Hierarchy**

The following sections list the dimension hierarchies, dimension multipliers, and filters associated with the Customer Hierarchy dimension.

### **Dimension Hierarchies**

The following sections list the dimension hierarchies related to the Customer Hierarchy dimension.

#### **Customer Hierarchy**

This contains five levels by category, geographic (country, region, city, industry). Identified by Customer Level Number and Customer Level Name.

The levels in Customer Hierarchy are

Location in the target model: Customer Hierarchy

#### **Customer Levels**

This contains five levels by category, geographic (country, region, city, industry). Identified by Customer Level Number and Customer Level Name.

The levels in Customer Level are

Location in the target model: Customer Levels

### **Dimension Multipliers**

There are no dimension multipliers associated with the Customer Hierarchy dimension.

### **Filters**

There are no filters associated with the Customer Hierarchy dimension.

## **Days to Collect (Closed Invoice) Ranges**

The following sections list the dimension hierarchies, dimension multipliers, and filters associated with the Customer Hierarchy dimension.

## Dimension Hierarchies

The following sections list the dimension hierarchies related to the Days to Collect (Closed Invoice) Ranges dimension.

### Days to Collect (Closed Invoice) Ranges

The levels in Days to Collect (Closed Invoice) Ranges are

- Days to Collect (Closed Invoice) Ranges (All)
- Days to Collect (Closed Invoice) Ranges

Location in the target model: Days to Collect (Closed Invoice) Ranges

## Dimension Multipliers

There are no dimension multipliers associated with the Days to Collect (Closed Invoice) Ranges dimension.

## Filters

There are no filters associated with the Days to Collect (Closed Invoice) Ranges dimension.

## Days to Make Final Payment Ranges

The following sections list the dimension hierarchies, dimension multipliers, and filters associated with the Days to Make Final Payment Ranges dimension.

## Dimension Hierarchies

The following sections list the dimension hierarchies related to the Days to Make Final Payment Ranges.

### Days to Make Final Payment Ranges

The levels in Days to Make Final Payment Ranges are

- Days to Make Final Payment Ranges (All)
- Days to Make Final Payment Ranges

Location in the target model: Days to Make Final Payment Ranges

## Dimension Multipliers

There are no dimension multipliers associated with the Days to Make Final Payment Ranges dimension.

## Filters

There are no filters associated with the Days to Make Final Payment Ranges dimension.

## Discount Date Cash Flow Ranges

Discount Date Cash Flow Ranges contains the user-defined ranges in days. The number of days between invoice discount date and as of date is compared with the low and high value of these ranges. The expected discount date cash flow will fall within one of these ranges.

### Dimension Hierarchies

The following sections list the dimension hierarchies related to the Discount Cash Flow Ranges dimension.

#### Discount Date Cash Flow Ranges

The levels in Discount Cash Flow Ranges are

- Discount Date Cash Flow Ranges (All)
- Discount Date Cash Flow Ranges

Location in the target model: Discount Date Cash Flow Ranges

### Dimension Multipliers

There are no dimension multipliers associated with the Discount Cash Flow Ranges dimension.

### Filters

There are no filters associated with the Discount Cash Flow Ranges dimension.

## Due Date Cash Flow Ranges

Due Date Cash Flow Ranges contains the user-defined ranges in days. The number of days between invoice due date and as of date is compared with the low and high value of these ranges. The expected due date cash flow will fall within one of these ranges.

### Dimension Hierarchies

The following sections list the dimension hierarchies related to the Due Date Cash Flow Ranges dimension.

#### Due Date Cash Flow Ranges

The levels in Due Date Cash Flow Ranges are

- Due Date Cash Flow Ranges (All)
- Due Date Cash Flow Ranges

Location in the target model: Due Date Cash Flow Ranges

### Dimension Multipliers

There are no dimension multipliers associated with the Due Date Cash Flow Ranges dimension.

### Filters

There are no filters associated with the Due Date Cash Flow Ranges dimension.

## Fiscal Calendar

Fiscal Calendar defines the accounting year of the company. The accounting year of a company consists of a twelve month period. At the end of the fiscal year, the company must settle its accounting books with the government.

### Dimension Hierarchies

The following sections list the dimension hierarchies related to the Fiscal Calendar dimension.

#### Fiscal Calendar YPD

This defines the fiscal calendar within an organization. A YPD fiscal calendar hierarchy means that it contains 3 levels: Year, Period, and Day: The date role, identified in brackets, roll up the YPD fiscal calendar hierarchy.

The levels in Fiscal Calendar YPD are

- Fiscal Calendar YPD (All)
- Fiscal Calendar Year
- Fiscal Calendar Period
- Fiscal Calendar Day

Location in the target model: Fiscal Calendar

#### Fiscal Calendar YQPD

This defines the fiscal calendar within an organization. A YQPD fiscal calendar hierarchy contains 4 levels: Year, Quarter, Period, and Day: The date role, identified in brackets, roll up the YQPD fiscal calendar hierarchy.

The levels in Fiscal Calendar YQPD are

- Fiscal Calendar YQPD (All)
- Fiscal Calendar Year
- Fiscal Calendar Quarter
- Fiscal Calendar Period
- Fiscal Calendar Day

Location in the target model: Fiscal Calendar

#### Fiscal Calendar YMD

This defines the fiscal calendar within an organization. A YMD fiscal calendar hierarchy contains 3 levels: Year, Month, and Day. The date role, identified in brackets, rolls up the YMD Gregorian calendar hierarchy.

The levels in Fiscal Calendar YMD are

- Fiscal Calendar YMD (All)

- Year
- Month
- Day

Location in the target model: Fiscal Calendar

### **Fiscal Calendar YQMD**

This defines the fiscal calendar within an organization. A YQMD fiscal calendar hierarchy contains 4 levels: Year, Quarter, Month, and Day: The date role, identified in brackets, roll up the YQMD Gregorian calendar hierarchy.

The levels in Fiscal Calendar YQMD are

- Fiscal Calendar YQMD (All)
- Year
- Quarter
- Month
- Day

Location in the target model: Fiscal Calendar

### **Dimension Multipliers**

There are no dimension multipliers associated with the Fiscal Calendar dimension.

### **Filters**

There are no filters associated with the Fiscal Calendar dimension.

## **Fiscal Calendar (INVOICE\_GL\_DATE)**

The following sections list the dimension hierarchies, dimension multipliers and filters associated with the Fiscal Calendar (INVOICE\_GL\_DATE) dimension.

### **Dimension Hierarchies**

The following sections list the dimension hierarchies associated with the Fiscal Calendar (INVOICE\_GL\_DATE) dimension.

#### **Fiscal Calendar (INVOICE\_GL\_DATE) YPD**

This defines the fiscal calendar within an organization. A YPD fiscal calendar hierarchy means that it contains 3 levels: Year, Period, and Day; the date role, identified in brackets, will roll up the YPD fiscal calendar hierarchy.

The levels in Fiscal Calendar (INVOICE\_GL\_DATE) YPD are

- Fiscal Calendar (INVOICE\_GL\_DATE) YPD (All)
- Fiscal Calendar Year

- Fiscal Calendar Period
- Fiscal Calendar Day

Location in the target model: Fiscal Calendar(INVOICE\_GL\_DATE)

### **Fiscal Calendar (INVOICE\_GL\_DATE) YQPD**

This defines the fiscal calendar within an organization. A YQPD fiscal calendar hierarchy means that it contains 4 levels: Year, Quarter, Period, and Day; the date role, identified in brackets, will roll up the YQPD fiscal calendar hierarchy.

The levels in Fiscal Calendar (INVOICE\_GL\_DATE) YQPD are

- Fiscal Calendar (INVOICE\_GL\_DATE) YQPD (All)
- Fiscal Calendar Year
- Fiscal Calendar Quarter
- Fiscal Calendar Period
- Fiscal Calendar Day

Location in the target model: Fiscal Calendar (INVOICE\_GL\_DATE)

### **Fiscal Calendar (INVOICE\_GL\_DATE) YMD**

This defines the fiscal calendar within an organization. A YMD fiscal calendar hierarchy means that it contains 3 levels: Year, Month, and Day; the date role, identified in brackets, will roll up the YMD Gregorian calendar hierarchy.

The levels in Fiscal Calendar (INVOICE\_GL\_DATE) YMD are

- Fiscal Calendar (INVOICE\_GL\_DATE) YMD (All)
- Year
- Month
- Day

Location in the target model: Fiscal Calendar(INVOICE\_GL\_DATE)

### **Fiscal Calendar (INVOICE\_GL\_DATE) YQMD**

This defines the fiscal calendar within an organization. A YQMD fiscal calendar hierarchy means that it contains 4 levels: Year, Quarter, Month, and Day; the date role, identified in brackets, will roll up the YQMD Gregorian calendar hierarchy.

The levels in Fiscal Calendar (INVOICE\_GL\_DATE) YQMD are

- Fiscal Calendar (INVOICE\_GL\_DATE) YQMD (All)
- Year
- Quarter
- Month

- Day

Location in the target model: Fiscal Calendar (INVOICE\_GL\_DATE)

### **Dimension Multipliers**

There are no dimension multipliers associated with the Fiscal Calendar (INVOICE\_GL\_DATE) dimension.

### **Filters**

There are no filters associated with the Fiscal Calendar (INVOICE\_GL\_DATE) dimension.

## **Invoice Amount Ranges**

Invoice Amount Ranges contains the user-defined ranges in amounts. The transaction invoice amount is compared with the low and high value of these ranges. The invoice amount will fall within one of these ranges.

### **Dimension Hierarchies**

The following sections list the dimension hierarchies related to the Invoice Amount Ranges dimension.

#### **Invoice Amount Ranges**

Invoice Amount Ranges contains the user-defined ranges (in amounts). The transaction invoice amount is compared with the low and high value of these ranges. As a result, the invoice amount will fall within one of these ranges.

The levels in Invoice Amount Ranges are

- Invoice Amount Ranges (All)
- Invoice Amount Ranges

Location in the target model: Invoice Amount Ranges

### **Dimension Multipliers**

There are no dimension multipliers associated with the Invoice Amount Ranges dimension.

### **Filters**

There are no filters associated with the Invoice Amount Ranges dimension.

## **Organization**

The following sections list the dimension hierarchies, dimension multipliers and filters associated with the Organization dimension.

### **Dimension Hierarchies**

The following sections list the dimension hierarchies associated with the Organization dimension.

### Organization

This contains information about the hierarchical structure of personnel and resources used by a company to conduct business. The structure may be grouped by location, function, or another common characteristic such as corporate sales, central manufacturing or regional distribution.

The levels in Organization are

- Organization (All)
- Organization Code

Location in the target model: Organization

### Organization Type

This is a classification system for grouping organizations into logical groups or types, such as division, department, and so on.

The levels in Organization Type are

- Organization Type(All)
- Organization Type
- Organization

Location in the target model: Organization

### Business Group

The levels in Business Group are

- Business Group (All)
- Business Group Id
- Organization Code

### Dimension Multipliers

There are no dimension multipliers associated with the Organization dimension.

### Filters

There are no filters associated with the Organization dimension.

## Organization Hierarchy

The following sections list the dimension hierarchies, dimension multipliers and filters associated with the Organization Hierarchy dimension.

### Dimension Hierarchies

The following sections list the dimension hierarchies associated with the Organization Hierarchy dimension.

### **Organization Hierarchy**

This contains five levels by category, geographic (country, region, city, industry). Identified by Org Level ID and Org Level Name.

The levels in Organization Hierarchy are

- Organization Hierarchy (All)
- Organization Code

Location in the target model: Organization Hierarchy

### **Organization Levels**

This contains five levels by category, geographic (country, region, city, industry). Identified by Org Level ID and Org Level Name.

The levels associated with Organization Levels are

- Organization Levels (All)
- Organization Level 1
- Organization Level 2
- Organization Level 3
- Organization Level 4
- Organization Level 5
- Organization Level 6
- Organization Level 7
- Organization Level 8
- Organization Level 9
- Organization Level 10
- Organization Level 11
- Organization Level 12
- Organization Level 13
- Organization Level 14
- Organization Level 15
- Organization

Location in the target model: Organization Levels

### **Dimension Multipliers**

There are no dimension multipliers associated with the Organization Hierarchy dimension.

## Filters

There are no filters associated with the Organization Hierarchy dimension.

## User Ranges

The following sections list the dimension hierarchies, dimension multipliers, and filters associated with the User Ranges dimension.

### Dimension Hierarchies

The following sections list the dimension hierarchies related to the User Ranges dimension.

#### User Ranges

The levels associated with User Ranges are

- User Ranges (All)
- Range Type
- Range Key

Location in the target model: User Ranges.

### Dimension Multipliers

There are no dimension multipliers associated with the User Ranges dimension.

## Filters

There are no filters associated with the User Ranges dimension.

## Measures

Measures are facts from the Adaptive Warehouse model that are organized into groups. These groups isolate what is important for monitoring and analysis. Usually, a measure identifies one aspect of performance, such as headcount budget. For example, the Headcount Budget measure may include measures such as Budgeted Headcount, Budgeted Compensation Amount, and Budgeted Full Time Equivalents.

Currency measures allow you to roll up numbers in a currency other than the local currency amount. For more information about currency measures, see the Adaptive Warehouse *User Guide*.

**Note:** The measures listed in this section vary between ERP versions.

### Applied Receipt Amount

This is the total amount of the application.

### Applied Receipt Count

This is the number of all receipts applied during the current period.

## **AR Average Days Late**

This is the average number of days by which a closed invoice was paid late.

## **AR Average Days Overdue**

This is the average number of days by which an open invoice has passed the due date.

## **AR Average Invoice Adjustment Amount**

This is the average of adjustments for all receivables.

## **AR Bad Debt Amount**

This is the value of the bad debts written off.

## **AR Bad Debt Count**

This is the count of the number of bad debt transactions.

## **AR Closing Balance Amount**

This is the accounts receivable balance at the end of the fiscal period. It is equal to the opening balance plus the transaction amounts that occurred during the fiscal period.

## **AR Days from Due Date (Closed Invoices)**

This is the number of days from the due date that an invoice was closed.

## **AR Days from Due Date Multiplied by Pay Item Amount (Closed Invoices)**

This is the number of days from the due date multiplied by the payment schedule amount for closed invoices.

## **AR Discount Offered Amount**

This is the discount amount available on the invoice.

## **AR Discount Offered Count**

This is the number of invoices with a discount available.

## **AR Discount Refused Count**

This is the number of discounts that customers requested but that the organization refused, as indicated by the credit activity that was identified as charge back.

## **AR Discount Taken Amount**

This is the amount of discount taken.

**AR Discount Taken Count**

This is the number of invoices where a discount was taken.

**AR Discount Taken Earned Amount**

This is the discount taken from the invoice because of meeting the payment terms.

**AR Discount Taken Unearned Amount**

This is the discount taken from the invoice, without meeting the payment terms.

**AR Invoice Adjustment Amount**

This is the value of invoice adjustments or modifications, such as refunds or corrections.

**AR Invoice Adjustment Amount Excluding Bad Debt**

This is the value of invoice adjustments or modifications excluding adjustments for bad debt.

**AR Invoice Adjustment Count**

This is the number of invoice adjustments or modifications such as refunds or corrections.

**AR Invoice Amount**

This is the total amount of the invoice.

**AR Invoice Amount (Closed Invoices)**

This is the amount of the payment schedule or pay item for invoices closed during the period.

**AR Invoice Amount Less Terms Discount**

This is the invoice amount minus any discounts.

**AR Invoice Count**

This is the number of invoices posted in the fiscal period.

**AR Non Additive Invoice Amount**

This is the total amount of the AR invoice. This measure should not be summed.

**AR Open Balance Amount**

Accounts receivable balance at the beginning of the fiscal period.

**AR Open Invoice Count**

This is the number of open invoices in the fiscal period

### **AR Open Invoice Amount**

This is the portion of the total invoice that is still outstanding.

### **AR Open Payment Schedule Amount**

This is the amount remaining on a payment schedule.

### **AR Open Payment Schedule Count**

This is the number of payment schedules or pay items that remain open.

### **AR Overdue Amount**

This is the total amount of invoices that are open and that have a due date that has passed.

### **AR Open Payment Schedule Amount**

This is the amount remaining on a payment schedule.

### **AR Payment Schedule Count**

This is the number of payments planned for the current schedule.

### **AR Payment Schedule Past Due Count**

This is the number of payment schedules or pay items that are past the due date.

### **AR Total Invoice Adjustment Amount**

This is the value of invoice adjustments or modifications such as refunds or corrections.

### **AR Total Invoice Credit Amount**

This is the total amount resulting from credit activities, such as payments and adjustments, that has occurred for this invoice.

### **Average Days to Collect (Closed Invoice)**

This is the average number of days to close an invoice.

### **Average Receipt Amount**

This is the average receipt amount in the period.

### **Currency Code**

Currency

### **Current Receivables (AR)**

This is the portion of open invoice amounts whose invoice due dates have not passed.

## Days to Collect Multiplied by Payment Schedule Amount

This is the AR days to collect payment multiplied by the payment schedule amount for closed invoices.

## Discount Date Cash Inflow

This is the expected cash inflow amount if the customer takes advantage of the discount terms and pays the due amount by the discount date.

## Due Date Cash Inflow

This is the expected cash inflow if each customer pays the due amount on the due date. For invoices where the due date has passed, it is assumed that the payment will be received immediately.

## Earned Discount Taken Amount

This is the discount amount taken, with payment within terms.

## Late Payment Count

This is the number of all receipts applied after the installment due date.

## Receipt Amount

This is the amount of a receipt.

## Receipt Count

This is the number of receipts in the period.

## Receipt Remaining Amount

This is the amount of receipt that is not applied to any transactions.

## Total Applied Receipt Amount

This is the total amount of a receipt that is applied to other transactions.

## Unearned Discount Taken Amount

This is the discount amount taken, with payment not within terms.

## User Ranges

User ranges classify data into intervals that share a characteristic. Each user range interval is defined with an upper and a lower value. For example, a user range interval for age can include all people between 40 and 50 years old.

## AP Aging Ranges

The following table shows the user range intervals for AP Aging Ranges.

Range Name	Range Key	Low Range	High Range
Current Payables (AP)	1	-999999999	0
1 to 30 Days	2	1	30
31 to 60 Days	3	31	60
61 to 90 Days	4	61	90
91 to 120 Days	5	91	120
121 to 150 Days	6	121	150
151 to 180 Days	7	151	180
Over 180 Days	8	181	999999999

## AR Aging Ranges

The following table shows the user range intervals for AR Aging Ranges.

Range Name	Range Key	Low Range	High Range
Current Receivables (AR)	1	-999999999	0
1 to 30 Days	2	1	30
31 to 60 Days	3	31	60
61 to 90 Days	4	61	90
91 to 120 Days	5	91	120
121 to 150 Days	6	121	150
151 to 180 Days	7	151	180
Over 180 Days	8	181	999999999

## Days to Collect (Closed Invoice) Ranges

The following table shows the user range intervals for Days to Collect (Closed Invoice) Ranges.

Range Name	Range Key	Low Range	High Range
Prepayments	1	-999999999	-1
0 to 15 days	2	0	15
16 to 30 days	3	16	30
31 to 45 days	4	31	45
46 to 60 days	5	46	60
61 to 90 days	6	61	90
Over 90 days	7	91	999999999

## Days to Make Final Payment Ranges

The following table shows the user range intervals for Days to Make Final Payment Ranges.

Range Name	Range Key	Low Range	High Range
Prepayments	1	-999999999	-1
0 to 15 days	2	0	15
16 to 30 days	3	16	30
31 to 45 days	4	31	45
46 to 60 days	5	46	60
61 to 90 days	6	61	90
91 to 120 days	7	91	120
121 to 150 days	8	121	150
151 to 180 days	9	151	180
Over 180 Days	10	181	999999999

## Discount Date Cash Flow Ranges

The following table shows the user range intervals for Discount Date Cash Flow Ranges.

Range Name	Range Key	Low Range	High Range
Past Discount Date	1	-999999999	0
0 to 6 days	2	0	6
7 to 13 days	3	7	16
14 to 20 days	4	14	20
21 to 27 days	5	21	27
28 to 34 days	6	28	34
Future Dated	7	35	999999999

## Due Date Cash Flow Ranges

The following table shows the user range intervals for Due Date Cash Flow Ranges.

Range Name	Range Key	Low Range	High Range
Doubtful	1	-999999999	-45
Past Due	2	-44	-1
0 to 6 Days	3	0	6
7 to 13 Days	4	7	16
14 to 20 Days	5	14	20
21 to 27 Days	6	21	27
28 to 34 Days	7	28	34
Future Dated	8	35	999999999

## Invoice Amount Ranges

The following table shows the user range intervals for Invoice Amount Ranges.

Range Name	Range Key	Low Range	High Range
< \$5,000	1	0	5000

Range Name	Range Key	Low Range	High Range
\$5,000 - \$25,000	2	5000	25000
\$25,000 - \$100,000	3	25000	100000
\$100,000 - \$250,000	4	100000	250000
>=\$250,000	5	250000	999999999

## Content-Specific Information

This section contains information that is specific to Receivables Analytics for Oracle. Read this section before you start working with the content.

### Create the Chart of Accounts Dimension

To ensure that the data warehouse database loads correctly, you must create the Chart of Accounts dimension. This does the following:

- creates the CHART\_OF\_ACCOUNT\_RANGES table
- sets the account ranges
- runs load management for three dataflows that will load the Chart of Accounts dimension. The dataflows must be run in the proper order to produce valid results.

#### Steps

1. Run the CHART\_OF\_ACCOUNTS\_RANGES.sql script located in the same directory as the application content files.

This creates CHART\_OF\_ACCOUNT\_RANGES table is created in the data warehouse database.

2. The Multiplier\_Ranges.csv file contains ranges of account numbers. It is located in the same directory as the application content files. If your source system contains account numbers that fall outside of the ranges defined in the file, add a line to the file with the new range. For example

MULTIPLIER_NAME	ACCOUNT_NUMBER_LOW	ACCOUNT_NUMBER_HIGH
Discounts Multiplier	5160	5170
Discounts Multiplier	9150	9156

3. Using the database management system for your database, import the data from the Multiplier\_Ranges.csv file into the CHART\_OF\_ACCOUNT\_RANGES table in the data warehouse database.

**Note:** Each time the account numbers in your source system change, you must perform steps 2 and 3 to ensure that the account numbers in Adaptive Warehouse correspond with the account numbers in your source system.

4. If the data source connection for your data warehouse is not named TARGET, create a new data source named TARGET in the target model. Ensure that the database schema name is correct.
5. You must run Load Management twice to create the Chart of Accounts dimension.

The first time you run **Load Management**, ensure that both **Chart of Accounts Dataflow** and **Chart of Accounts Category Dataflow** are selected to run.

You should only run Load Management again, with the Chart of Accounts Multiplier Dataflow selected, after the first two dataflows have run successfully.

## Create Additional Account Segment Warehouse Objects

By default, the warehouse includes the following basic segments: Company, Responsibility Center, and Account. The Additional Account Segment1 and Additional Account Segment1 Hierarchy warehouse objects are template objects that you can use to create additional segment-type warehouse objects.

### Steps to Create Additional Account Segment Warehouse Objects

1. Right-click the Additional Account Segment 1 Input Source, and select **Edit in Framework Manager**.

This opens the Additional Account Segment 1 Additional Account Segment 1 Input Source namespace.

2. Double-click Additional Account Segment 1 Input Source query subject, and click the **Filters** tab.
3. For each filter, click the ellipses button in the Source column to add the segment-type identifier to the Config\_Parameter value, and click **OK**.

### Steps to Create Additional Account Segment Hierarchy Warehouse Objects

1. Right-click the Additional Account Segment 1 Hierarchy Input Source, and select **Edit in Framework Manager**.

This opens the Additional Account Segment 1 Hierarchy Additional Account Segment 1 Hierarchy Input Source namespace.

2. Double-click Parent Query Subject query subject, and click the **Filters** tab.
3. For each filter, click the ellipses button in the Source column to add the segment-type identifier to the Config\_Parameter value, and click **OK**.
4. Double-click Child Query Subject query subject, and click the **Filters** tab.
5. For each filter, click the ellipses button in the Source column to add the segment-type identifier to the Config\_Parameter value, and click **OK**.

6. Double-click the Additional Account Segment 1 Hierarchy Input Source1 query subject, under the Additional Account Segment 1 Hierarchy Additional Account Segment 1 Hierarchy Input Source1 namespace, and click the **Filters** tab.
7. For each filter, click the ellipses button in the Source column to add the segment-type identifier to the Config\_Parameter value, and click **OK**.

## Load Management for AR Aging

AR Aging provides balances for each load from the first load and for each run of load management thereafter. AR Aging is sourced from AR Invoice. Therefore you must run load management for AR Aging

- after you run load management for AR Invoice
- at least once per period

Ensure that you back up your database at least once for each period as past data is not recoverable.

## Load Management for AR Aging Balance

AR Aging Balance is an "as of balance" fact. When you perform load management for it, ensure that you set the **Complete Reload** property to **Yes**.



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# Chapter 4: Warehouse Objects

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The warehouse model provides the structure of the data for reporting purposes. It contains information about warehouse objects and their properties.

Objects in the source and target models are referenced by objects in the warehouse model. For example, every input source of a data flow in a warehouse object is associated with a model query subject and a namespace in the source and target models.

The reference material in this guide documents the properties for the objects that are prepackaged with Cognos 8 Payables Analytics for JD Edwards.

If you customize an object by changing its business rule or renaming it, this reference information is out-of-date. To find information about objects, you can explore them in Adaptive Warehouse or use lineage information in Adaptive Analytics.

The following section describes each warehouse object and its related warehouse items.

**Note:** The objects listed in this section vary between ERP versions.

## Additional Account Segment 1

The following sections list the warehouse object items and dataflows associated with the Additional Account Segment 1 warehouse object.

### Warehouse Object Items

The warehouse object items associated with Additional Account Segment 1 are shown in this table.

Warehouse Object Item	Type
Set of Books Identifier	Business Key
Set of Books Name	Attribute
Additional Account Segment 1 Code	Business Key
Additional Account Segment 1 Name	Attribute

### Dataflows

The following dataflows are associated with the Additional Account Segment 1 warehouse object.

#### Additional Account Segment 1 Dataflow

This dataflow contains only one input source, which is not mapped to specific tables or calculations. You can use it to extend the content by further segmenting the warehouse objects, depending on the needs of your business.

## Additional Account Segment 1 Hierarchy

The following sections list the warehouse object items and dataflows associated with the Additional Account Segment 1 Hierarchy warehouse object.

### Warehouse Object Items

The warehouse object items associated with Additional Account Segment 1 Hierarchy are shown in this table.

Warehouse Object Item	Type
Set of Books Identifier	Business Key
Set of Books Name	Attribute
Additional Account Segment 1 Code	Business Key
Additional Account Segment 1 Name	Attribute
Hierarchy Level Number	Attribute
Additional Account Segment 1 Level 01 Code	Attribute
Additional Account Segment 1 Level 01 Name	Attribute
Additional Account Segment 1 Level 02 Code	Attribute
Additional Account Segment 1 Level 02 Name	Attribute
Additional Account Segment 1 Level 03 Code	Attribute
Additional Account Segment 1 Level 03 Name	Attribute
Additional Account Segment 1 Level 04 Code	Attribute
Additional Account Segment 1 Level 04 Name	Attribute
Additional Account Segment 1 Level 05 Code	Attribute
Additional Account Segment 1 Level 05 Name	Attribute

### Dataflows

The following dataflows are associated with the Additional Account Segment 1 Hierarchy warehouse object.

### Additional Account Segment 1 Hierarchy Dataflow

This dataflow contains only one input source, which is not mapped to specific tables or calculations. You can use it to extend the content by further segmenting the warehouse objects, depending on the needs of your business.

## AR Account Class

The following sections list the warehouse object items and dataflows associated with the AR Account Class warehouse object.

### Warehouse Object Items

The warehouse object items associated with AR Account Class are shown in this table.

Warehouse Object Item	Type
Account Class Code	Business Key
Account Class Description	Attribute
Account Class Meaning	Attribute

### Dataflows

The following dataflows are associated with the AR Account Class warehouse object.

#### Dataflow (AR Account Class)

This dataflow contains the AR Account Class Input Source, which gets information from the FND\_LOOKUP\_VALUES - FND table.

There are no filters associated with Current Period Input Source.

## AR Adjustment Activity Type

The following sections list the warehouse object items and dataflows associated with the AR Adjustment Activity Type warehouse object.

### Warehouse Object Items

The warehouse object items associated with AR Receipt Activity are shown in this table.

Warehouse Object Item	Type
Adjustment Reason Code	Business Key
Adjustment Reason Description	Attribute

Warehouse Object Item	Type
Adjustment Transaction Type Code	Business Key
Adjustment Transaction Type Description	Attribute
Bad Debt Multiplier	Attribute
Billing Error Multiplier	Attribute
Returns Multiplier	Attribute

## Dataflows

The following dataflows are associated with the AR Adjustment Activity Type warehouse object.

### AR Adjustment Activity Type Dataflow

The AR Adjustment Activity Type dataflow contains the AR Adjustment Activity Type Input Source which gets information from the following tables:

- FND\_LOOKUP\_VALUES
- AR\_RECEIVABLES\_TRX\_ALL - AR

The AR Adjustment Activity Type Input Source has one filter, TYPE FILTER.

## AR Invoice Activity Type

The following sections list the warehouse object items and dataflows associated with the AR Invoice Activity Type warehouse object.

### Warehouse Object Items

The warehouse object items associated with AR Invoice Activity Type are shown in this table.

Warehouse Object Item	Type
Charge Back Multiplier	Attribute
Credit Sale Multiplier	Attribute
CUST_TRX_TYPE_ID	Business Key
Invoice Document Type Code	Business Key
Invoice Document Type Description	Attribute

Warehouse Object Item	Type
Invoice Transaction Type Code	Business Key
Invoice Transaction Type Description	Attribute
ORG_ID	Business Key
ORG_NM	Attribute
Payment Terms Code	Business Key
Payment Terms Description	Attribute

## Dataflows

The following dataflows are associated with the AR Invoice Activity Type warehouse object.

### AR Invoice Activity Type Dataflow

The AR Invoice Activity Type dataflow contains two input sources: AR Invoice Activity Type Input Source and AR Invoice Activity Type Input Source1.

The AR Invoice Activity Type Input Source gets information from the following tables:

- FND\_LOOKUP\_VALUES
- RA\_CUST\_TRX\_TYPES\_ALL - AR
- RA\_TERMS\_TL - AR
- AR Invoice Activity Type Input Source

The AR Invoice Activity Type Input Source1 gets information from the following tables:

- FND\_LOOKUP\_VALUES
- AR Invoice Activity Type Input Source1

There are no filters associated with either of the input sources.

## AR Receipt Activity Type

The following sections list the warehouse object items and dataflows associated with the AR Receipt Activity warehouse object.

### Warehouse Object Items

The warehouse object items associated with AR Receipt Activity are shown in this table.

Warehouse Object Item	Type
Receipt Transaction Type Code	Business Key
Receipt Transaction Type Description	Attribute

## Dataflows

The following dataflows are associated with the AR Receipt Activity Type warehouse object.

### AR Receipt Activity Type Dataflow

The AR Receipt Activity Type dataflow contains the AR Receipt Activity Type Input Source which gets information from the FND\_LOOKUP\_VALUES table.

There are no filters associated with the AR Receipt Activity Type Input Source.

## AR Receipt Application Type

The following sections list the warehouse object items and dataflows associated with the AR Receipt Application Type warehouse object.

### Warehouse Object Items

The warehouse object items associated with AR Receipt Activity are shown in this table.

Warehouse Object Item	Type
Receipt Application Status	Business Key
Receipt Application Status Name	Attribute
Receipt Application Type Code	Business Key
Receipt Application Type Name	Attribute

## Dataflows

The following dataflows are associated with the AR Receipt Application Type warehouse object.

### AR Receipt Application Type Dataflow

The AR Receipt Application Type dataflow contains the AR Receipt Application Type Input Source which gets information from the following tables:

- RECEIPT\_APPLICATION\_TYPE\_LOOKUP
- RECEIPT\_APPLICATION\_STATUS\_LOOKUP

There are no filters associated with the AR Receipt Application Type input source.

## Calendar

The following sections list the warehouse object items and dataflows associated with the Calendar warehouse object.

### Warehouse Object Items

There are no warehouse object items associated with Calendar.

### Dataflows

There are not dataflows associated with the Calendar warehouse object.

## Chart of Accounts

The following sections list the warehouse object items and dataflows associated with the Chart of Accounts warehouse object.

### Warehouse Object Items

The warehouse object items associated with AR Receipt Activity are shown in this table.

Warehouse Object Item	Type
Account Category Type Code	Attribute
Account Category Type Name	Attribute
Account Name	Attribute
Account Natural Sign Multiplier	Calculation
Account Number	Business Key
ACCOUNT_NUMBER_HIGH	Attribute
ACCOUNT_NUMBER_LOW	Attribute
Accounts Payable Multiplier	Attribute
Balance Sheet Multiplier	Attribute
Bank Advances Multiplier	Attribute
Blocked Indicator	Attribute
Capital Stock Multiplier	Attribute

Warehouse Object Item	Type
Capitalized Interest Multiplier	Attribute
Capitalized Lease Payments Multiplier	Attribute
Cash Flow Statement Multiplier	Attribute
Cash Multiplier	Attribute
Common Share Capital Multiplier	Attribute
Contributed Surplus Multiplier	Attribute
Cost of Goods Sold Multiplier	Attribute
Current Assets Multiplier	Attribute
Current Income Taxes Multiplier	Attribute
Current Liabilities Multiplier	Attribute
Deferred Charges Multiplier	Attribute
Deferred Income Multiplier	Attribute
Deferred Income Taxes Multiplier	Attribute
Depreciation Multiplier	Attribute
Discounts Multiplier	Attribute
Dividends Payable Multiplier	Attribute
Equity Income Multiplier	Attribute
Excise Tax Multiplier	Attribute
Expense Multiplier	Attribute
First Mortgage Bonds Due Multiplier	Attribute
Fixed Assets Multiplier	Attribute
Fixed Charges Multiplier	Attribute

Warehouse Object Item	Type
Foreign Currency Adjustment Multiplier	Attribute
Gross Operating Profit Multiplier	Attribute
Income Statement Multiplier	Attribute
Income Taxes Payable Multiplier	Attribute
Intangible Assets Multiplier	Attribute
Interest Income Multiplier	Attribute
Inventory Multiplier	Attribute
Long-Term Debt Multiplier	Attribute
Marketable Security Multiplier	Attribute
Minority Interest Multiplier	Attribute
Miscellaneous Assets Multiplier	Attribute
MULTIPLIER_NAME	Attribute
Multiplier_Value	Attribute
Net Income Before Income Tax Multiplier	Attribute
Net Income BEI Multiplier	Attribute
Net Income Multiplier	Attribute
Net Operating Profit Multiplier	Attribute
Net Sales Multiplier	Attribute
Other Liabilities Multiplier	Attribute
Postable Account Indicator	Attribute
Preferred Share Capital Multiplier	Attribute
Prepaid Expense Multiplier	Attribute

Warehouse Object Item	Type
Receivable Multiplier	Attribute
Retained Earnings Multiplier	Attribute
Returns and Allowances Multiplier	Attribute
Sales Multiplier	Attribute
Set of Books Identifier	Business Key
Set of Books Name	Attribute
Short-Term Debt Multiplier	Attribute
Total Assets Multiplier	Attribute
Total Debt Multiplier	Attribute
Total Equity Multiplier	Attribute
Total Expenses Multiplier	Attribute
Total Income Tax Expenses Multiplier	Attribute
Total Liabilities Multiplier	Attribute
Total Sales Multiplier	Attribute

## Dataflows

The following dataflows are associated with the Chart of Accounts warehouse object.

### Dataflow (Chart of Accounts)

This dataflow contains the Chart of Accounts Input Source which gets information from the following tables:

- GL\_SETS\_OF\_BOOKS - SQLGL
- FND\_FLEX\_VALUES - FND
- FND\_FLEX\_VALUES\_TL - FND

Filters associated with the Chart of Accounts Input Source include

- ID\_FLEX\_CODE
- SEGMENT\_ATTRIBUTE\_TYPE

### Multiplier Dataflow

The Multiplier Dataflow sets the multiplier information for the accounts. It contains a Row-to-Column Pivot transformation which transforms data in the flat file so it can be merged into the Chart of Accounts table in the warehouse.

It contains one input source which gets information from the following tables:

- COA
- COA\_RANGES

There are no filters associated with the input source.

## Chart of Accounts Hierarchy

The following sections list the warehouse object items and dataflows associated with the Chart of Accounts Hierarchy warehouse object.

### Warehouse Object Items

The warehouse object items associated with AR Receipt Activity are shown in this table.

Warehouse Object Item	Type
Account Level 01 -15 Name	Attribute
Account Level 01 -15 Number	Attribute
Account Name	Attribute
Account Number	Business Key
Child Code	Attribute
Child Code Level 01 - 15	Attribute
FLEX_VALUE_SET_ID	Attribute
GrandParent Account Number	Attribute
Level Number	Attribute
Parent Account Number	Attribute
Parent Code	Attribute
Set of Books Identifier	Business Key

Warehouse Object Item	Type
Set of Books Name	Attribute

## Dataflows

The following dataflows are associated with the Chart of Accounts Hierarchy warehouse object.

### Chart of Accounts Hierarchy Dataflow

The Chart of Accounts Hierarchy dataflow contains two input sources: Chart of Accounts Hierarchy Input Source and Chart of Accounts Hierarchy Input Source1.

The Chart of Accounts Hierarchy Input Source gets information from the following tables:

- Child Query Subject
- Parent Query Subject
- Chart of Accounts Hierarchy Input Source

There are no filters associated with the Chart of Accounts Hierarchy Input Source.

The Chart of Accounts Hierarchy Input Source1 gets information from the following tables:

- GL\_SETS\_OF\_BOOKS
- Top\_Nodes

Filters associated with the Chart of Accounts Hierarchy Input Source1 include:

- SEGMENT\_ATTRIBUTE\_TYPE
- ID\_FLEX\_CODE

## Company

The following sections list the warehouse object items and dataflows associated with the Company warehouse object.

### Warehouse Object Items

The warehouse object items associated with AR Receipt Activity are shown in this table.

Warehouse Object Item	Type
Company Code	Business Key
Company Name	Attribute
Local Currency Code	Attribute

Warehouse Object Item	Type
Set of Books Identifier	Business Key
Set of Books Name	Attribute

## Dataflows

The following dataflows are associated with the Company warehouse object.

### Company Dataflow

This dataflow contains the Company Input Source which gets its information from the following tables:

- GL\_SETS\_OF\_BOOKS
- FND\_FLEX\_VALUES
- FND\_FLEX\_VALUES\_TL

Filters associated with the Company Input Source include

- ID\_FLEX\_CODE
- SEGMENT\_ATTRIBUTE\_TYPE

## Company Hierarchy

The following sections list the warehouse object items and dataflows associated with the Company Hierarchy warehouse object.

### Warehouse Object Items

The warehouse object items associated with AR Receipt Activity are shown in this table.

Warehouse Object Item	Type
Child Code	Attribute
Child Code Level 01 - 15	Attribute
Company Code	Business Key
Company Level 01 - 05 Code	Attribute
Company Level 01 - 05 Name	Attribute
Company Name	Attribute

Warehouse Object Item	Type
FLEX_VALUE_SET_ID	Attribute
GrandParent Company Code	Attribute
Level Number	Attribute
Parent Code	Attribute
Parent Company Code	Attribute
Set of Books Identifier	Business Key
Set of Books Name	Attribute

## Dataflows

The following dataflows are associated with the Company Hierarchy warehouse object.

### Company Hierarchy Dataflow

This dataflow contains two input sources: Company Hierarchy Input Source and Company Input Hierarchy Source1.

The Company Hierarchy Input Source gets information from the Child Query Subject and the Parent Query Subject tables, as well as the Company Hierarchy Input Source. There are no filters associated with the Company Hierarchy Input Source.

The Company Hierarchy Input Source1 gets information from the GL\_SETS\_OF\_BOOKS and Top\_Nodes tables. Filters associated with the input source include:

- SEGMENT\_ATTRIBUTE\_TYPE
- ID\_FLEX\_CODE

## Financial Currency

The following sections list the warehouse object items and dataflows associated with the Financial Currency warehouse object.

### Warehouse Object Items

The warehouse object items associated with AR Receipt Activity are shown in this table.

Warehouse Object Item	Type
Exchange Rate	Attribute

Warehouse Object Item	Type
From Currency Code	Business Key
From Currency Name	Attribute
Rate Published Date	Business Key
Rate Type Code	Business Key
To Currency Code	Business Key
To Currency Name	Attribute

## Dataflows

The following dataflows are associated with the Financial Currency warehouse object.

### Financial Currency Dataflow

The Financial Currency Dataflow obtains information to be used for currency conversion. It contains two input sources: Financial Currency Input Source and Financial Currency Input Source1. Both input sources get information from the following tables:

- Currency Rates Without Effective Date
- GL\_PERIODS - SQLGL

There are no filters associated with either of the input sources.

## Fiscal Calendar

The following sections list the warehouse object items and dataflows associated with the Fiscal Calendar warehouse object.

### Warehouse Object Items

The warehouse object items associated with AR Receipt Activity are shown in this table.

Warehouse Object Item	Type
Calendar End Date	Attribute
Calendar Period Number	Business Key
Calendar Quarter Value	Attribute
Calendar Start Date	Business Key

Warehouse Object Item	Type
Calendar Variant Code	Business Key
Calendar Week Value	Attribute
Calendar Year Value	Attribute

## Dataflows

The following dataflows are associated with the Fiscal Calendar warehouse object.

### Fiscal Calendar Dataflow

The Fiscal Calendar Dataflow builds fiscal calendar information for 14 periods. It contains the Fiscal Calendar Input Source which gets information from the GL\_PERIODS - SQLGL table.

The Fiscal Calendar Input Source has one filter, ADJUSTMENT\_PERIOD\_FLAG, associated with it.

## Organization

The following sections list the warehouse object items and dataflows associated with the Organization warehouse object.

### Warehouse Object Items

The warehouse object items associated with AR Receipt Activity are shown in this table.

Warehouse Object Item	Type
Business Group Id	Attribute
Business Group Name	Attribute
Fiscal Variant Code	Attribute
Group Currency Code	Attribute
Local Currency Code	Attribute
ORG_CD_ACCNTING_INFO	Attribute
ORG_CD_ENTTY_ORG_INFO	Attribute
ORG_CD_OPERATING_UNIT	Attribute
ORG_INFO_ACCNTING_INFO	Attribute

Warehouse Object Item	Type
ORG_INFO_ENTTY_ORG_INFO	Attribute
ORG_INFO_OPERATING_UNIT	Attribute
ORG_INFO_OPERATING_UNIT	Attribute
Organization Class Code	Attribute
Organization Class Description	Attribute
Organization Code	Business Key
Organization Name	Attribute
Organization Type Code	Attribute
Organization Type Description	Attribute
PRIMARY_STRUCTURE_FLAG	Attribute
Set of Books ID	Attribute
Set of Books Name	Attribute

## Dataflows

The following dataflows are associated with the Organization warehouse object.

### Organization Dataflow

The Organization dataflow contains the Organization Input Source, which gets information from the following tables:

- HR\_ALL\_ORGANIZATION\_UNITS - PER
- HR\_ORGANIZATION\_UNITS\_V
- HR\_LOOKUPS
- PER\_ORG\_STRUCTURE\_VERSIONS - PER

Filters associated with the Organization input source include:

- CREATION\_DATE
- LAST\_UPDATE\_DATE

## Organization Hierarchy

The following sections list the warehouse object items and dataflows associated with the Organization Hierarchy warehouse object.

### Warehouse Object Items

The warehouse object items associated with AR Receipt Activity are shown in this table.

Warehouse Object Item	Type
Child Code Level 01 to 15	Attribute
Level Number	Attribute
ORG_STRUCTURE_VERSION_ID	Attribute
Organization Code	Business Key
Organization Level 01 to 15 Code	Attribute
Organization Level 01 to 15 Name	Attribute
Organization Name	Attribute
ORGANIZATION_CHILD_ID	Attribute
ORGANIZATION_PARENT_ID	Attribute
PRIMARY_STRUCTURE_FLAG	Attribute

### Dataflows

The following dataflows are associated with the Organization Hierarchy warehouse object.

#### Organization Hierarchy Dataflow

The Organization Hierarchy dataflow contains one input source which gets information from the following tables:

- HR\_ALL\_ORGANIZATION\_UNITS - PER
- PER\_ORG\_STRUCTURE\_VERSIONS - PER

Filters associated with the Organization input source include:

- CREATION\_DATE
- LAST\_UPDATE\_DATE

## User Ranges

The following sections list the warehouse object items and dataflows associated with the User Ranges warehouse object.

### Warehouse Object Items

The warehouse object items associated with AR Receipt Activity are shown in this table.

Warehouse Object Item	Type
High Range	Attribute
Low Range	Attribute
Range Key	Business Key
Range Name	Attribute
Range Type	Business Key
Ranges	Attribute

### Dataflows

The following dataflows are associated with the User Ranges warehouse object.

#### User Ranges Dataflow

The User Ranges dataflow contains the User Ranges Input Source which gets information from the User\_Ranges table.

There are no filters associated with the User Ranges input source.



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