



Asset Manager

Software Version: 9.60

Windows® and Linux® operating systems

Physical Data Models

Document Release Date: June 2016

Software Release Date: June 2016



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Chapter 1: Overview

This guide presents diagrams that correspond to the physical data models in Asset Manager.

Each of these diagrams contains one or more tables used by the modules in Asset Manager.

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Tables

Each of the tables represented in this guide is identified by its SQL name.

Examples:

- The Portfolio items table uses the SQL name **amPortfolio**.
- The Assets table uses the SQL name **amAsset**.
- The Locations table uses the SQL name **amLocation**.
- The Employees and departments table uses the SQL name **amEmpIDept**.

The most important tables in each diagram are shown as the largest.

Examples:

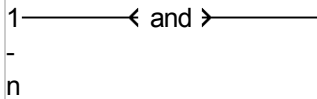
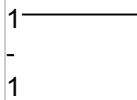
- The Assets table (**amAsset**) in the "[Assets](#)" diagram on page [15](#).
- The Cables table (**amCable**) in the "[Cables and cable devices](#)" diagram on page [39](#).
- The Taxes table (**amTax**) in the "[Taxes](#)" diagram on page [37](#).

Links

There are three types of links between tables:

- 1-1 links
- 1-n and n-1 links
- n-n links

Graphical representation of link



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Graphical representation of link

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Each of the links represented in this guide is identified by its SQL name.

Examples:

- The link going from the Portfolio items table (**amPortfolio**) to the Employees and departments table (**amEmpIDept**) has the SQL name **User**.
- The link going from the Employees and departments table (**amEmpIDept**) to the Portfolio items table (**amPortfolio**) has the SQL name **ItemsUsed**.

Note: The SQL name of a link assumes that one of the linked tables is the source table and the other is the destination table. Thus, the **User** link between the source table (**amPortfolio**) indicates that the link points to the user record of the destination table (**amEmpIDept**). Its reverse link, though, is named **ItemsUsed**. This link points to the records of the assets used by a given user. In this case, the source table is that of Employees and departments and the destination table is that of portfolio items.

In an effort not to overload our diagrams, reverse links are not represented. The choice of a link and its reverse link is arbitrary. If you want to find out what the SQL name of a reverse link is:

1. Launch Asset Manager Application Designer.
2. Open your database description.
3. Select the table of your choice.
4. Click .
5. Select a link.
6. The SQL name of its reverse link is indicated in the **Reverse link** field.

1-1 links

This kind of link means that:

- One record in the source table is linked to one record in the destination table.

Example: The **Asset** link between the Computers table (**amComputer**) and the Assets table (**amAsset**) in the "IT equipment" diagram on page 17. This link indicates that only one computer record can be linked to only one asset record.

1-n and n-1 links

A 1-n link means that:

- One record from the source table can be linked to several records in the destination table.
- Several records in the destination table can be linked to one record in the source table.

Example: The **Rents** link between the Contracts table (**amContracts**) and the Contract rents (**amCntrRent**) table in the "Contracts" diagram on page 32. This link indicates that one contract record can be linked to several contract rent records.

A n-1 link means that:

- Several records in the source table can be linked to one record in the destination table.
- One record in the destination table can be linked to several records in the source table.

Example: The **Model** link between the Assets table (**amAsset**) and the Models table (**amModel**) in the "Models" diagram on page 13. This link indicates that several asset records can correspond to the same model record.

n-n links

This type of link means that:

- Several records in the source table can be linked to several records in the destination table.

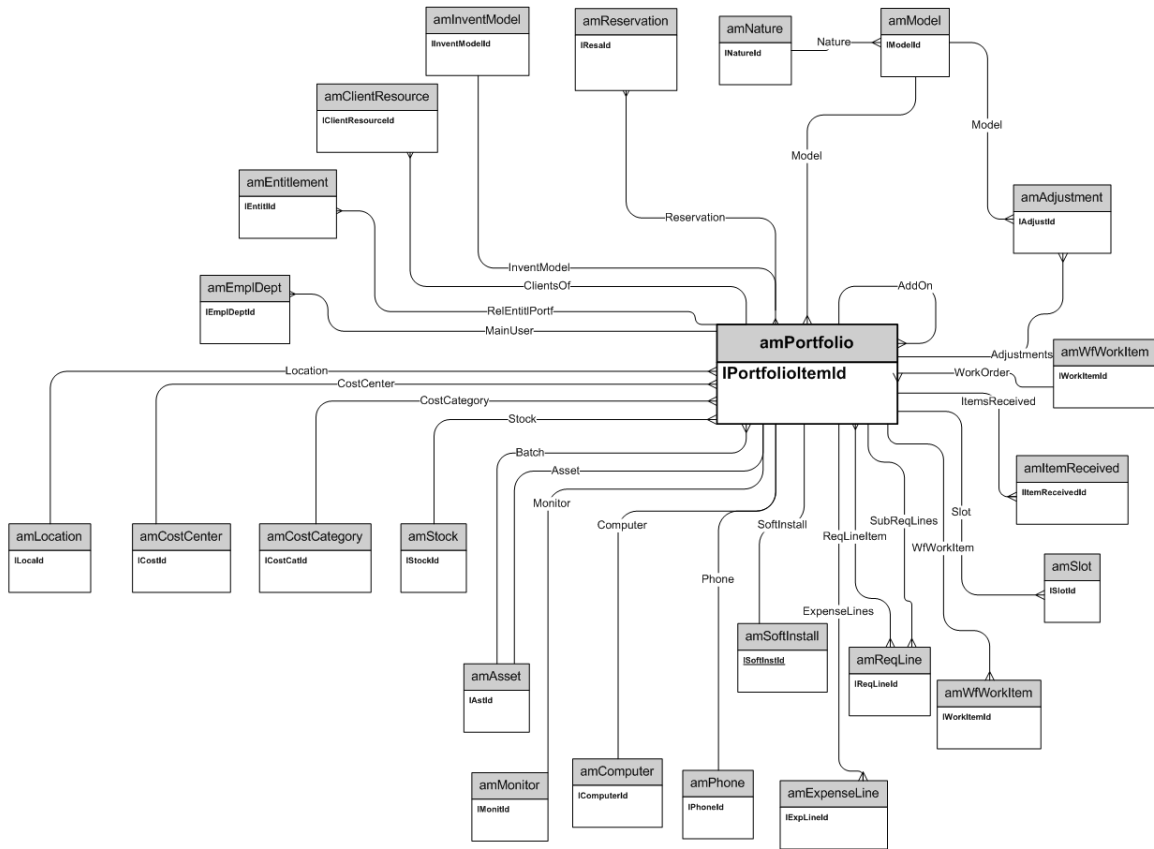
Example: The **FuncRights** link between the User profiles table (**amProfile**) and the Functional rights table (**amFuncRight**) in the [Access to the database](#) diagram on page 50. This link indicates that an asset record can be linked to several functional right records and that a functional right record can be linked to several user profile records.

Chapter 2: Portfolio

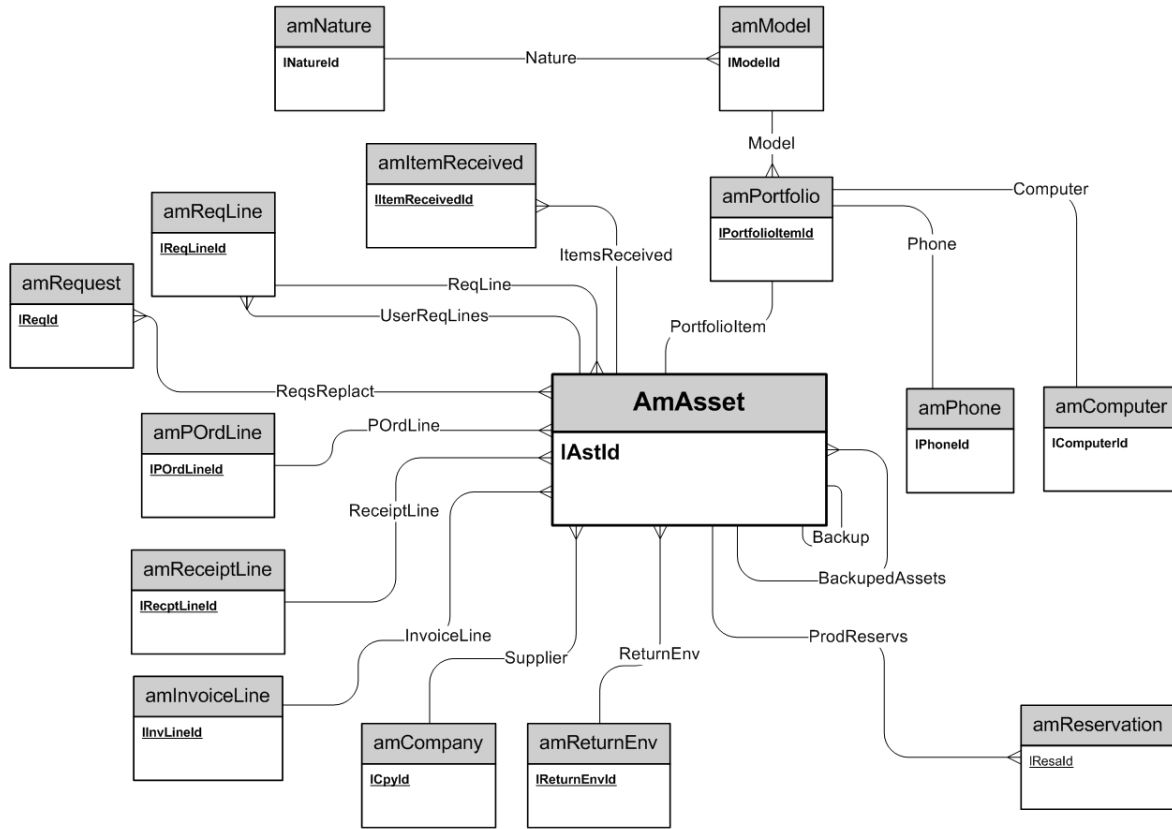
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| IT equipment | 17 |
| Cluster | 18 |
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| Telephones | 19 |
| Ports and connections | 19 |
| Work Orders | 20 |
| Projects | 21 |
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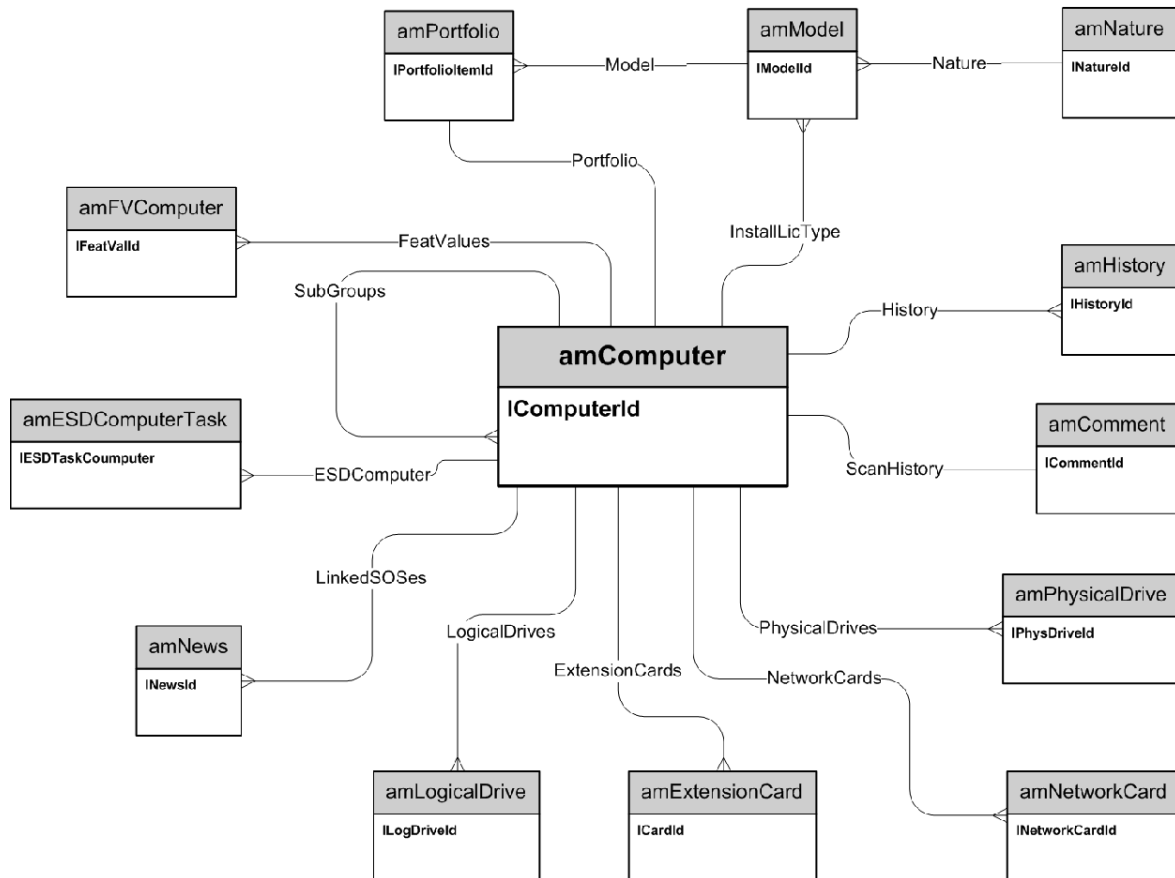
Portfolio items



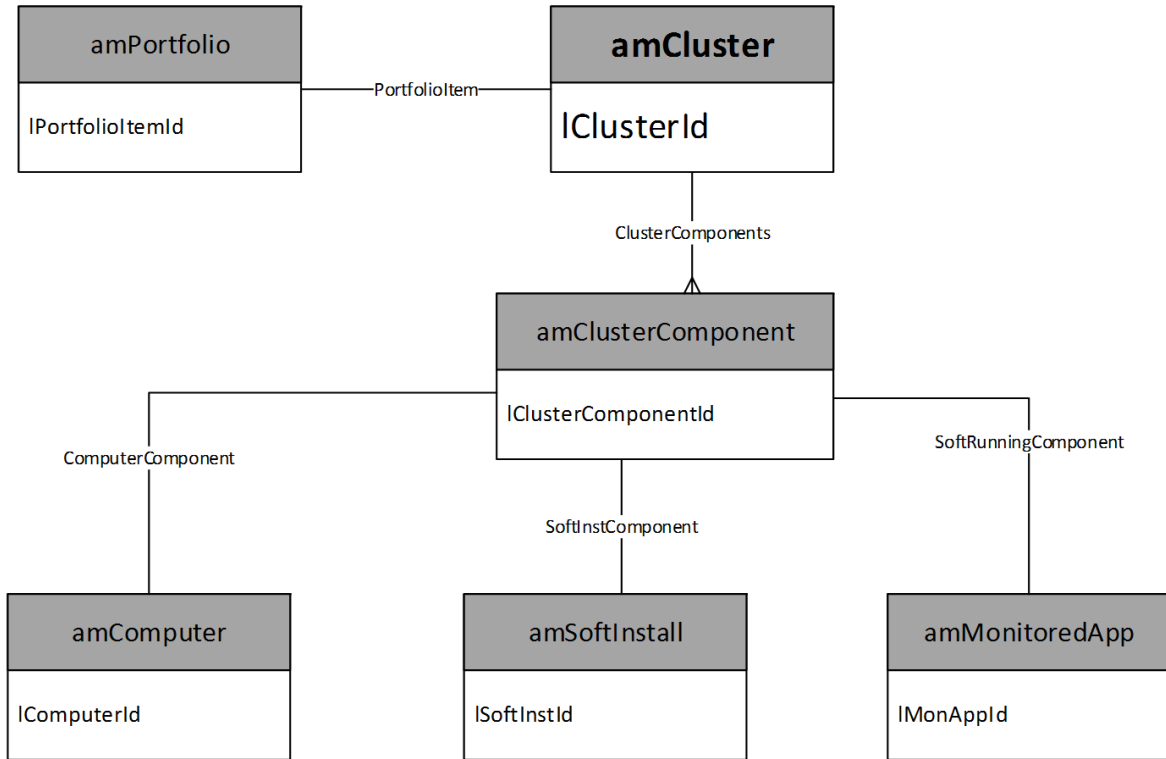
Assets linked to the procurement cycle



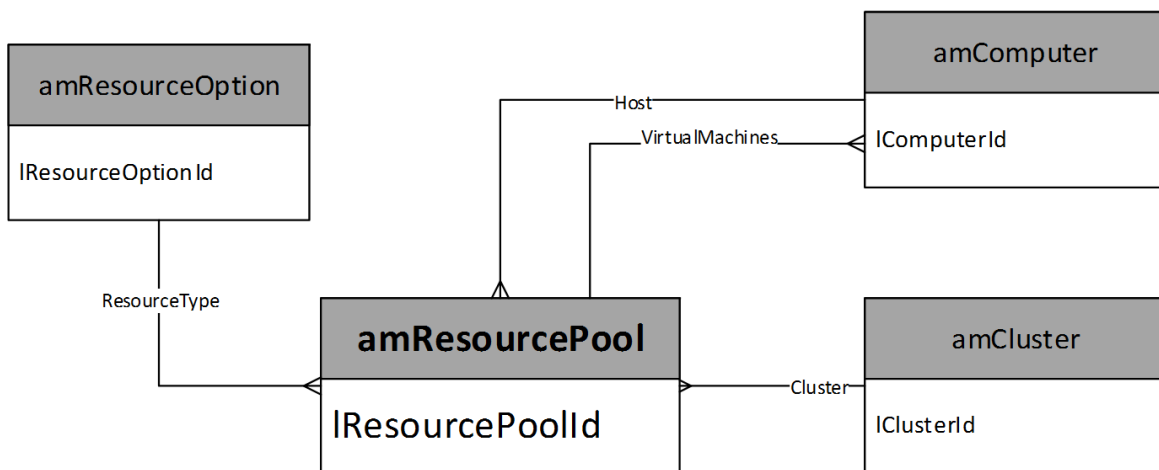
IT equipment



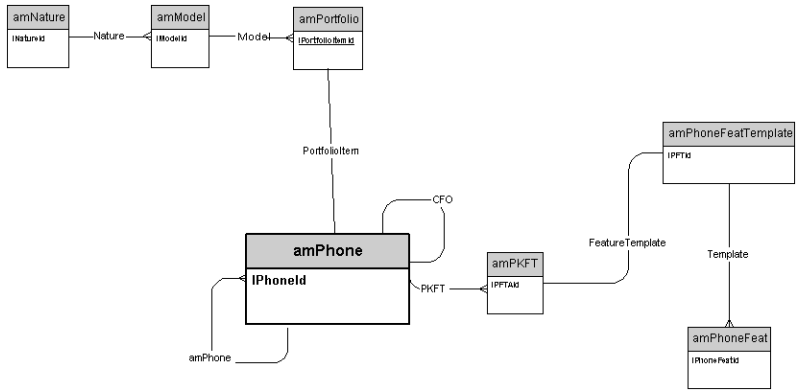
Cluster



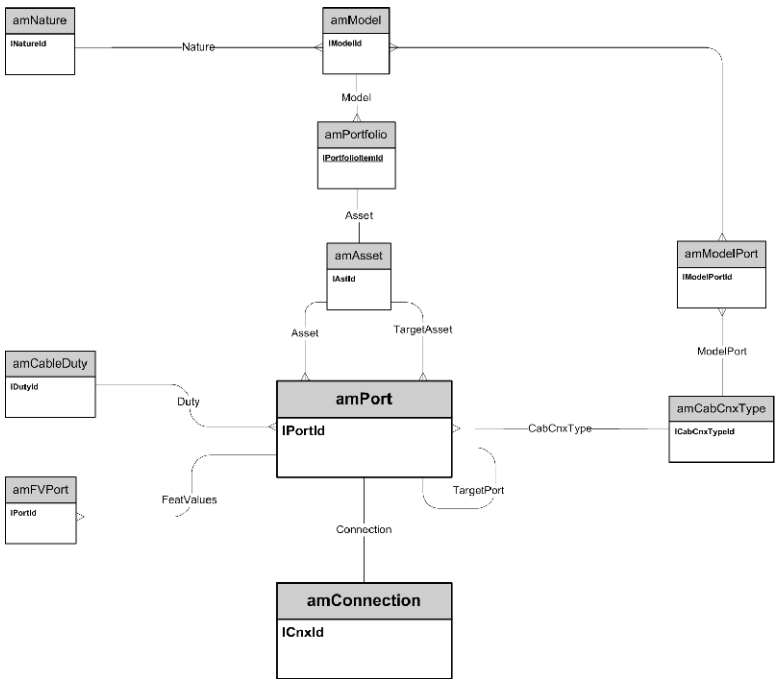
Resource pool



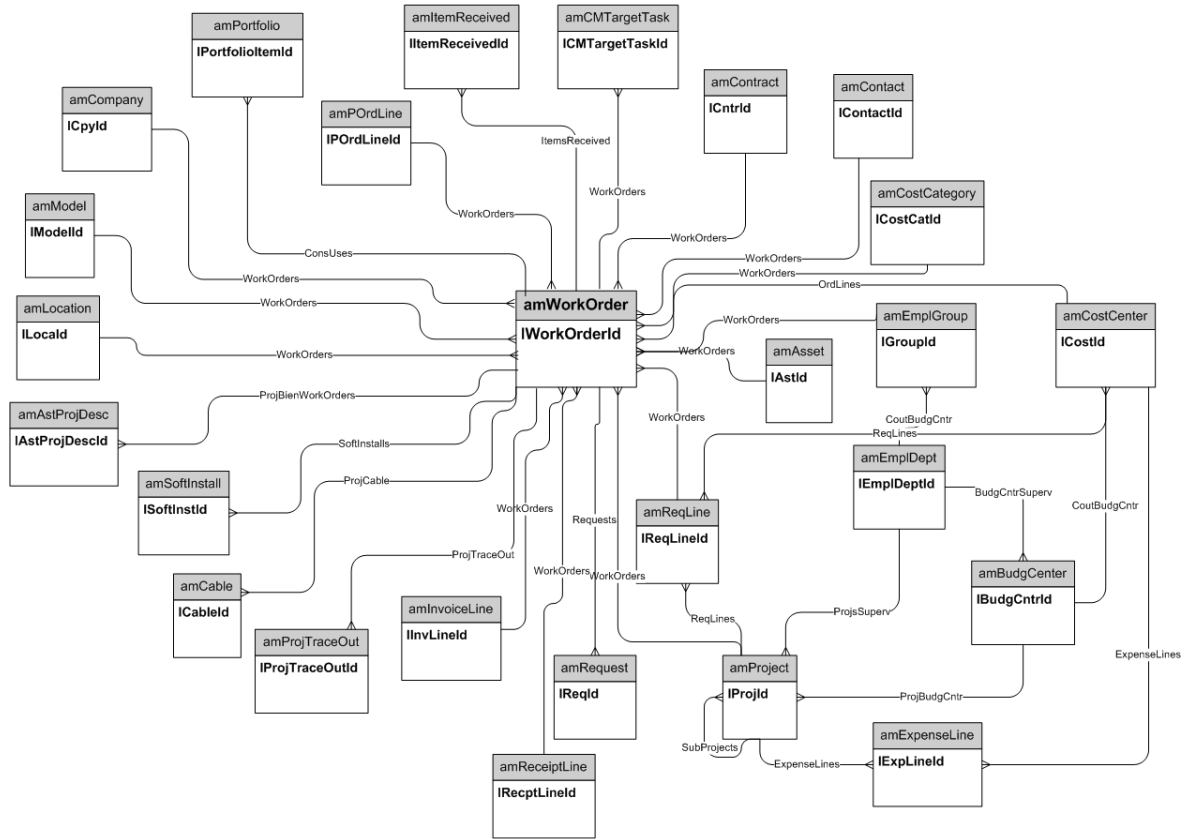
Telephones



Ports and connections

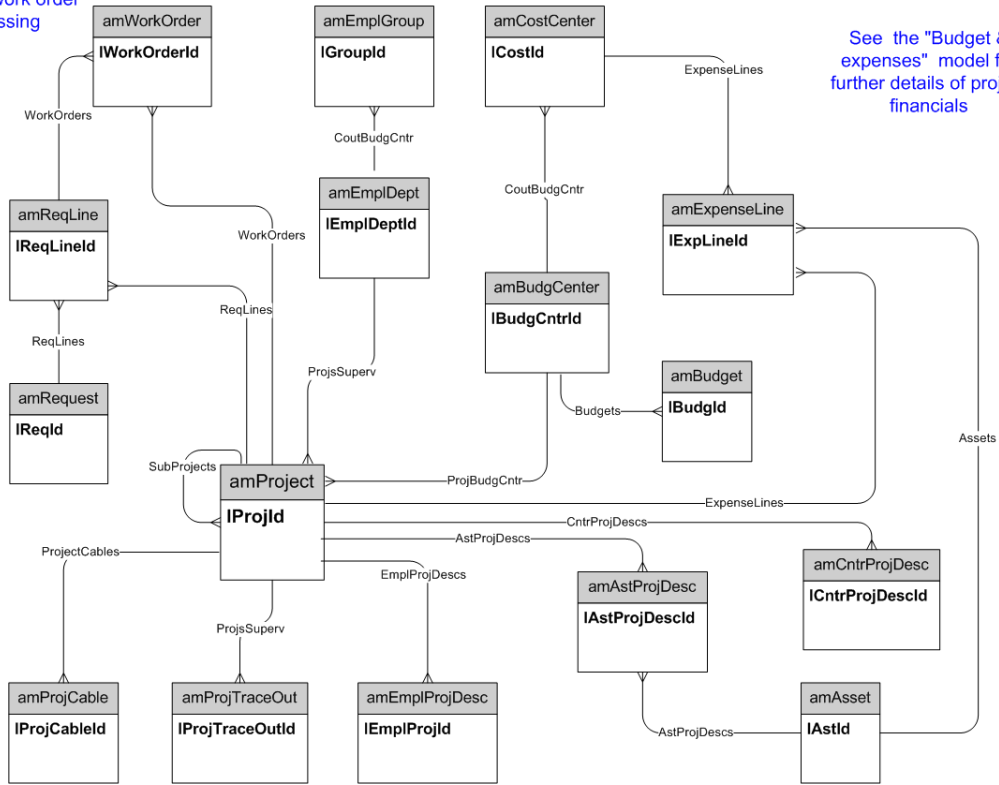


Work Orders



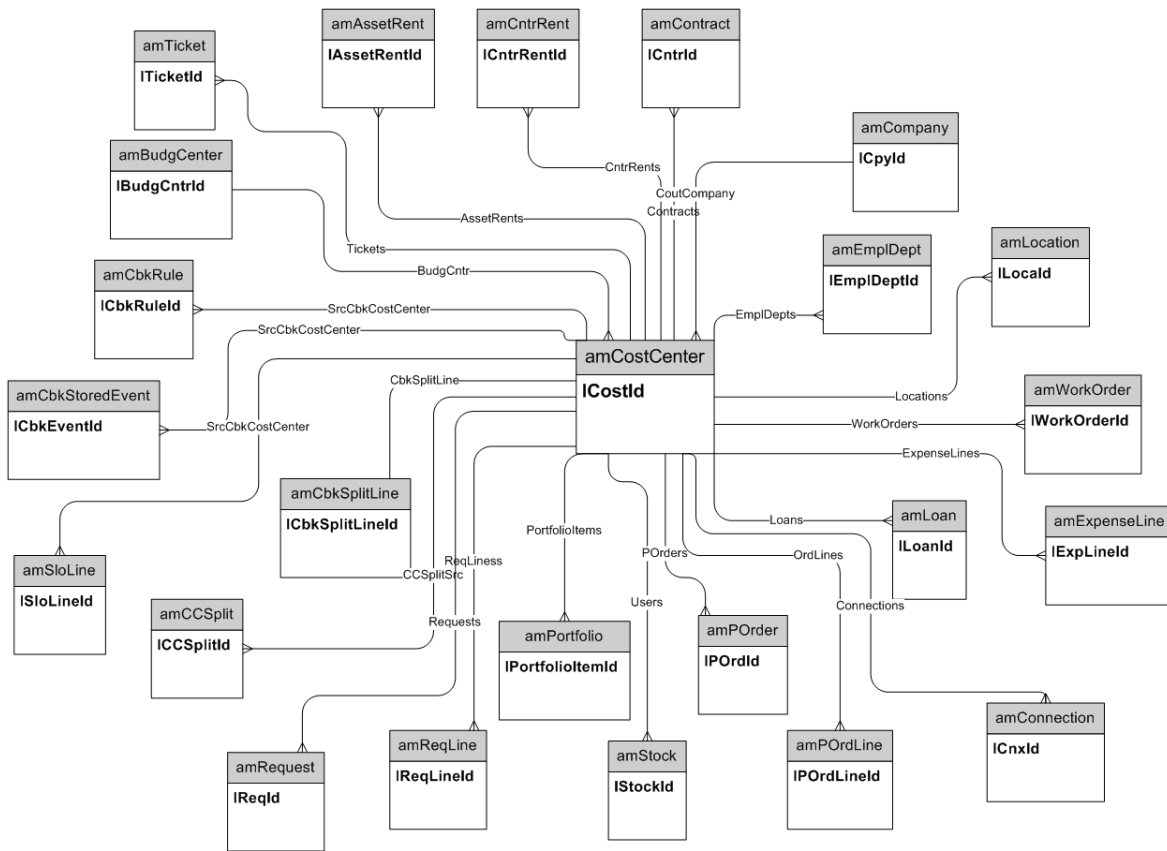
Projects

See the "Work Orders" model for further details of work order processing



See the "Budget & expenses" model for further details of project financials

Cost Centers

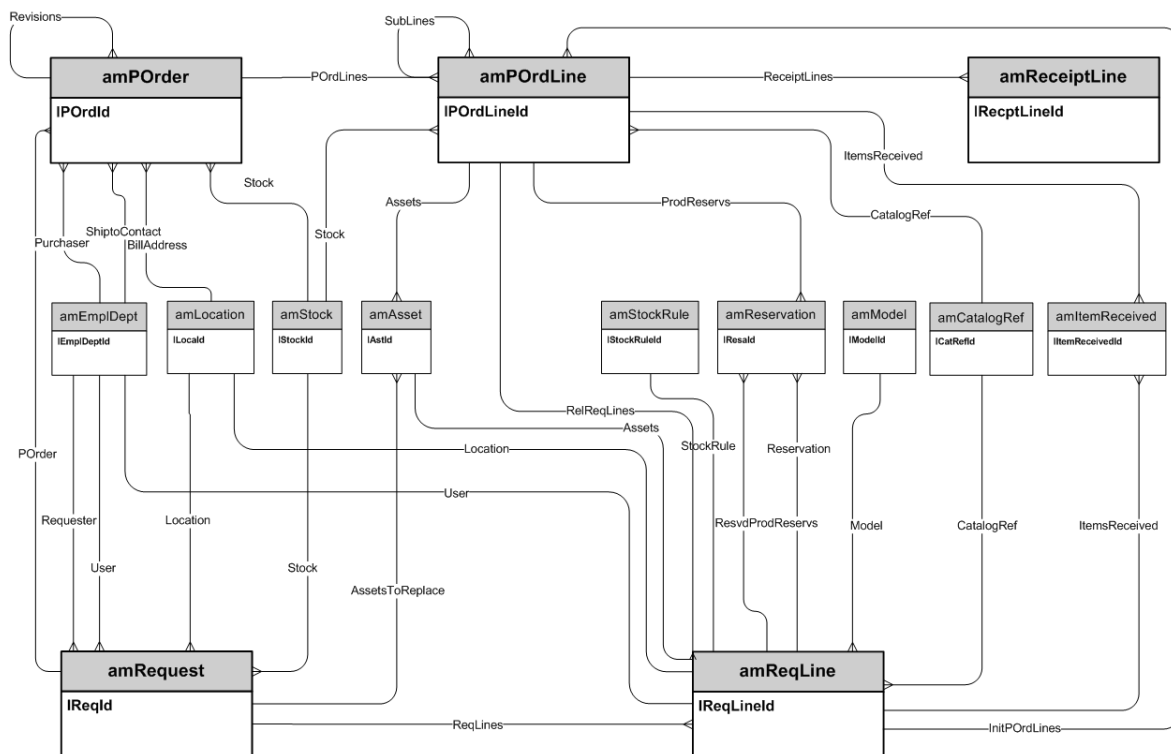


Chapter 3: Procurement cycle

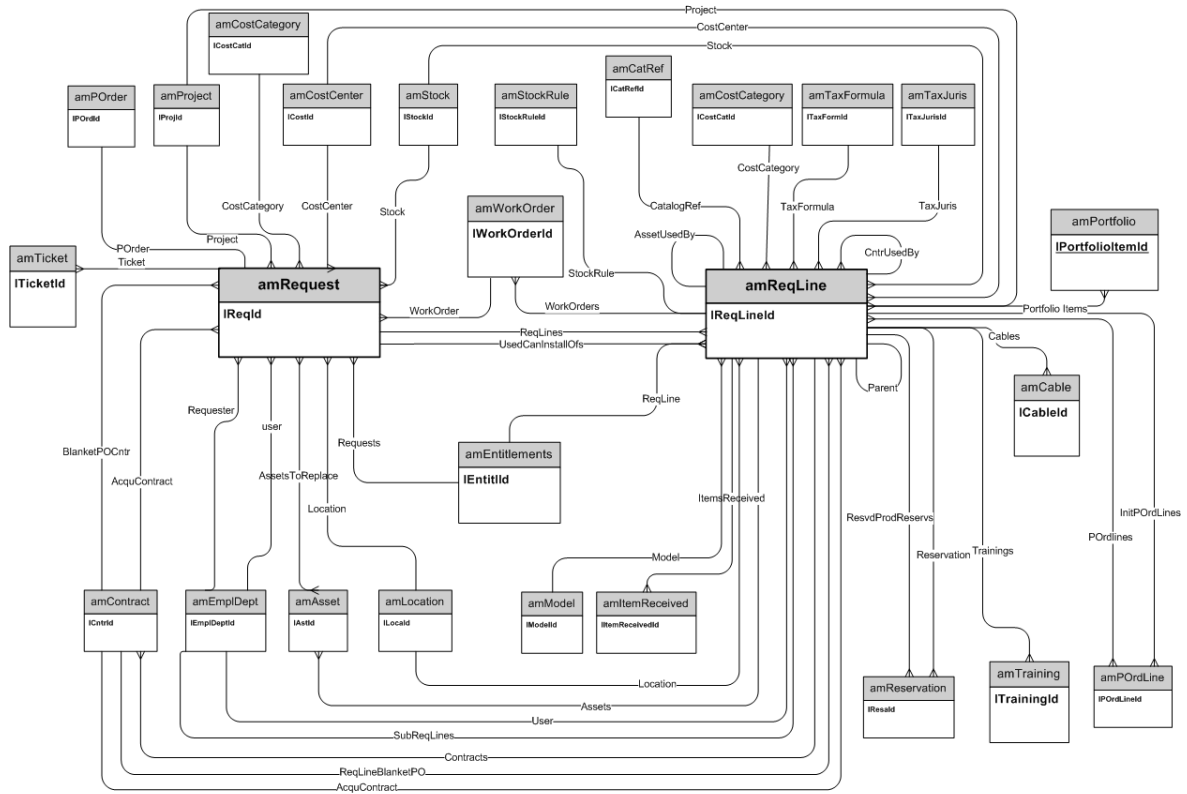
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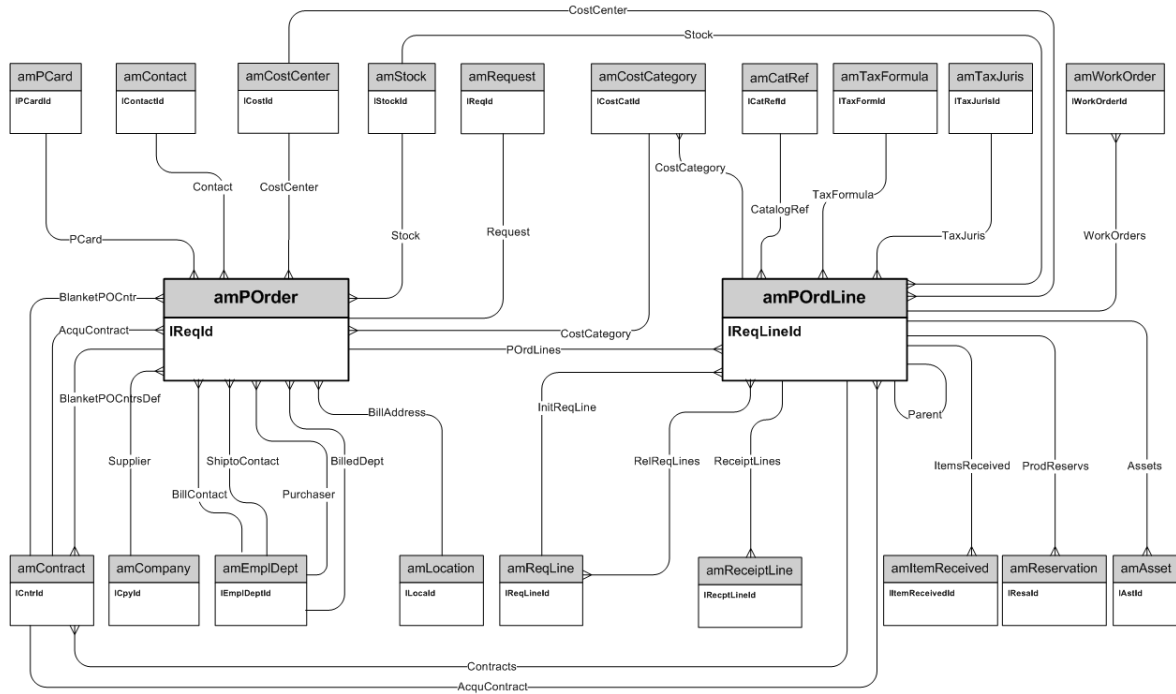
Procurement cycle



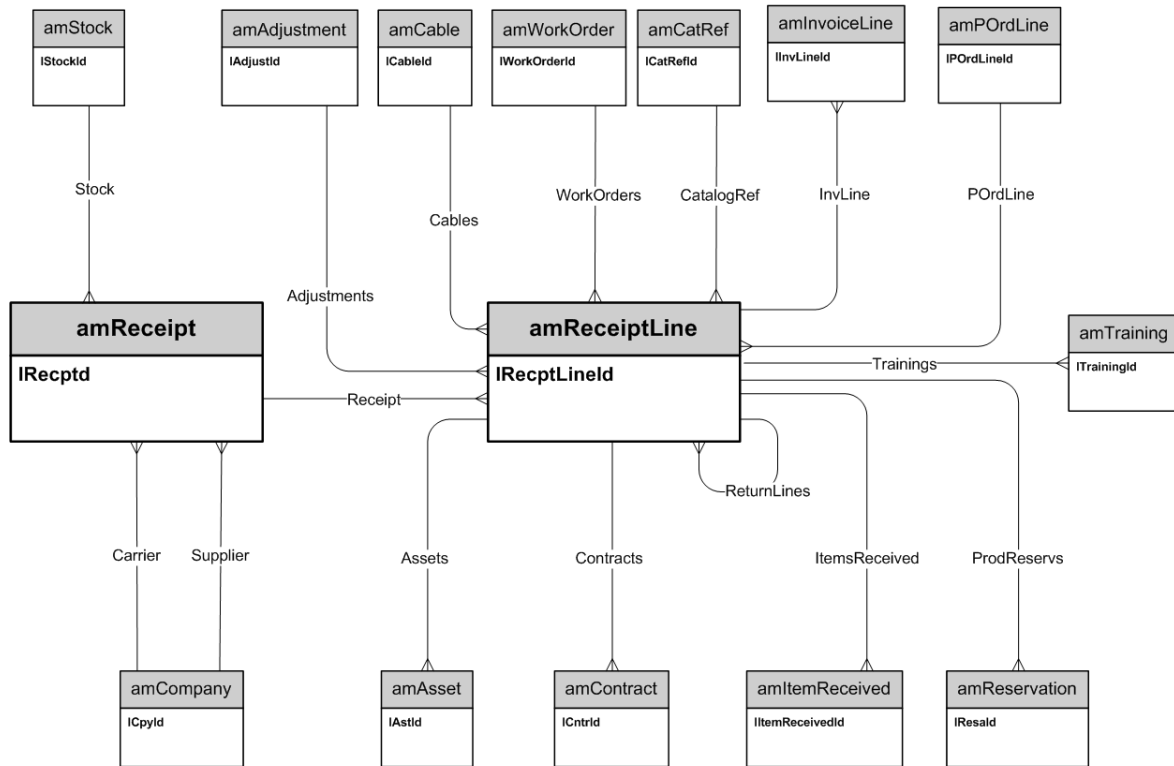
Purchase requests



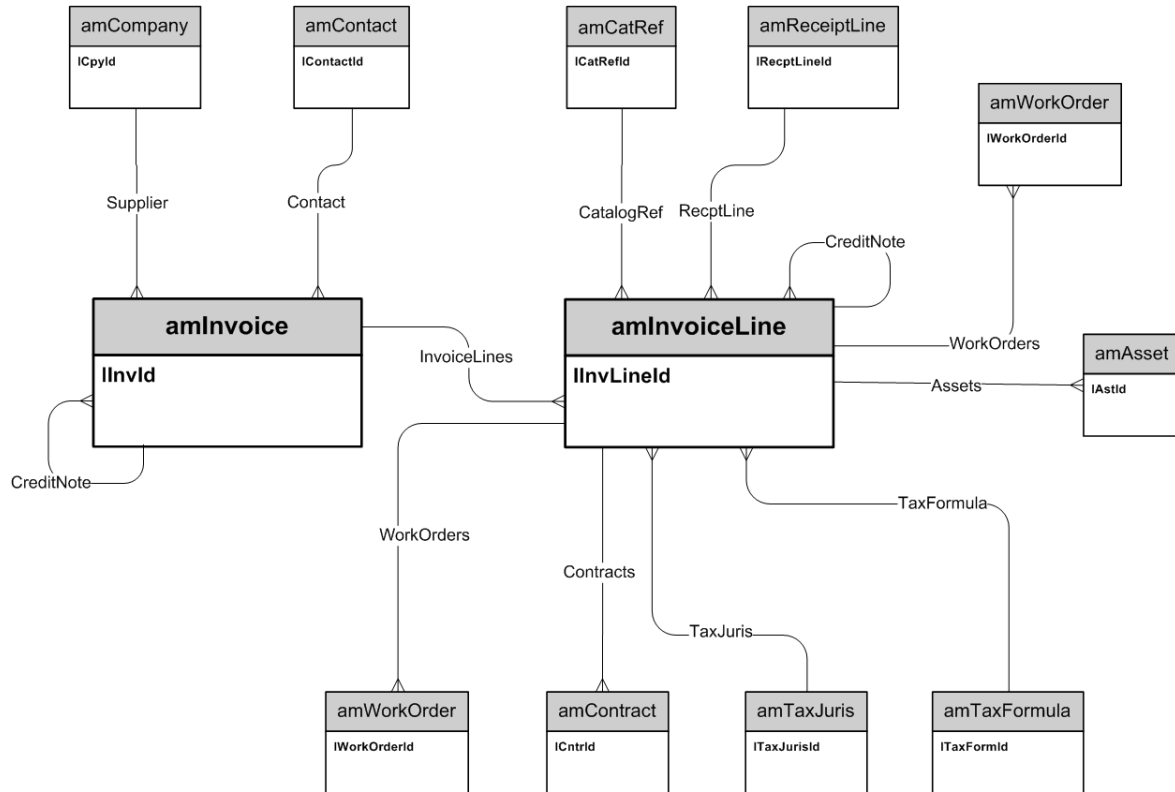
Orders



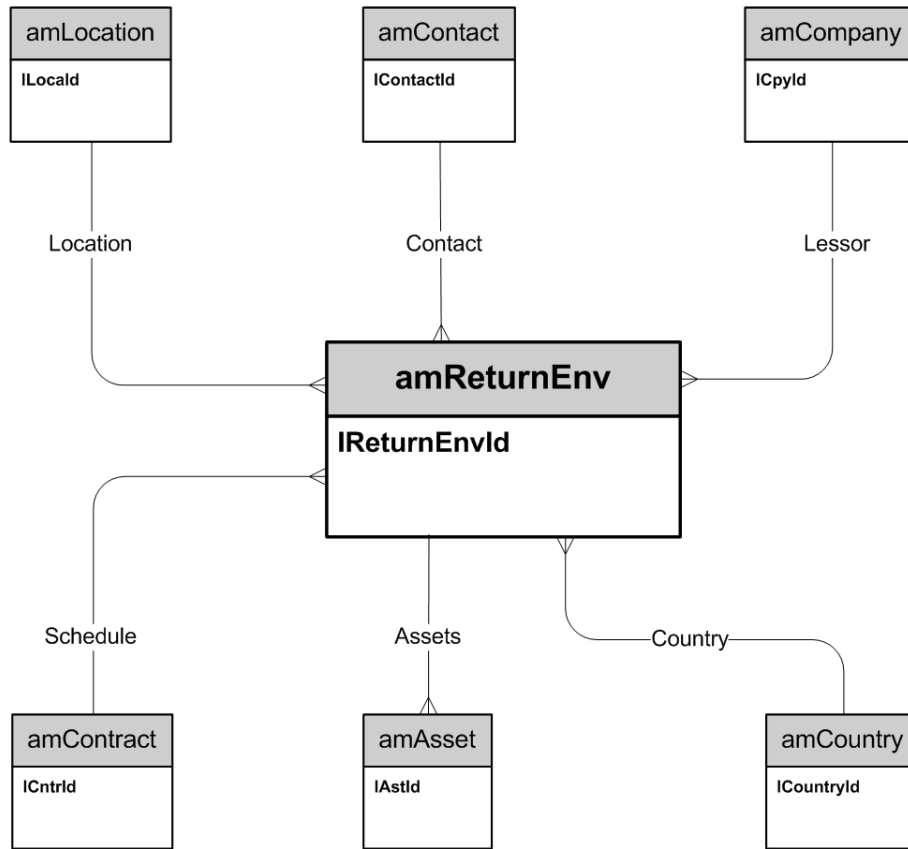
Receptions



Invoices



Assets to be returned

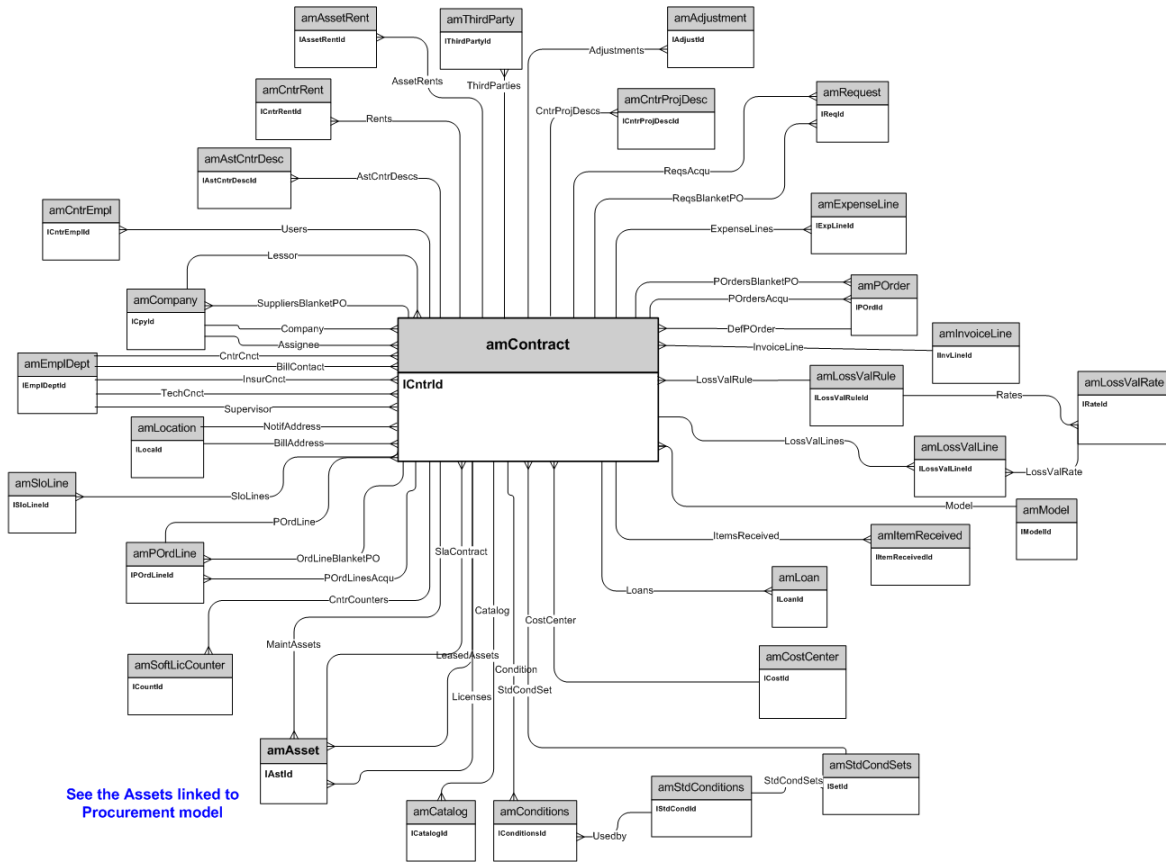


Chapter 4: Contracts

This chapter presents the diagram of the following physical data model:

| | |
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Contracts

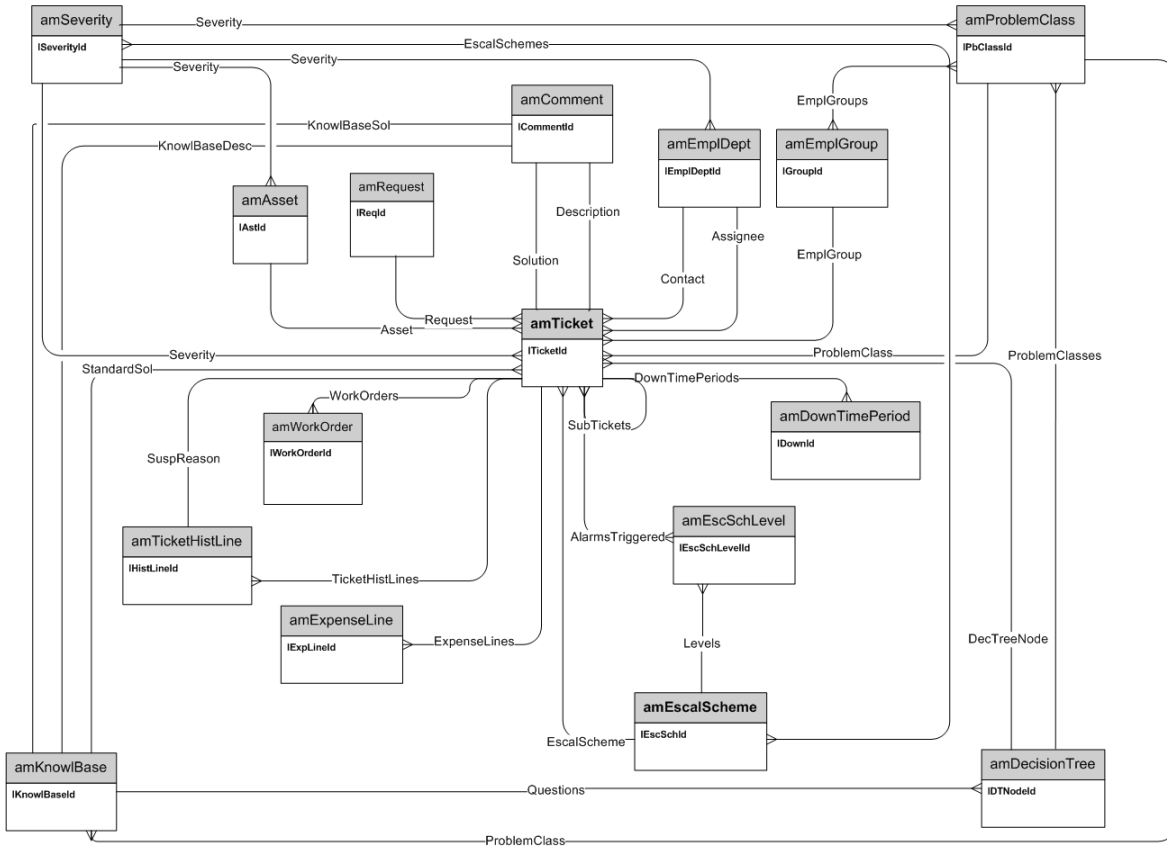


Chapter 5: Helpdesk

This chapter presents the diagram of the following physical data model:

| | |
|----------------|----|
| Helpdesk | 34 |
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Helpdesk

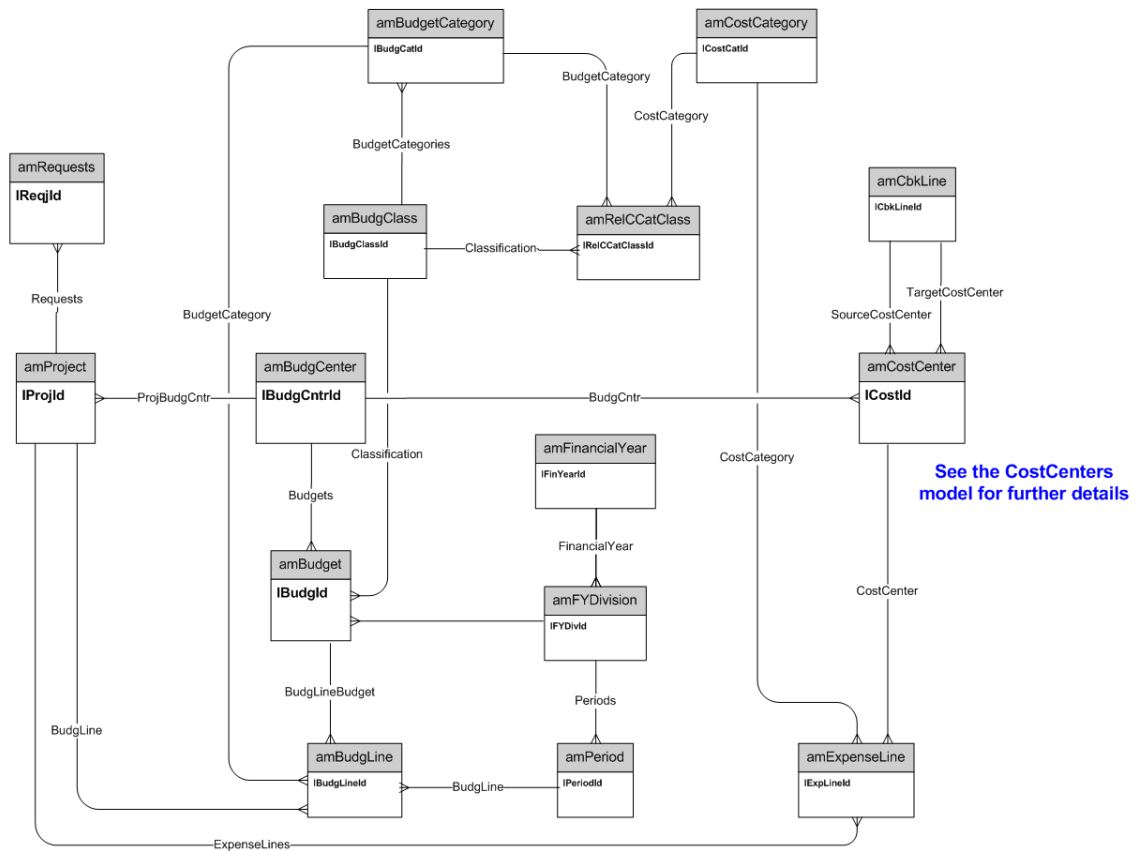


Chapter 6: Financials

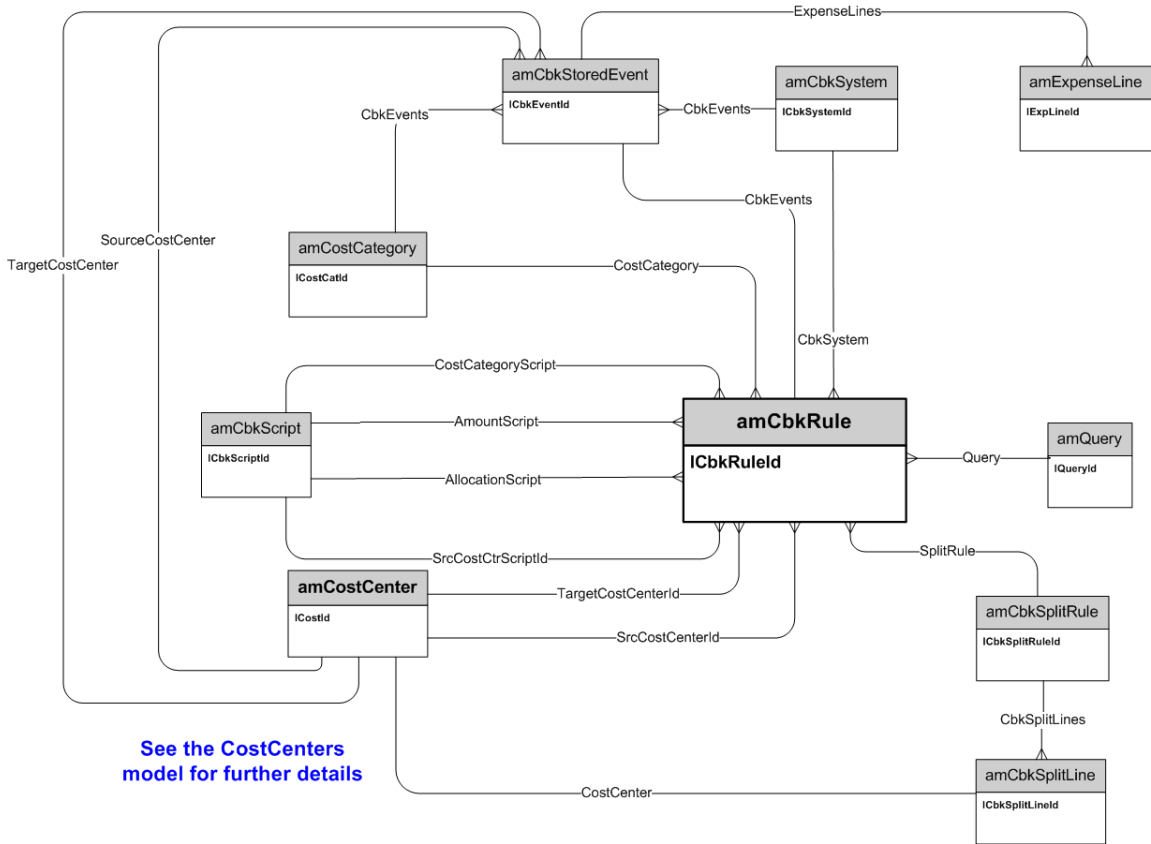
This chapter presents diagrams of the following physical data models:

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| Taxes | 37 |

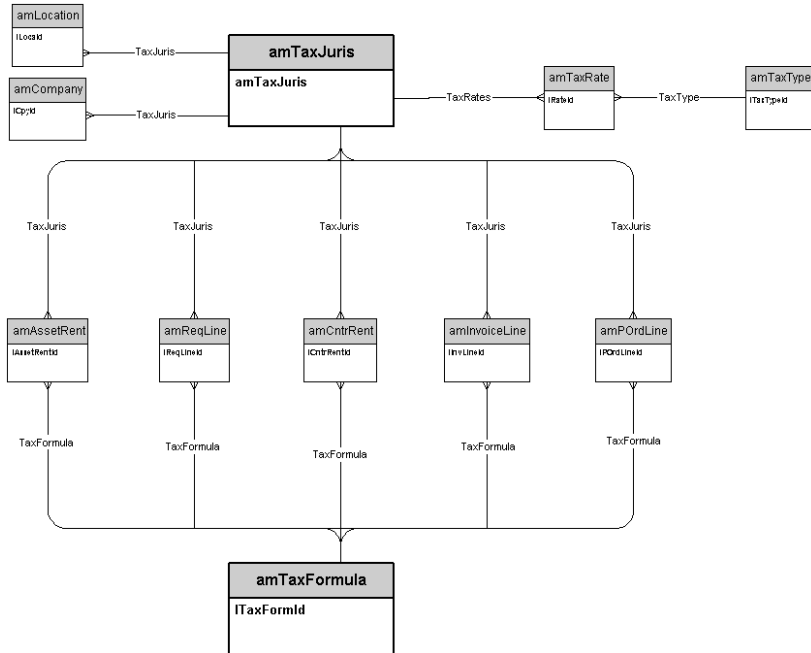
Budget and expenses



Chargebacks



Taxes

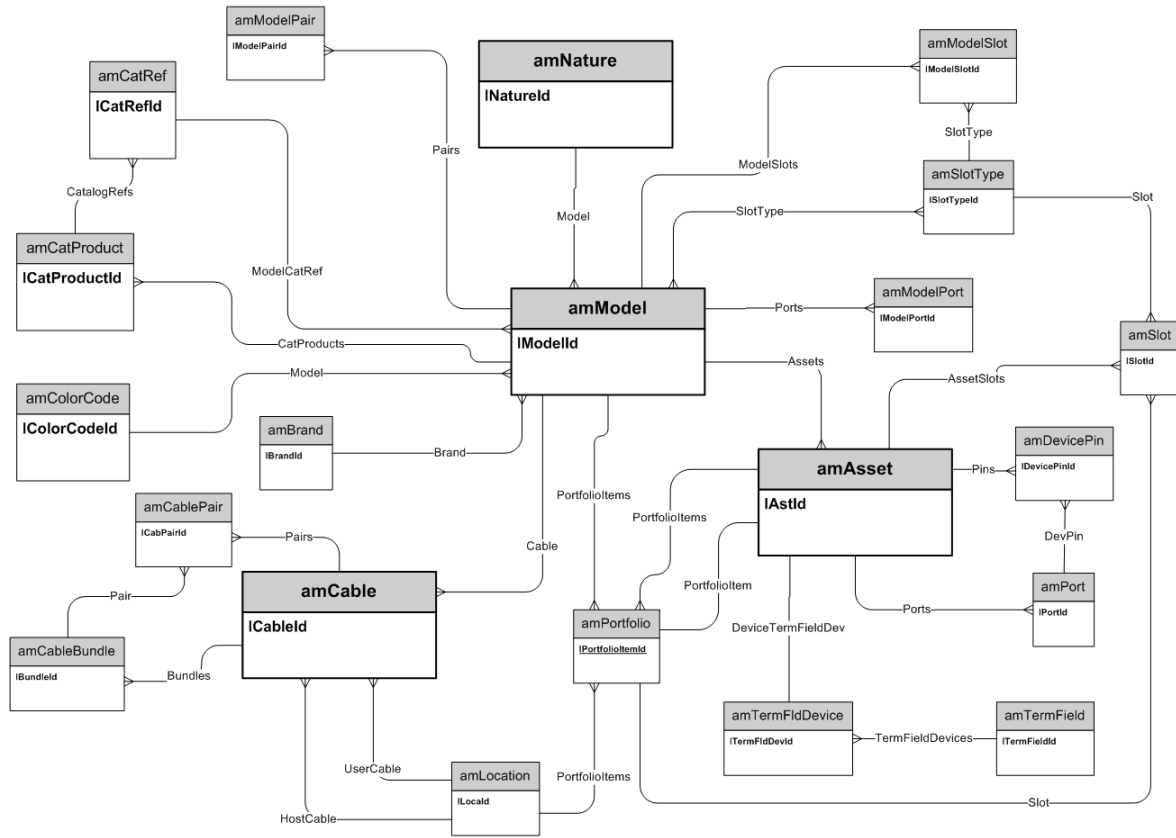


Chapter 7: Cable and Circuit

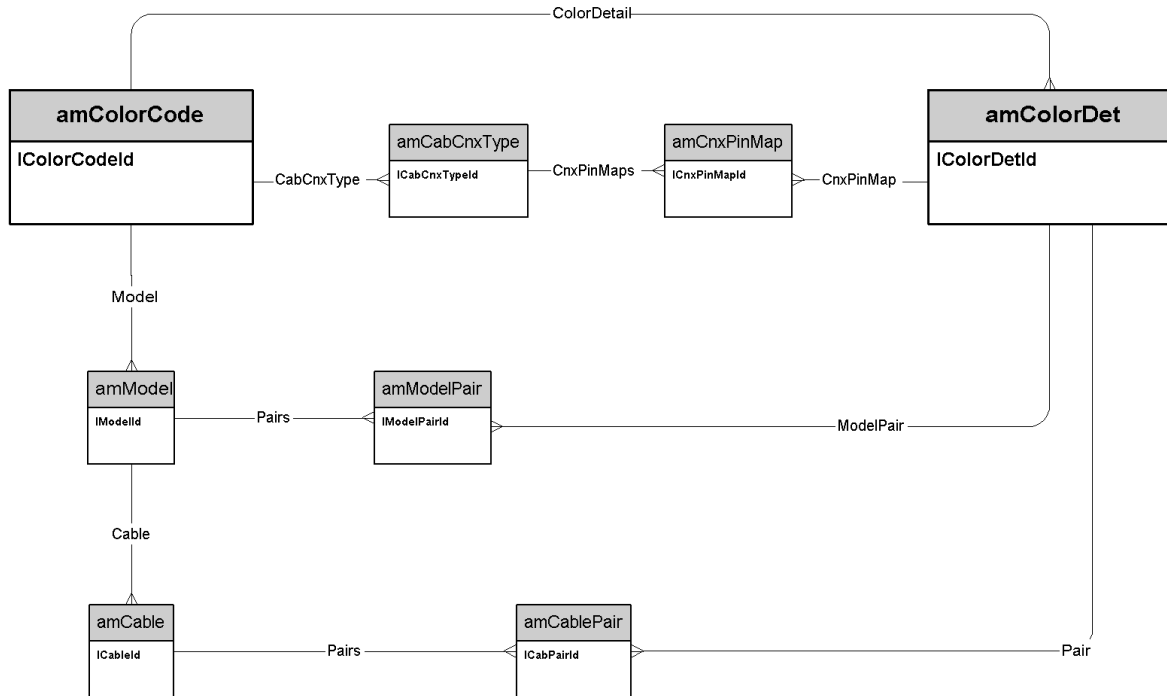
This chapter presents diagrams of the following physical data models:

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| Termination-field configurations | 47 |
| Cable links | 48 |

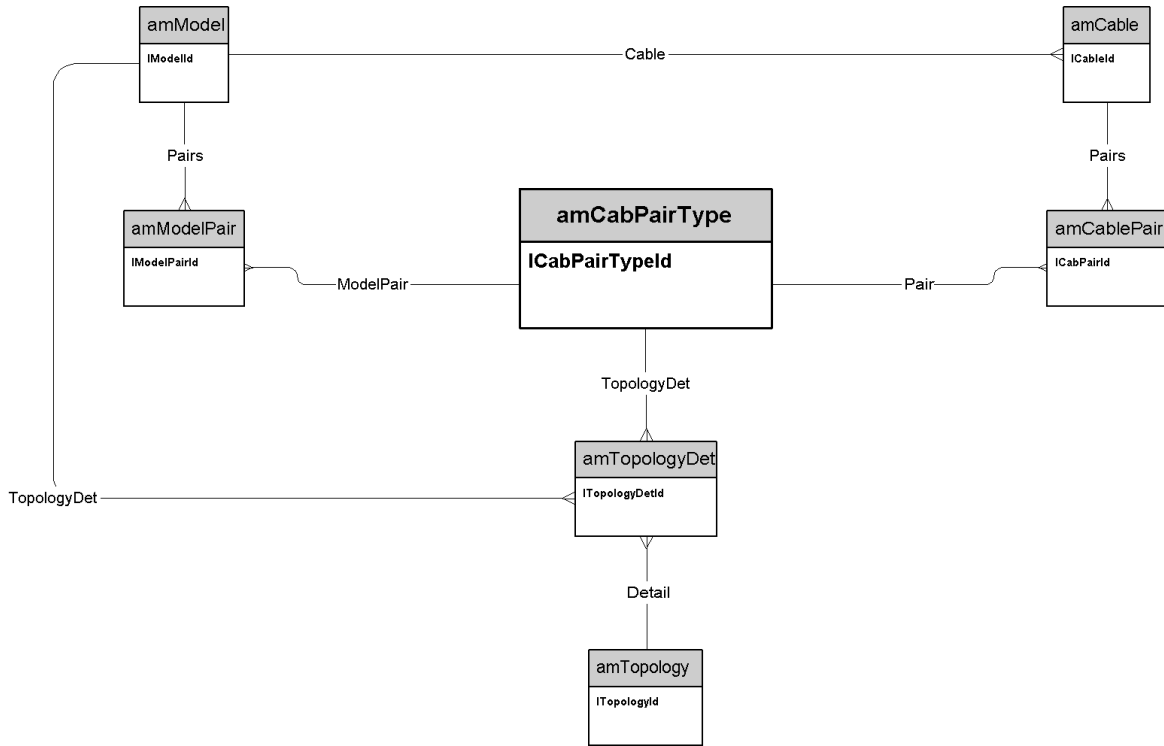
Cables and cable devices



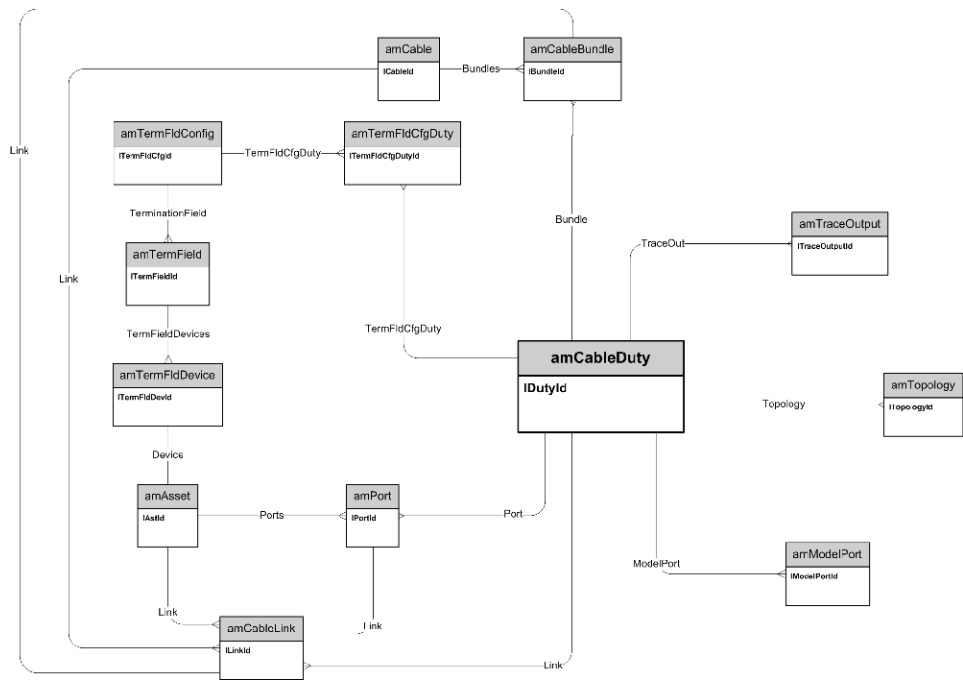
Color codes



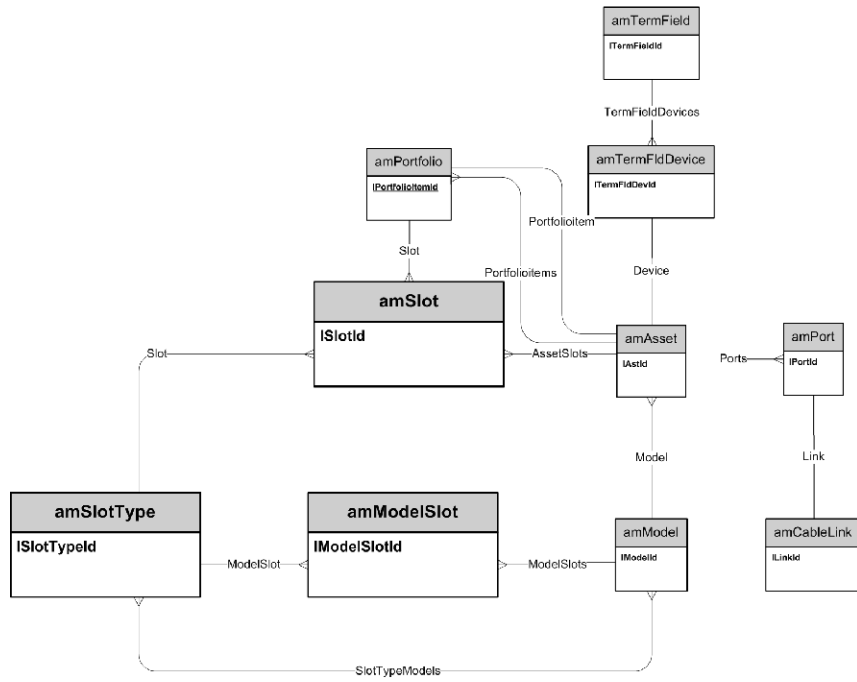
Pair/conductor types



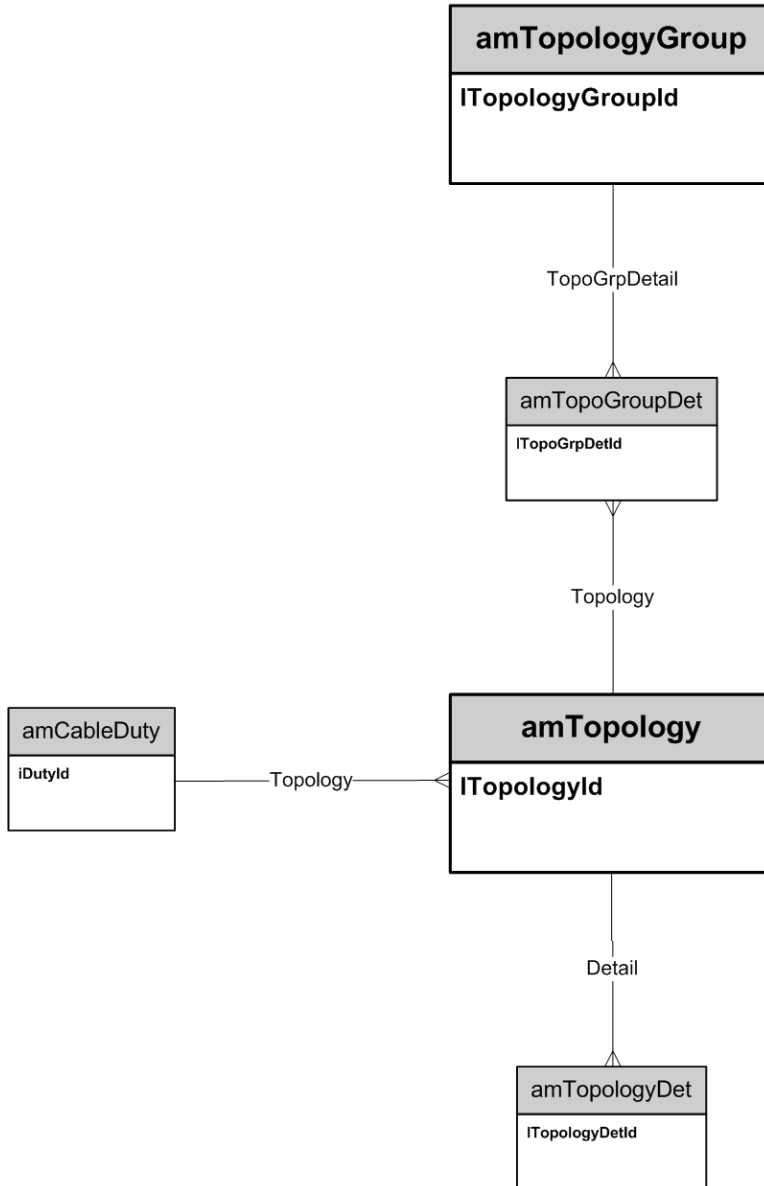
Cable duties



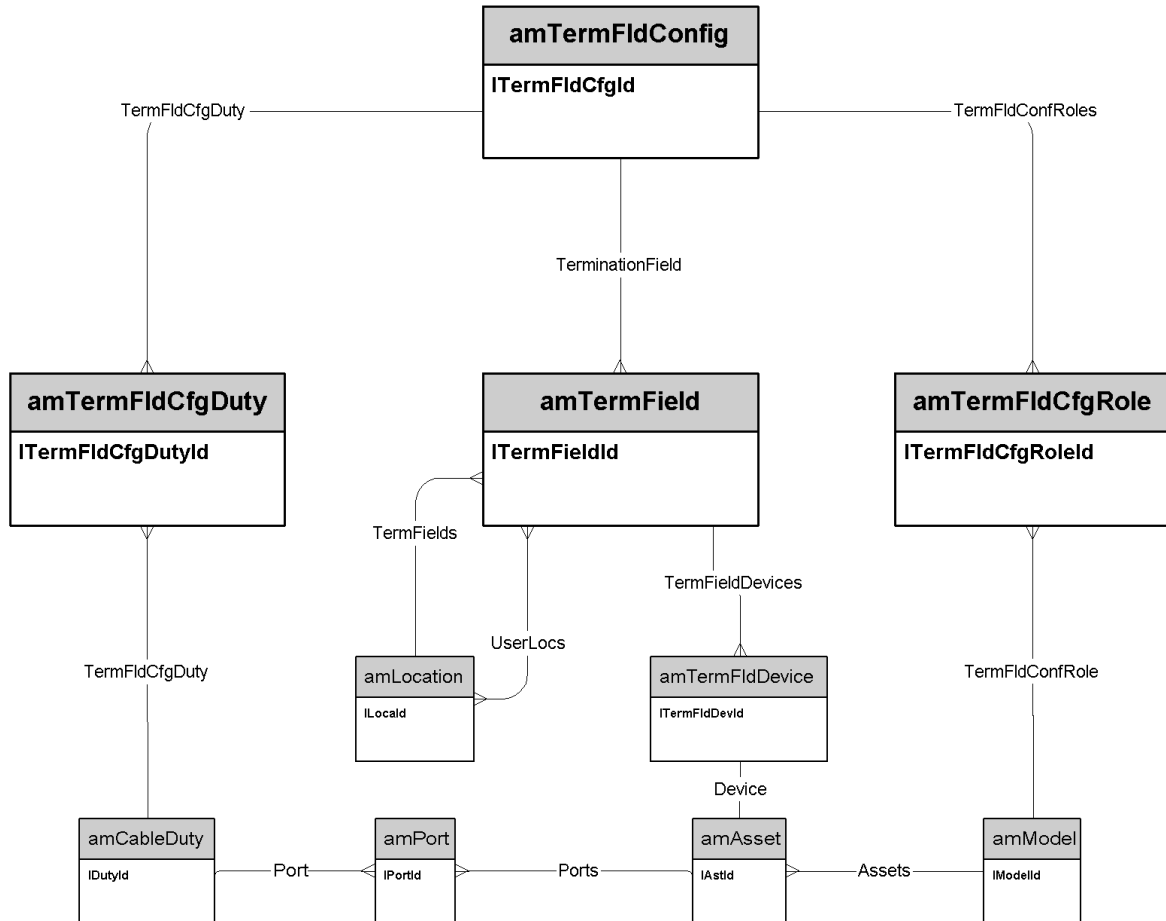
Slots



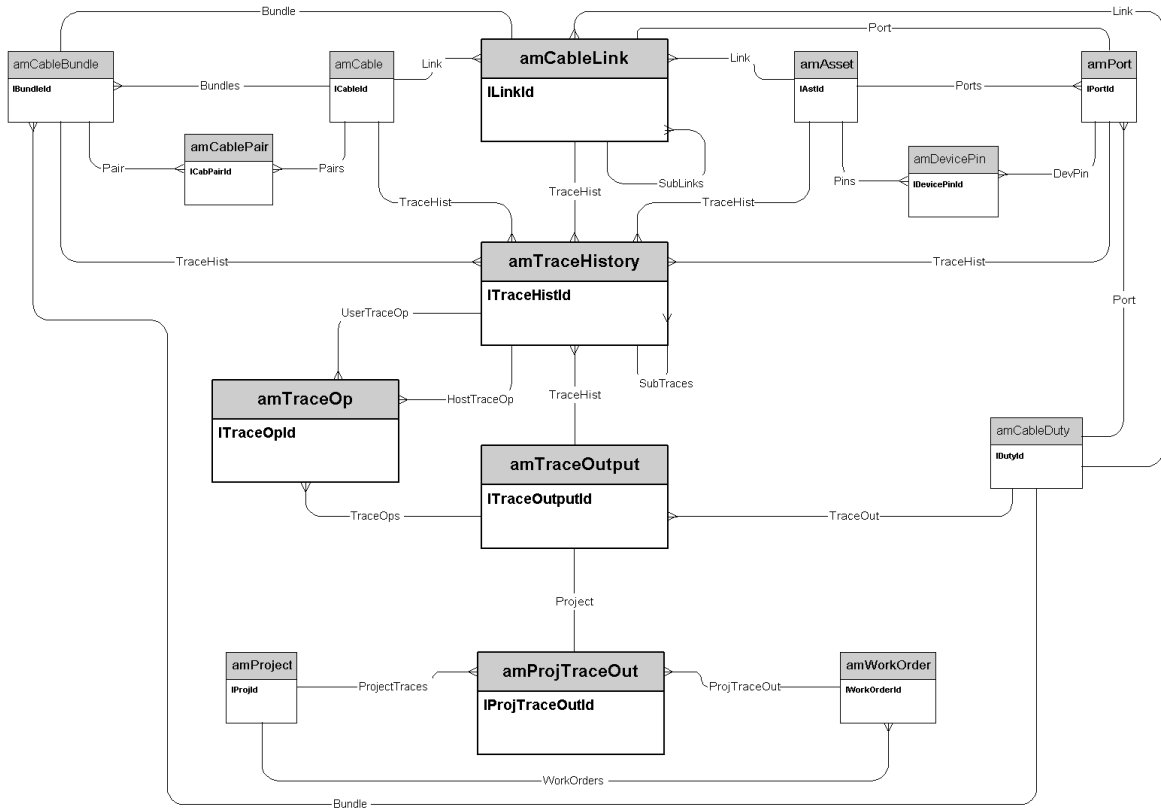
Topology groups



Termination-field configurations



Cable links

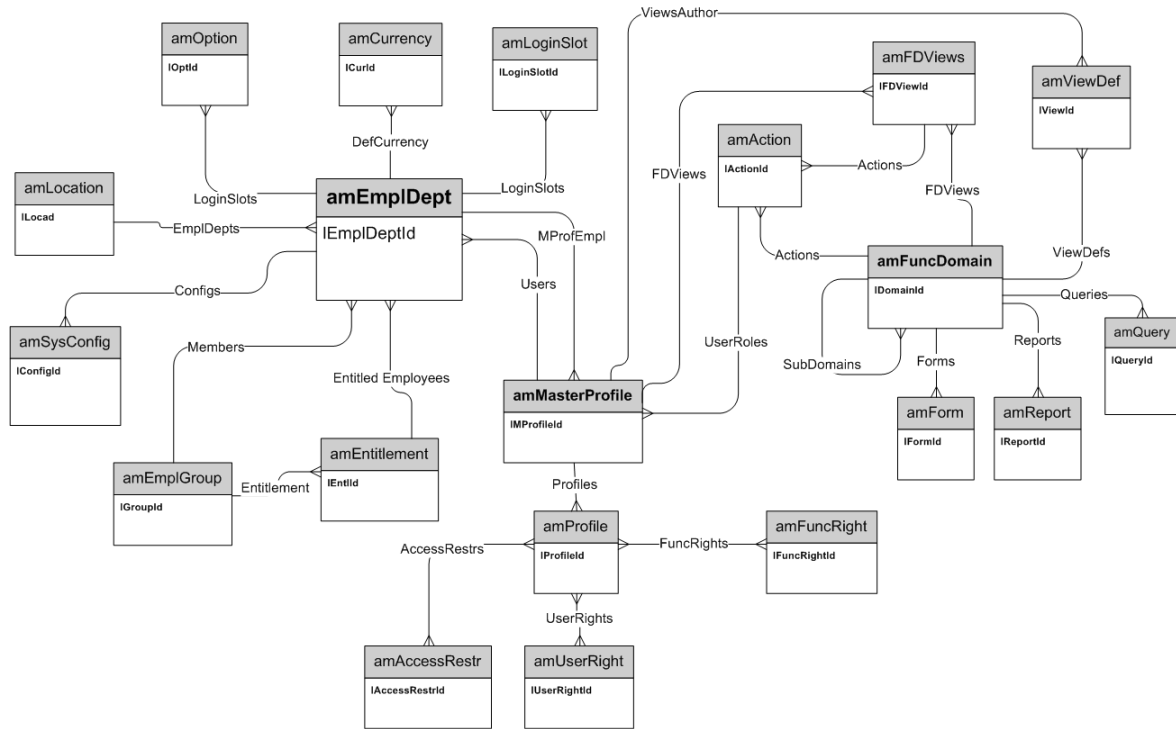


Chapter 8: Administration

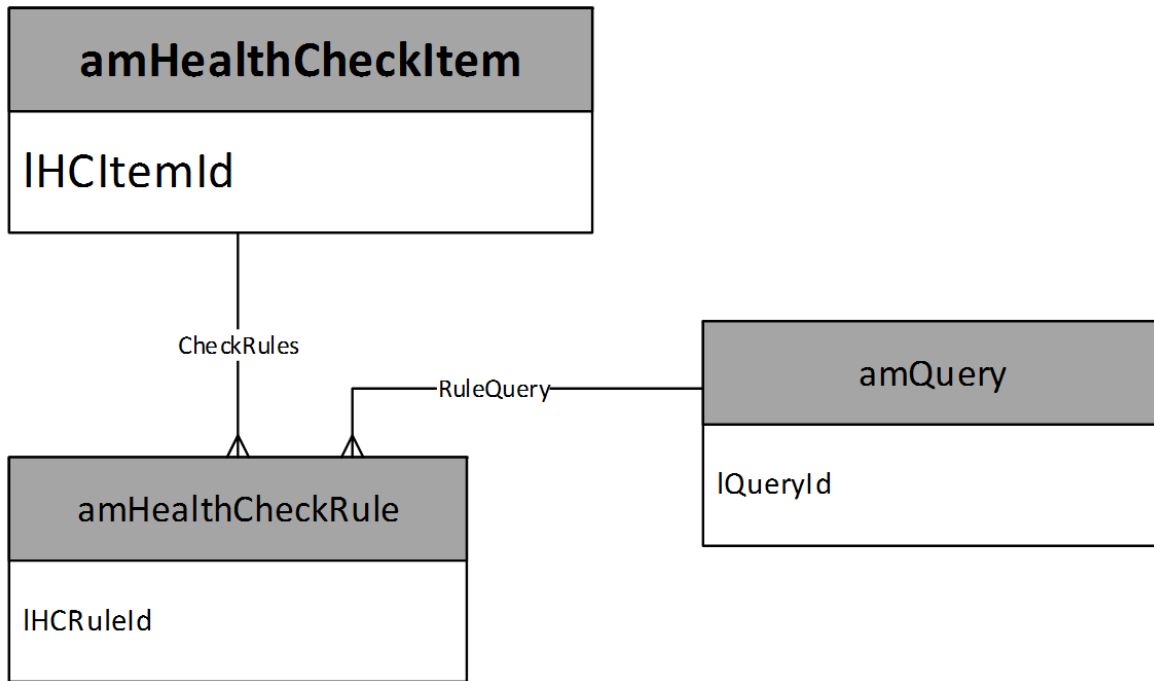
This chapter presents the diagram of the following physical data models:

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Access to the database



Data health check

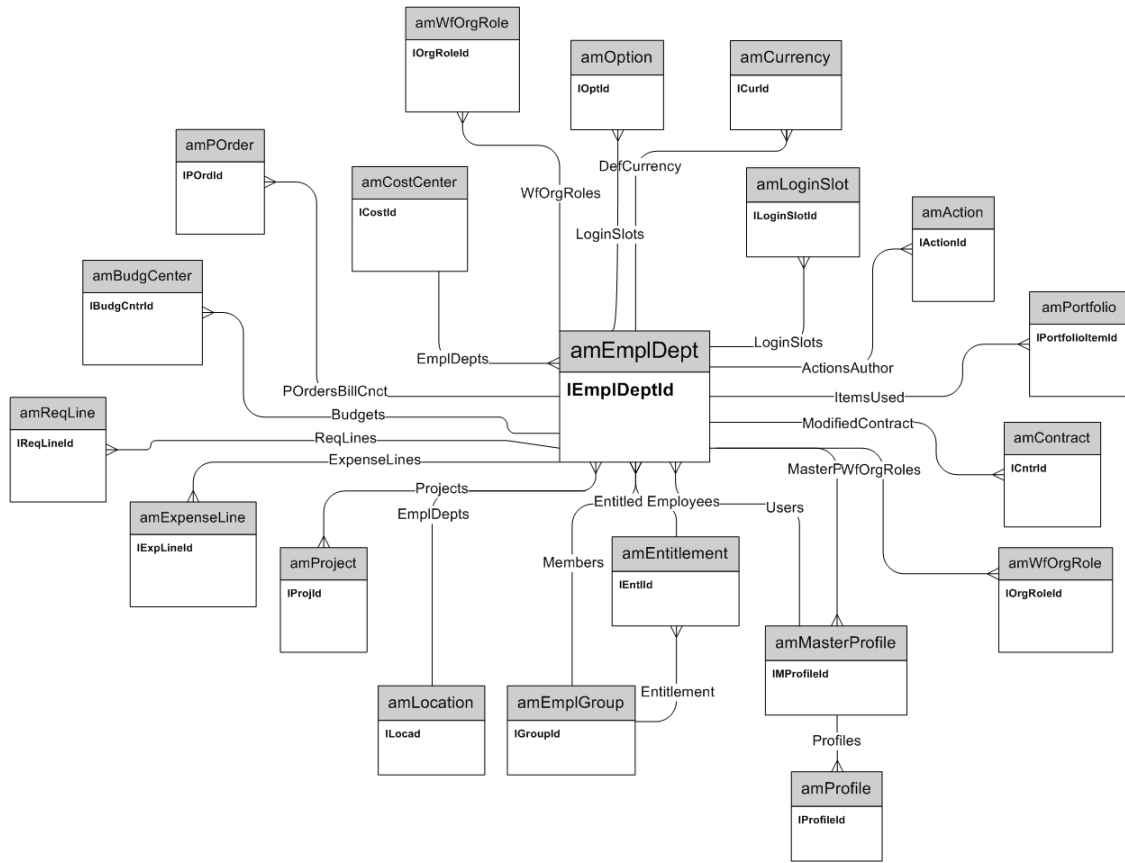


Chapter 9: Organization

This chapter presents the diagram of the following physical data model:

| | |
|---------------------------------|----|
| Employees and Departments | 54 |
|---------------------------------|----|

Employees and Departments

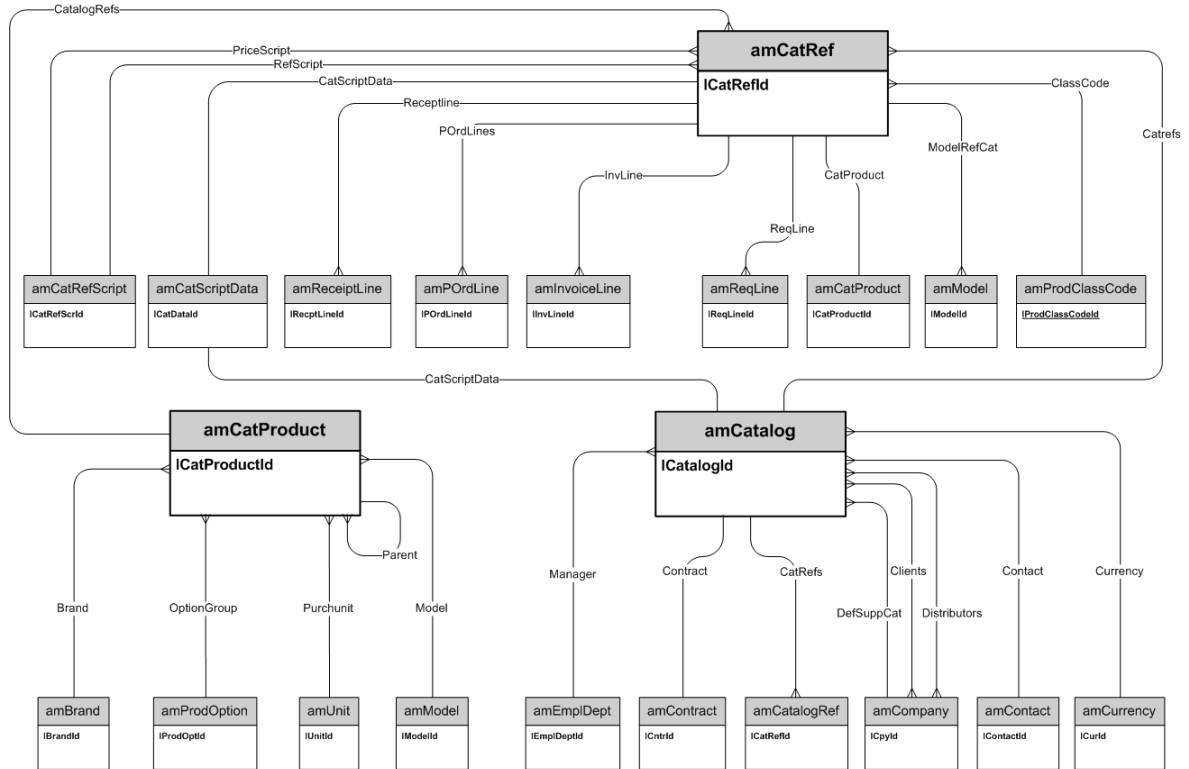


Chapter 10: Catalog

This chapter presents the diagram of the following physical data model:

| | |
|---------------|----|
| Catalog | 56 |
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Catalog

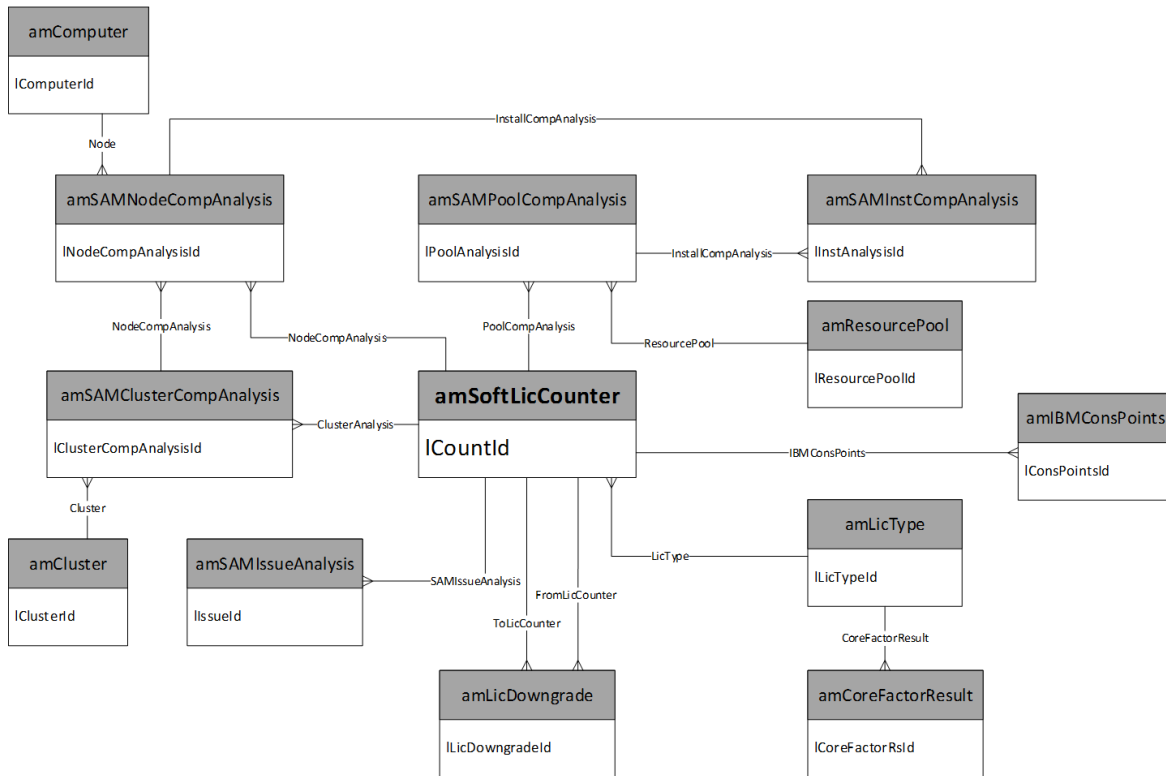


SAM

This chapter presents the diagram of the following physical data model:

SAM57

SAM



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