

Oracle® E-Business Intelligence Enterprise Data Warehouse Logical Data Models

Release 3.1.1

July 2001

Part No. A90301-01

ORACLE®

Logical Data Model, Release 3.1

Part No. A90301-01

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Contents

Send Us Your Comments	xi
Preface	xiii
Audience	xiii
How to Use This Manual	xiv
Related Documents	xv
Getting Help	xvi
Conventions	xvii
Do Not Use Database Tools to Modify Oracle Applications Data	xviii
About Oracle	xix
Your Feedback	xix
1 Logical Data Models	
Dimensions	1-2
Campaign Dimension	1-3
DUNS Dimension	1-4
Forecast Dimension	1-5
Geography Dimension	1-6
Internal Organization Dimension	1-7
Inventory Locator Dimension	1-8
Item Dimension	1-9
Lead Dimension	1-10
Manufacturing Resource Dimension	1-11

Marketing Event Dimension	1-12
Marketing Target Segment Dimension.....	1-13
Media Channel Dimension.....	1-14
Movement Type	1-15
Operation Dimension.....	1-16
Project Dimension.....	1-17
Recruitment Activity	1-18
Requisition	1-19
Sales Opportunity Dimension.....	1-20
Set of Books Dimension	1-21
Time Dimension.....	1-22
Trading Partner Dimension.....	1-23
UN/SPSC Dimension.....	1-24
Fact Tables	1-25
Financials Intelligence.....	1-25
AR Revenue	1-25
Invoice Hold	1-26
Invoices on Hold.....	1-27
Invoice Line	1-28
Invoice Payment	1-29
Schedule Payment	1-30
Human Resources Intelligence	1-31
Workforce Activity	1-31
Workforce Composition	1-32
Workforce Recruitment Activity	1-33
Workforce Separation	1-34
Manufacturing Intelligence	1-35
Cost of Goods Sold (COGS) Shipment	1-35
Inventory Daily Status	1-36
Inventory Period Summary.....	1-37
Job Detail.....	1-38
Job Resource	1-39
Product Gross Margin.....	1-40
Product Gross Margin Period Summary.....	1-41
Resource Utilization	1-42

Unit of Measure Conversion.....	1-43
Marketing Intelligence	1-44
Forecast	1-44
Customer Interaction	1-45
Lead Forecast	1-46
Marketing Event Forecast	1-47
Revenue Cost Daily Summary	1-48
Revenue Cost Monthly Summary.....	1-49
Sales Opportunity Forecast.....	1-50
Projects Intelligence.....	1-51
Project Budget.....	1-51
Project Cost.....	1-52
Project Revenue	1-53
Purchasing Intelligence.....	1-54
PO Contract.....	1-54
PO Contract Line.....	1-55
PO Distribution.....	1-56
Purchasing Custom Measure.....	1-57
Receiving	1-58
Supplier Performance	1-59
Supply Chain Intelligence	1-60
Backlog Snapshot.....	1-60
Booking.....	1-61

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- Is the information clearly presented?
- Do you need more information? If so, where?
- Are the examples correct? Do you need more examples?
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If you have problems with the software, please contact your local Oracle Support Services.

Preface

Welcome to Release 3.1.1 of the *Oracle E-Business Intelligence Enterprise Data Warehouse Logical Data Models*.

This guide illustrates the logical data models for the Oracle E-Business Intelligence.

Note: This manual, and any other documentation associated with this release, was current at the time it was published and released. However, we make enhancements to Oracle Applications products and respond to user needs on a continuing basis. Always check Oracle MetaLink for the most up to date information.

Audience

If you are responsible for implementing or maintaining Oracle E-Business Intelligence, it is important that you read and understand the information in *Oracle Applications Concepts* as well as the information in this guide. *Concepts* explains the technology, architecture, and terminology used here. The following people are the typical audience for this guide.

System Administrator

Responsible for administering the development system. This person's responsibilities include:

- Ensuring that hardware is correctly configured

- Installing, configuring, and maintaining operating and development software
- Ensuring that the system is backed up daily
- Designing and maintaining system security, for example, establishing system accounts

The system administrator provides first line support for problems with the development system and ensures that faults are quickly rectified. They may perform the setup and initial maintenance of the production system or advise the client's operational staff on these tasks. The system administrator works with the project team to optimize system performance, install packaged applications environments, and convert data.

Technical Specialist

Responsible for designing, developing, unit testing, implementing, and maintaining the custom extensions for Oracle Applications. These extensions include, but are not limited to, interfaces, automated data conversions, reports, forms, and enhancements.

Required Knowledge

This guide assumes you have a working knowledge of the following:

- The principles and customary practices of your business area.
- Oracle E-Business Intelligence applications and relational database concepts.

If you are not familiar with either the Oracle E-Business Intelligence applications or relational database concepts, Oracle suggests that you attend one or more of the training classes available through Oracle Education Services or Oracle University.

How to Use This Manual

Oracle E-Business Intelligence Enterprise Data Warehouse Logical Data Models contains the following topics.

- Chapter 1, "Introduction" contains an overview of the Oracle E-Business Intelligence Enterprise Data Warehouse.

Related Documents

The Oracle E-Business Intelligence shares business and setup information with other Oracle Applications products.

All Release 11i documentation is included on the Oracle Applications Document Library CD, which is supplied in the Oracle Applications Release 11i CD Pack. You can download some soft-copy documentation from <http://docs.oracle.com>. Or, you can purchase hard-copy documentation from the Oracle Store at <http://oraclestore.oracle.com>.

Specific documentation that you will need to complete this installation include the following.

- *Oracle E-Business Intelligence Technical Reference Manual*

Getting Help

Oracle Consulting Services and Oracle Support Services are the main sources of help for installing Oracle Applications.

Oracle Consulting Services

Oracle Consulting Services can help you:

- Determine machine size and database size required by Oracle Applications
- Install or upgrade Oracle Applications
- Implement Oracle Applications products
- Customize Oracle Applications products
- Install and configure multiple language support
- Develop custom applications for use with Oracle Applications
- Train users of Oracle Applications

Oracle Support Services

The ORacle Support Services web site at <http://www.oracle.com/support> offers registered Oracle MetaLink customers self-service support technologies, available 24 hours, 7 days a week. Oracle MetaLink provides information, such as technical libraries and forums, and services, like patch set downloads, BUG searches and TAR entry. If you contact Oracle Support Services, have this information available:

- Your CSI number
- Operating system number and versions
- Release of Oracle Applications you are installing and the versions of the Oracle Server and Oracle tools you are using
- Release of Oracle Applications you are upgrading from
- Description of the problem as well as specific information about any error messages you received
- Whether or not you have dial-in capability
- Output of the AD Configuration utility, contained in the `adutconf.lst` file. For additional information about AD Configuration, see *Maintaining Oracle Applications*

Conventions

The following typographical conventions are used in this manual.

Convention	Meaning
Monospaced text	Represents command line text. Type this text exactly as shown.
<>	Text enclosed in angle brackets represent a variable. Substitute an appropriate value for the variable text. Do not type the brackets.
[]	Square brackets enclose optional items or indicate a function key. Do not type the brackets.
	A vertical bar represents an <i>or</i> option among several options. You must enter only one of the options. Do not type the vertical bar.
/directory or \directory	A slash before a directory name indicates that it is a subdirectory. The path name may be either uppercase or lowercase.
\$ or C:\>	Represents the command prompt. Your prompt may differ.
\	In examples of commands you type online, a backward slash at the end of the line of text signifies that you must type the entire command, including the portion of the text on the second text line, on one command line. Do not type the backslash.

The following special notes alert you to important information.

Additional Information	Refers to portions of this manual, another manual, or the online documentation.
Attention	Highlights important information that will help you use the system.
Note	Contains helpful hints and practical tips that can save time and make installation or other procedures easier.
Warning	Warns you about actions which, if not carried out properly, could be damaging or destructive to your operations.

Do Not Use Database Tools to Modify Oracle Applications Data

Oracle STRONGLY RECOMMENDS that you never use SQL*Plus, Oracle Data Browser, database triggers, or any other tool to modify Oracle Applications tables, unless we tell you to do so in our guides.

Oracle provides powerful tools you can use to create, store, change, retrieve and maintain information in an Oracle database. If you use Oracle tools such as SQL*Plus to modify Oracle Applications data, you risk destroying the integrity of your data and you lose the ability to audit changes to your data.

Because Oracle Applications tables are interrelated, any change you make using an Oracle Applications form can update many tables at once. When you modify Oracle Applications data using anything other than Oracle Applications forms, you might change a row in one table without making corresponding changes in related tables. If your tables get out of synchronization with each other, you risk retrieving erroneous information and you risk unpredictable results throughout Oracle Applications.

When you use Oracle Applications forms to modify your data, Oracle Applications automatically checks that your changes are valid. Oracle Applications also keeps track of who changes information. If you enter information into database tables using database tools, you may store invalid information. You also lose the ability to track who has changed your information because SQL*Plus and other database tools do not keep a record of changes.

About Oracle

Oracle Corporation develops and markets an integrated line of software products for database management, applications development, decision support and office automation, as well as Oracle Applications. Oracle Applications provides the E-Business Suite, a fully integrated suite of more than 170 software modules for financial management, Internet procurement, business intelligence, supply chain management, manufacturing, project systems, human resources and sales and service management.

Oracle products are available for mainframes, minicomputers, personal computers, network computers and personal digital assistants, enabling organizations to integrate different computers, different operating systems, different networks and even different database management systems, into a single, unified computing and information resource.

Oracle is the world's leading supplier of software for information management, and the world's second largest software company. Oracle offers its database, tools, and application products, along with related consulting, education and support services, in over 145 countries around the world.

Your Feedback

Thank you for using Oracle E-Business Intelligence.

We value your comments and feedback. This guide contains a Reader's Comment Form you can use to explain what you like or dislike about the Oracle Business Intelligence System or this guide. Mail your comments to the following address or call us directly at (650) 506-3939.

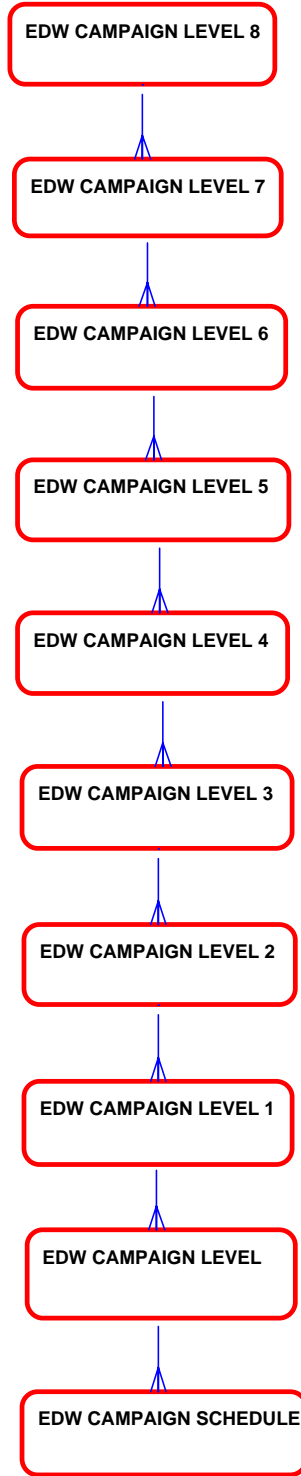
Oracle E-Business Intelligence Suite Documentation
Oracle Corporation
500 Oracle Parkway M/S3OP11
Redwood Shores, CA 94065
U.S.A.

Logical Data Models

This chapter contains the logical data models for Oracle E-Business Intelligence Enterprise Data Warehouse.

Oracle Business Intelligence System - Release 11i
Enterprise Data Warehouse
Campaign Dimension

Campaign Hierarchy

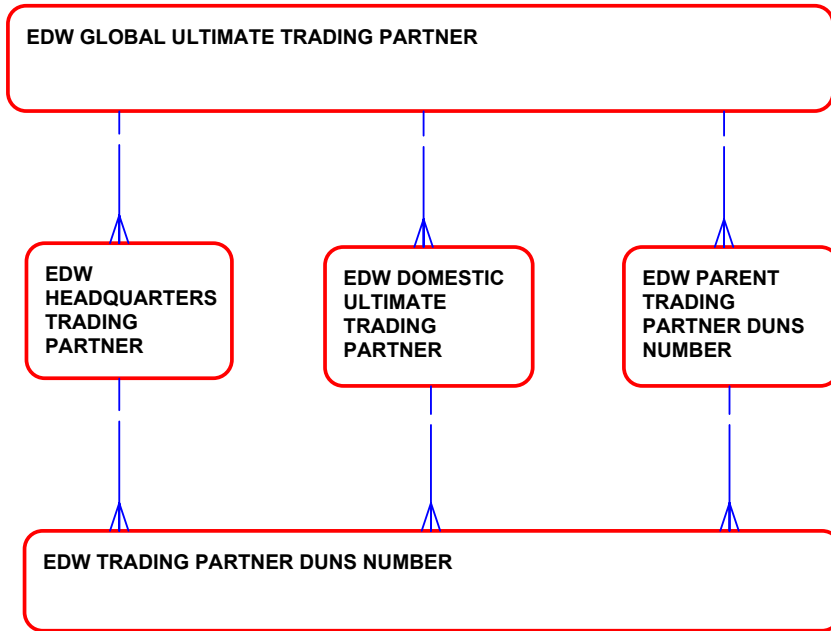


Oracle Business Intelligence System - R11i
Enterprise Data Warehouse
DUNS Dimension

Headquarters
Trading Partner
Hierarchy

Domestic Ultimate
Trading Partner
Hierarchy

DUNS Parent
Trading Partner
Hierarchy

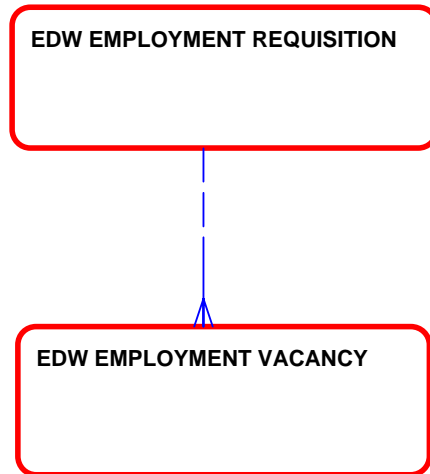


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Oracle Business Intelligence System - Release 11i
Enterprise Data Warehouse
Employment Requisition Dimension

Employment Requisition Hierarchy

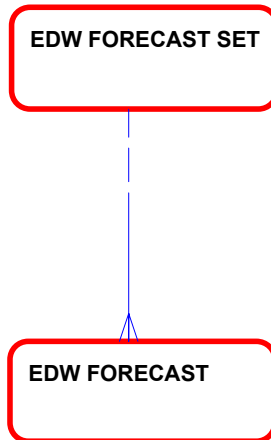


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Forecast Dimension

Forecast Hierarchy



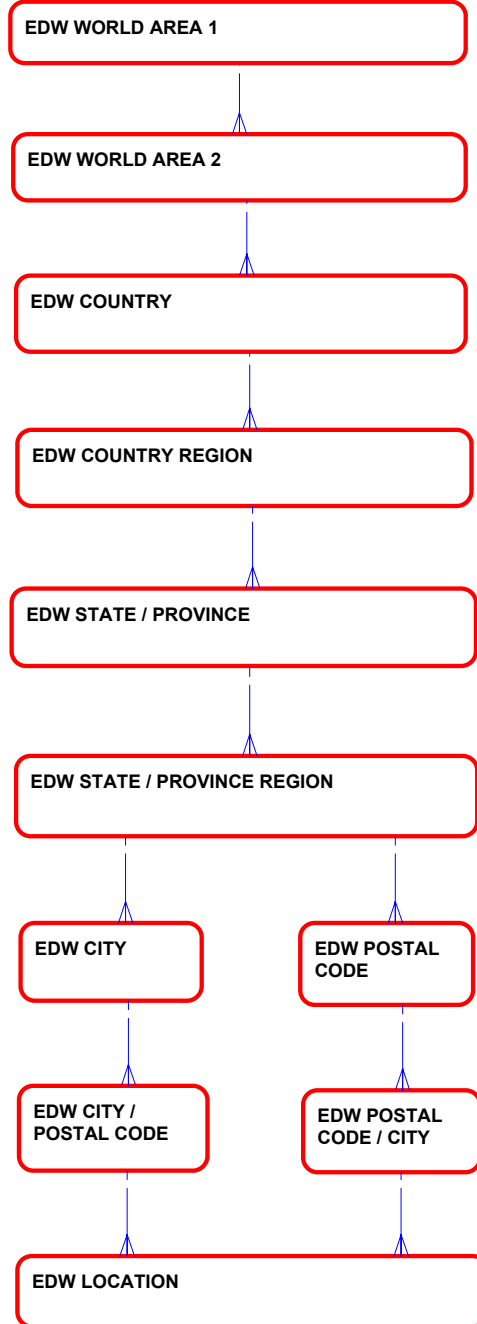
Oracle Business Intelligence System - Release 11i

Enterprise Data Warehouse

Geography Dimension

City / Postal Code
Hierarchy

Postal Code / City
Hierarchy



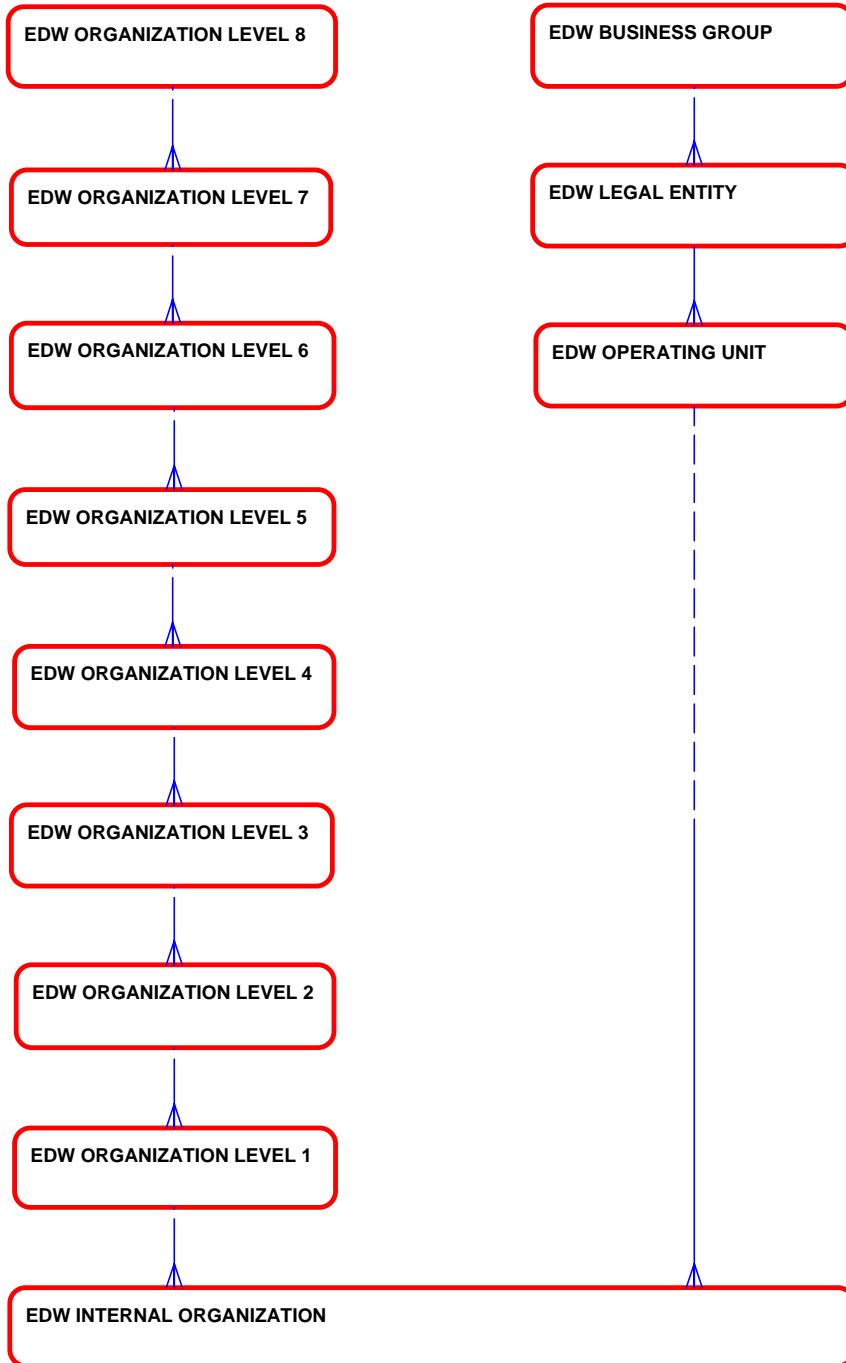
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Enterprise Data Warehouse
Internal Organization Dimension

Human Resource Organization
Hierarchy

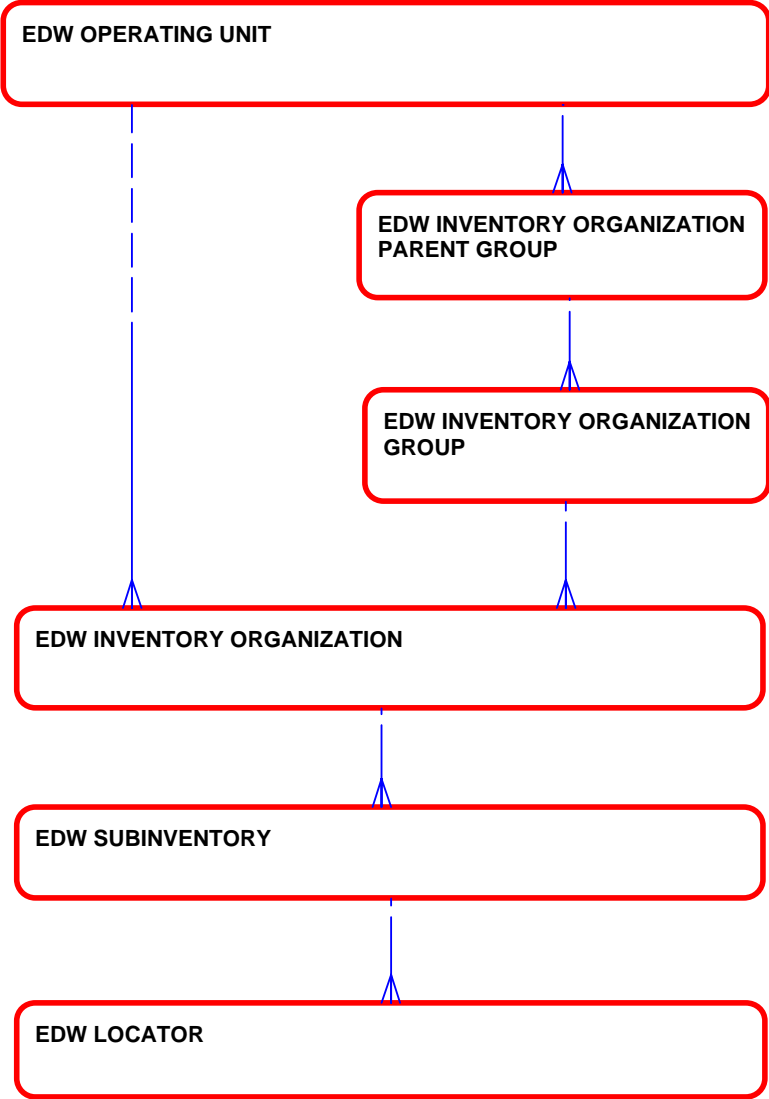
Financial Organization
Hierarchy



Oracle Business Intelligence System - Release 11i
Enterprise Data Warehouse
Inventory Locator Dimension

Locator
Hierarchy

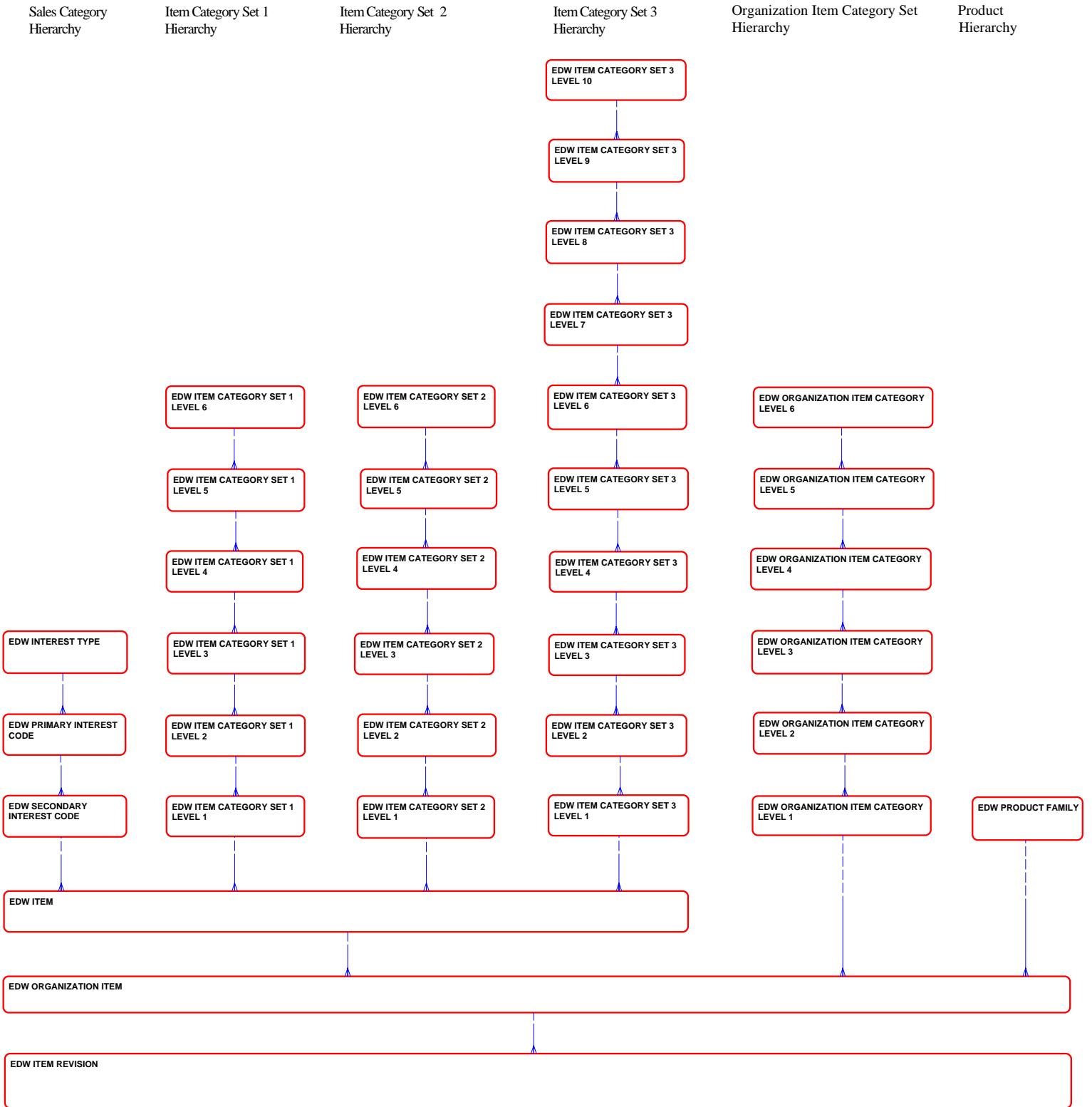
Inventory Organization
Group Hierarchy



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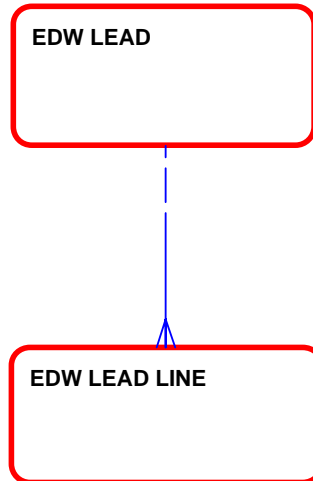


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Enterprise Data Warehouse

Lead Dimension

Lead Hierarchy



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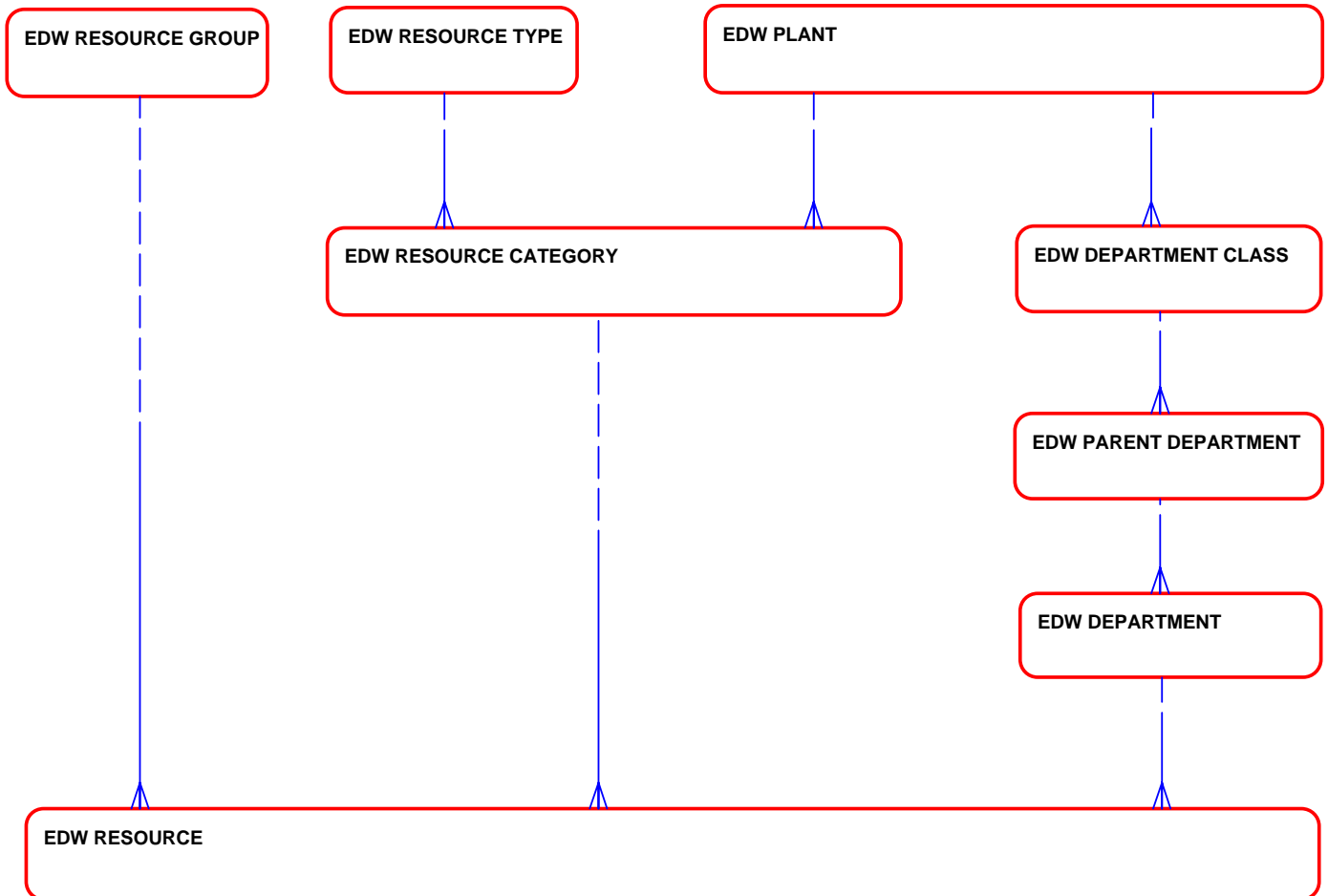
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Enterprise Data Warehouse
Manufacturing Resource Dimension

Resource Group
Hierarchy

Resource Type
Hierarchy

Resource Category
Hierarchy

Department
Hierarchy

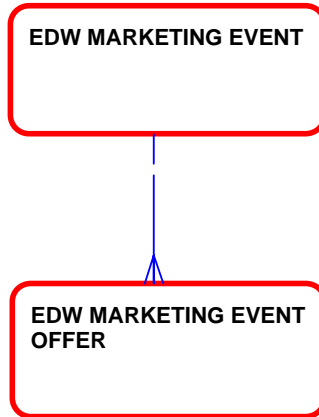


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Marketing Event Dimension

Marketing Event Hierarchy

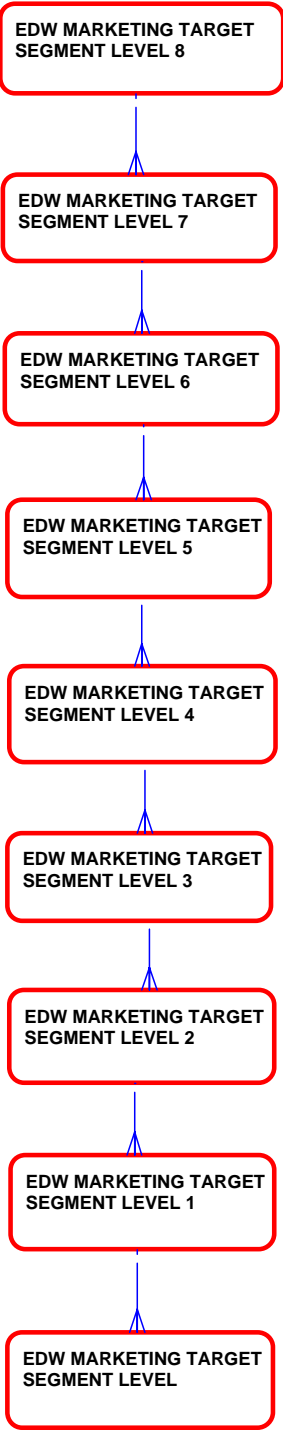


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Enterprise Data Warehouse
Marketing Target Segment Dimension

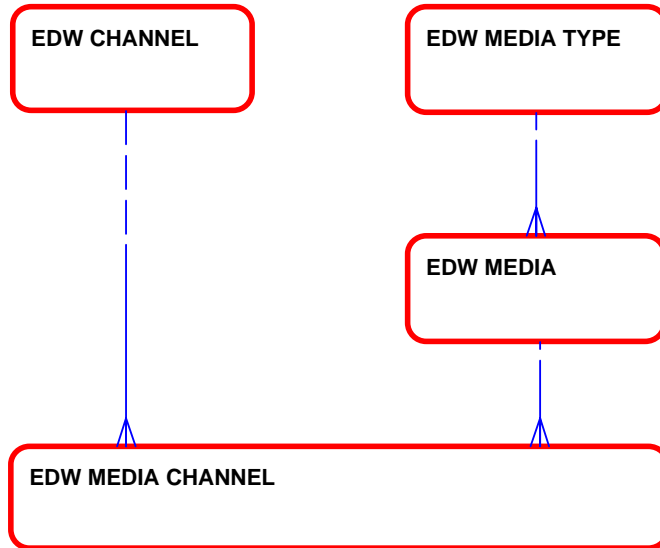
Marketing Target Segment Hierarchy



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Enterprise Data Warehouse
Media Channel Dimension

Media Channel
Hierarchy

Media
Hierarchy



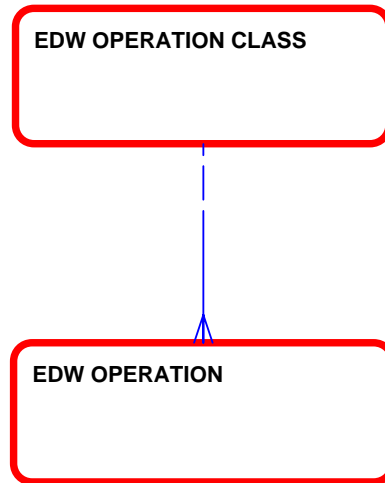
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Oracle Business Intelligence - Release 11i Enterprise Data Warehouse Operation Dimension

Operation Hierarchy



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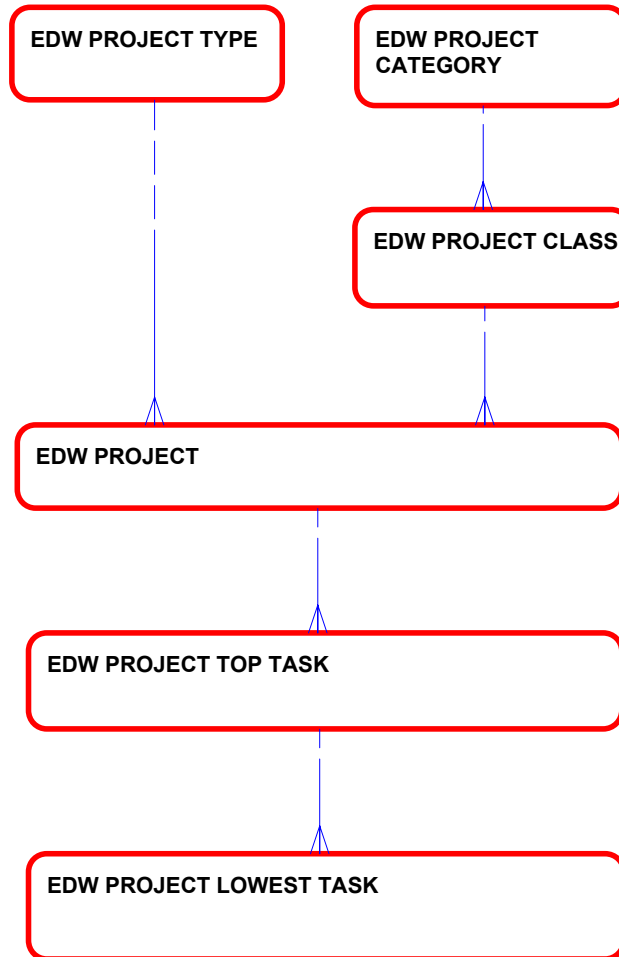
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Enterprise Data Warehouse

Project Dimension

Project Type
Hierarchy

Project Category
Hierarchy

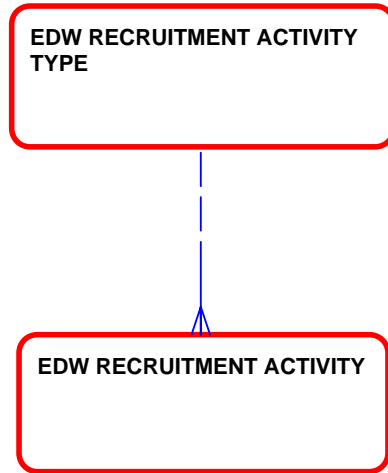


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Enterprise Data Warehouse
Recruitment Activity Dimension

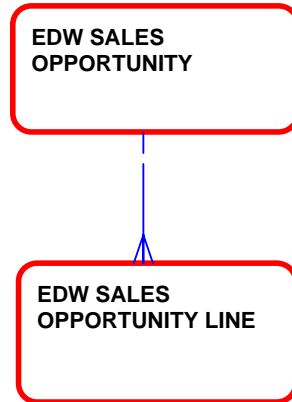
Recruitment Activity Hierarchy



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Sales Opportunity Dimension

Sales Opportunity Hierarchy



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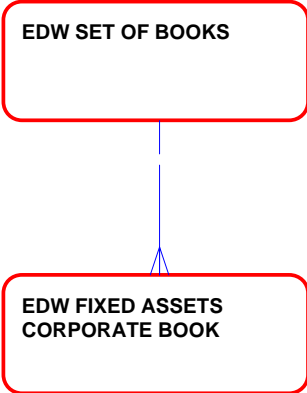
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Set Of Books Dimension

Set of Books Hierarchy



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A p p l i c a t i o n s

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Enterprise Data Warehouse

Time Dimension

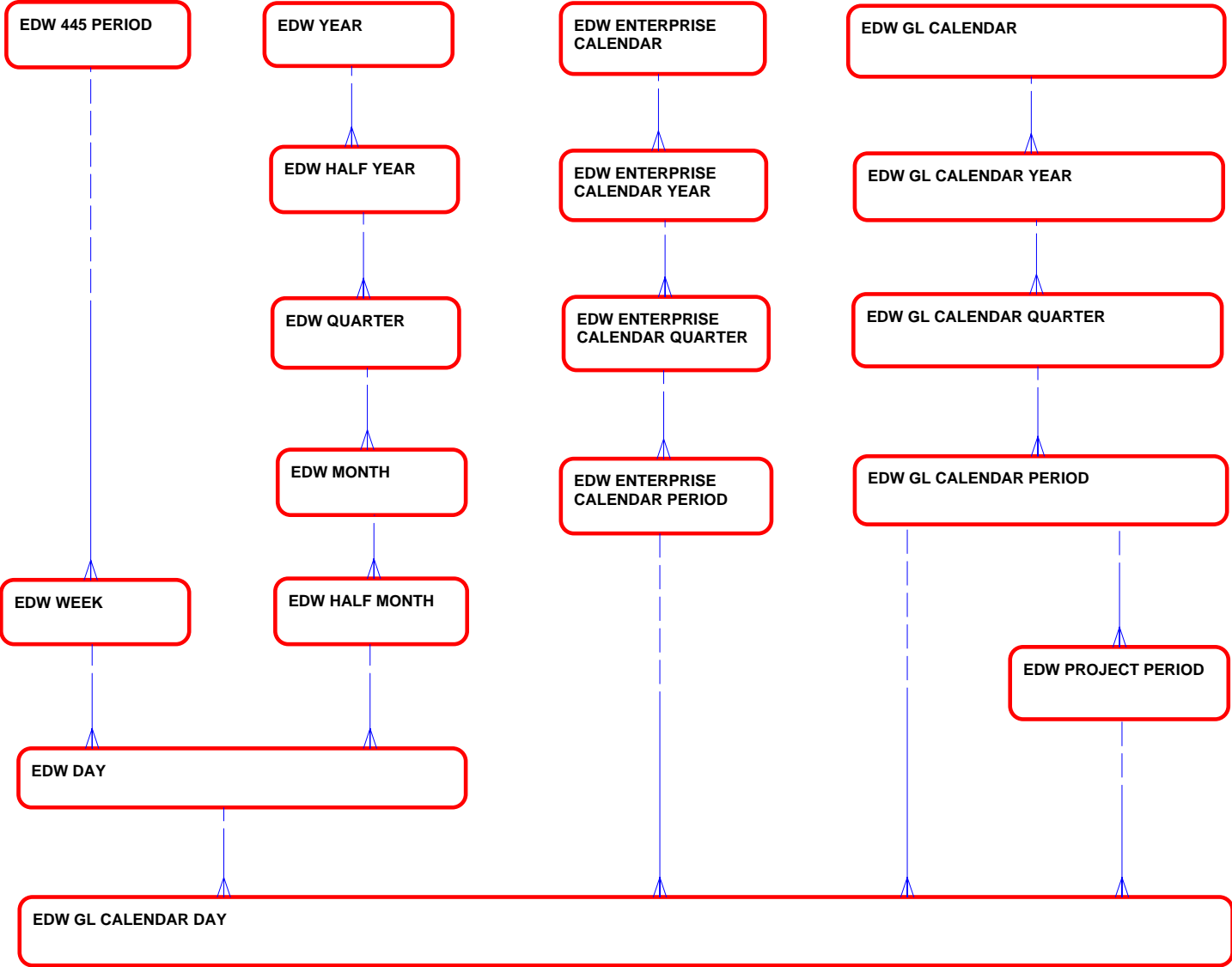
455 Week
Hierarchy

Gregorian
Hierarchy

Enterprise Calendar
Hierarchy

GL Calendar
Hierarchy

Project Calendar
Hierarchy

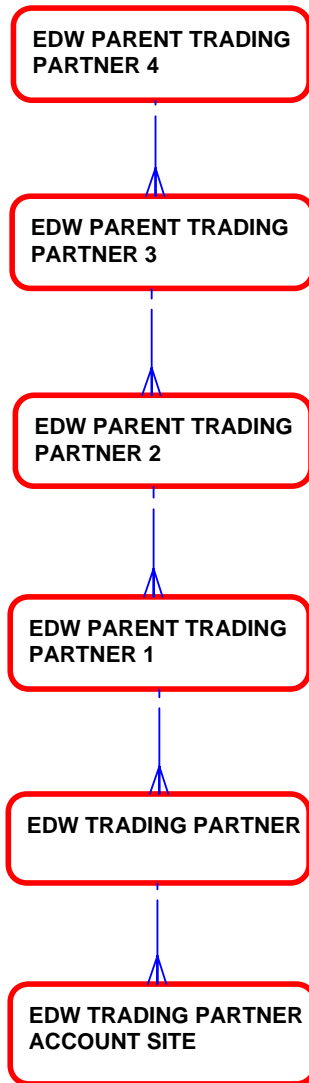


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Enterprise Data Warehouse

Trading Partner Dimension

Trading Partner Hierarchy



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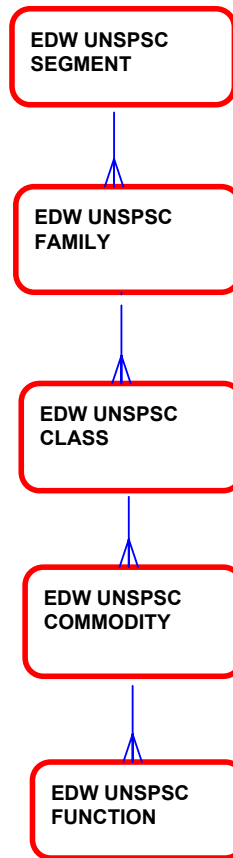
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UNSPSC Dimension

UNSPSC
Hierarchy



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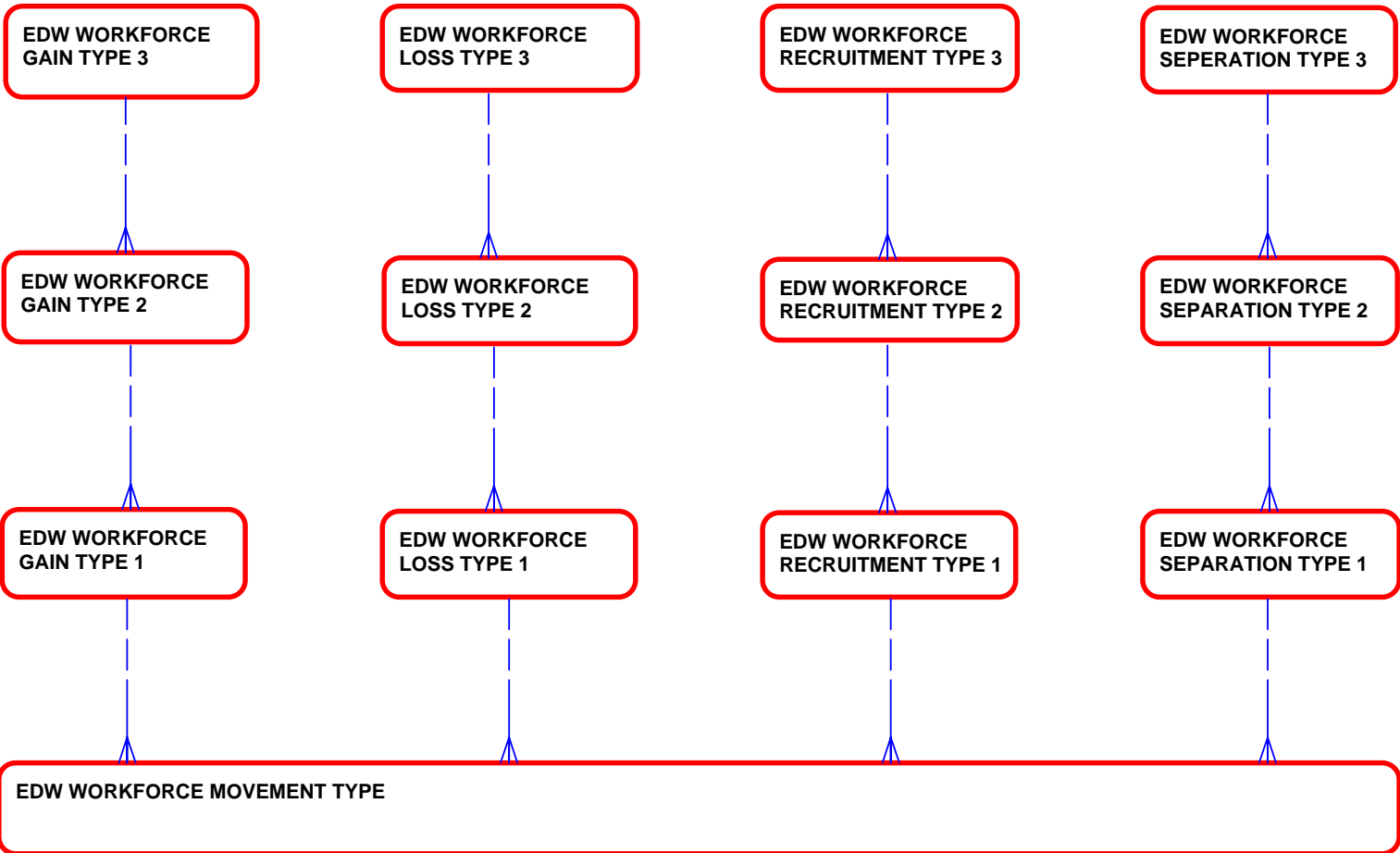
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Workforce Movement Type Dimension

Workforce Gain
Hierarchy

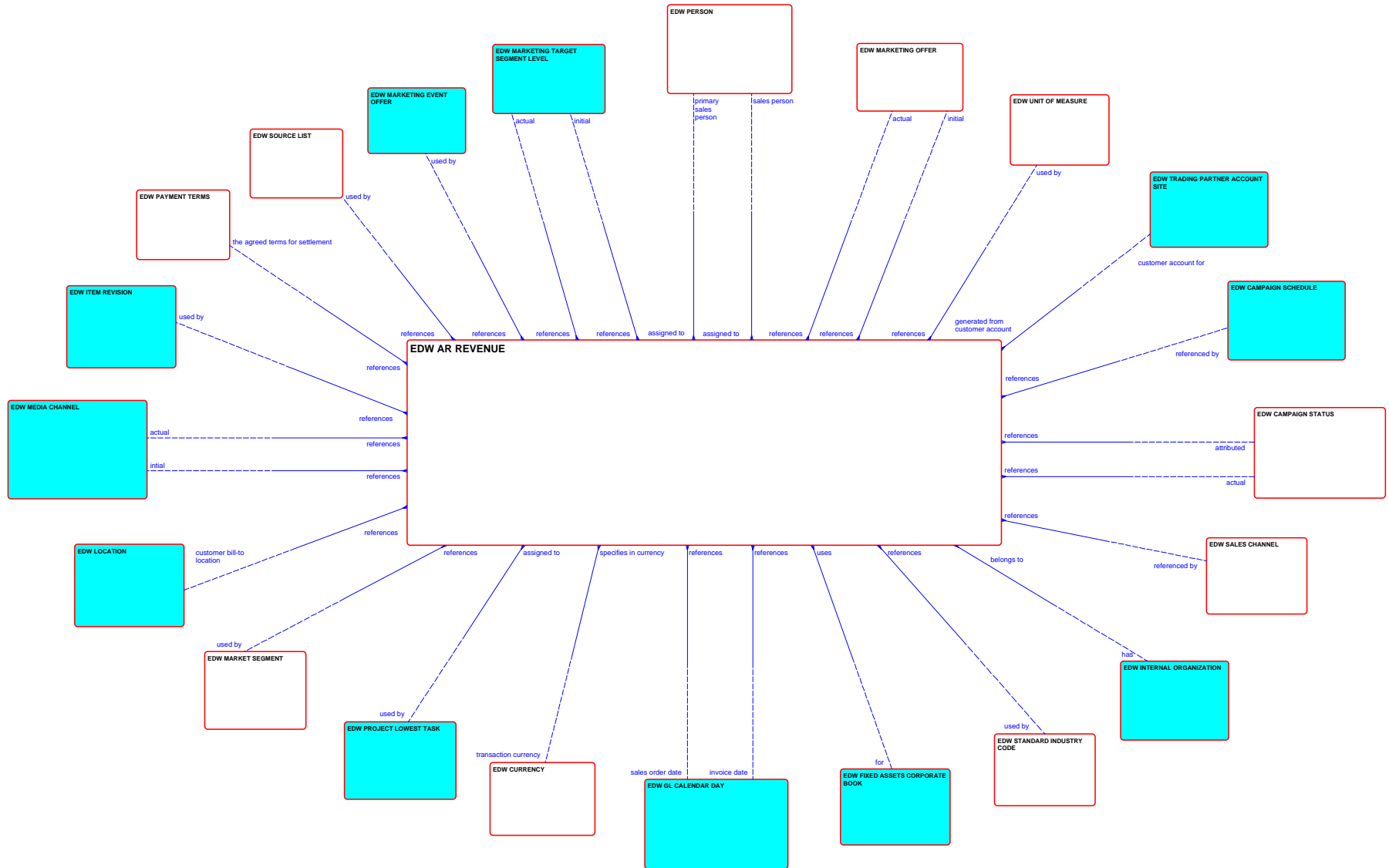
Workforce Loss
Hierarchy

Workforce Recruitment
Hierarchy

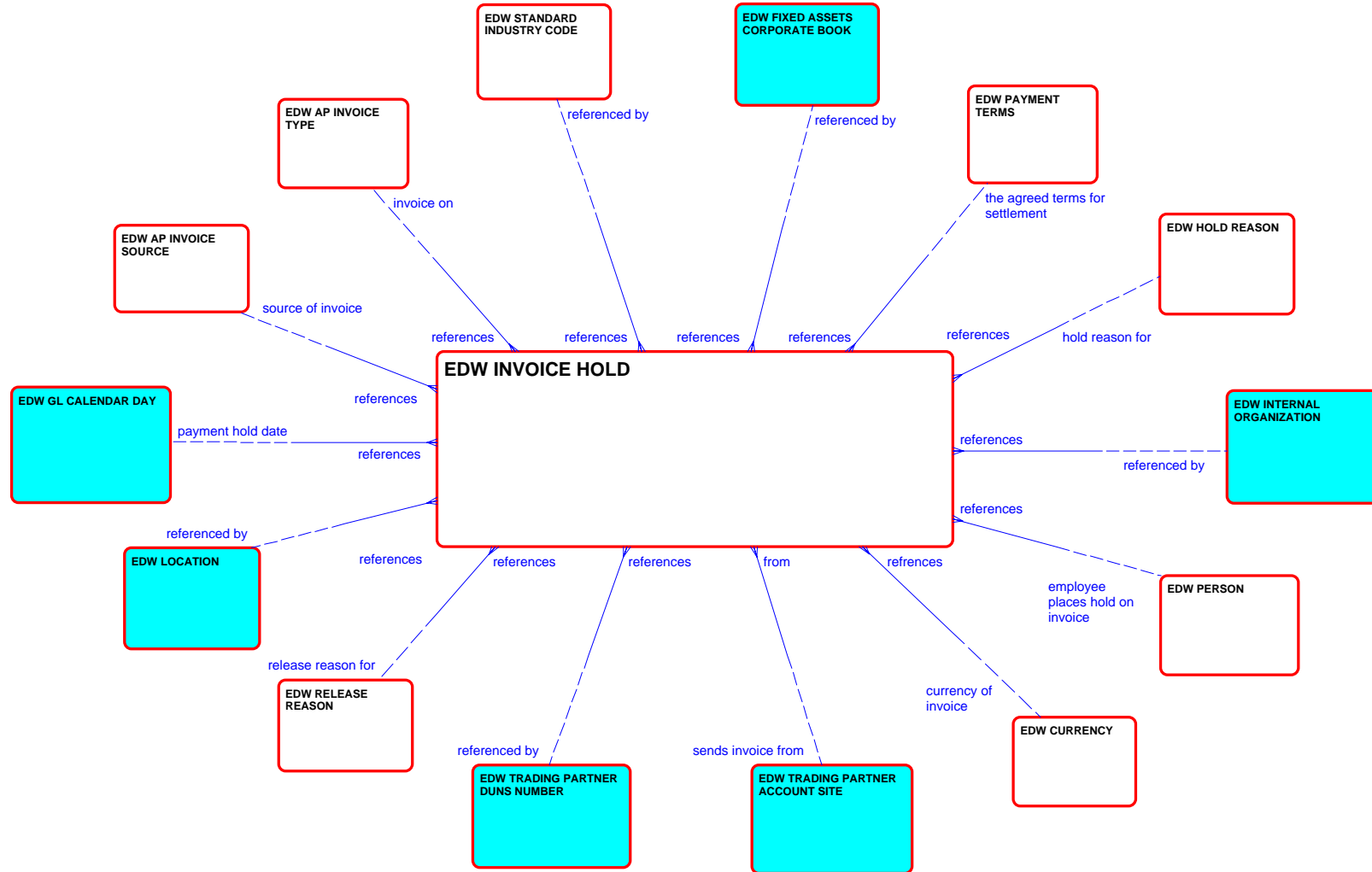
Workforce Separation
Hierarchy



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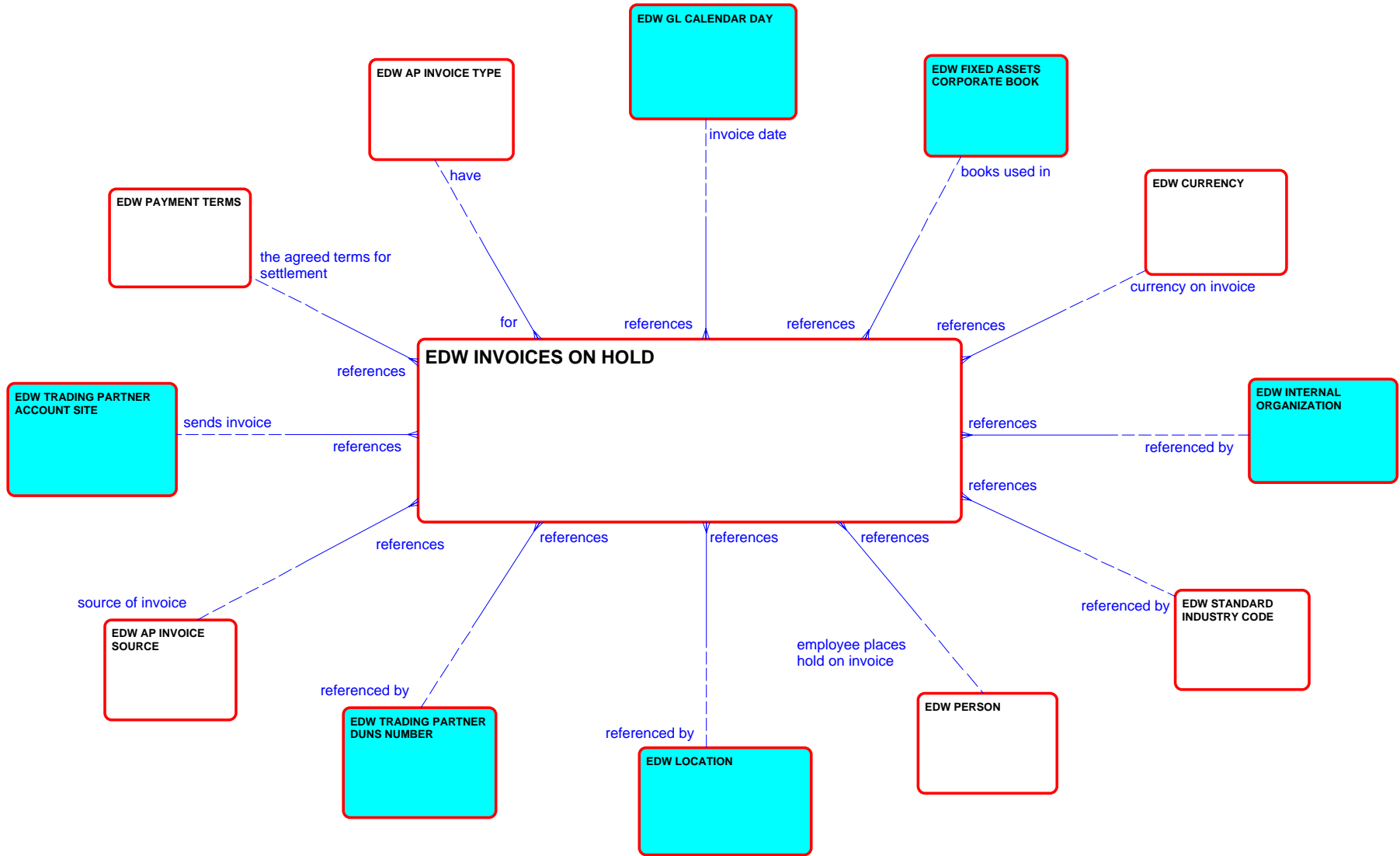
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Enterprise Data Warehouse
Financials Intelligence - Invoice Hold



Oracle Business Intelligence System - Release R11i

Enterprise Data Warehouse

Financials Intelligence - Invoices On Hold

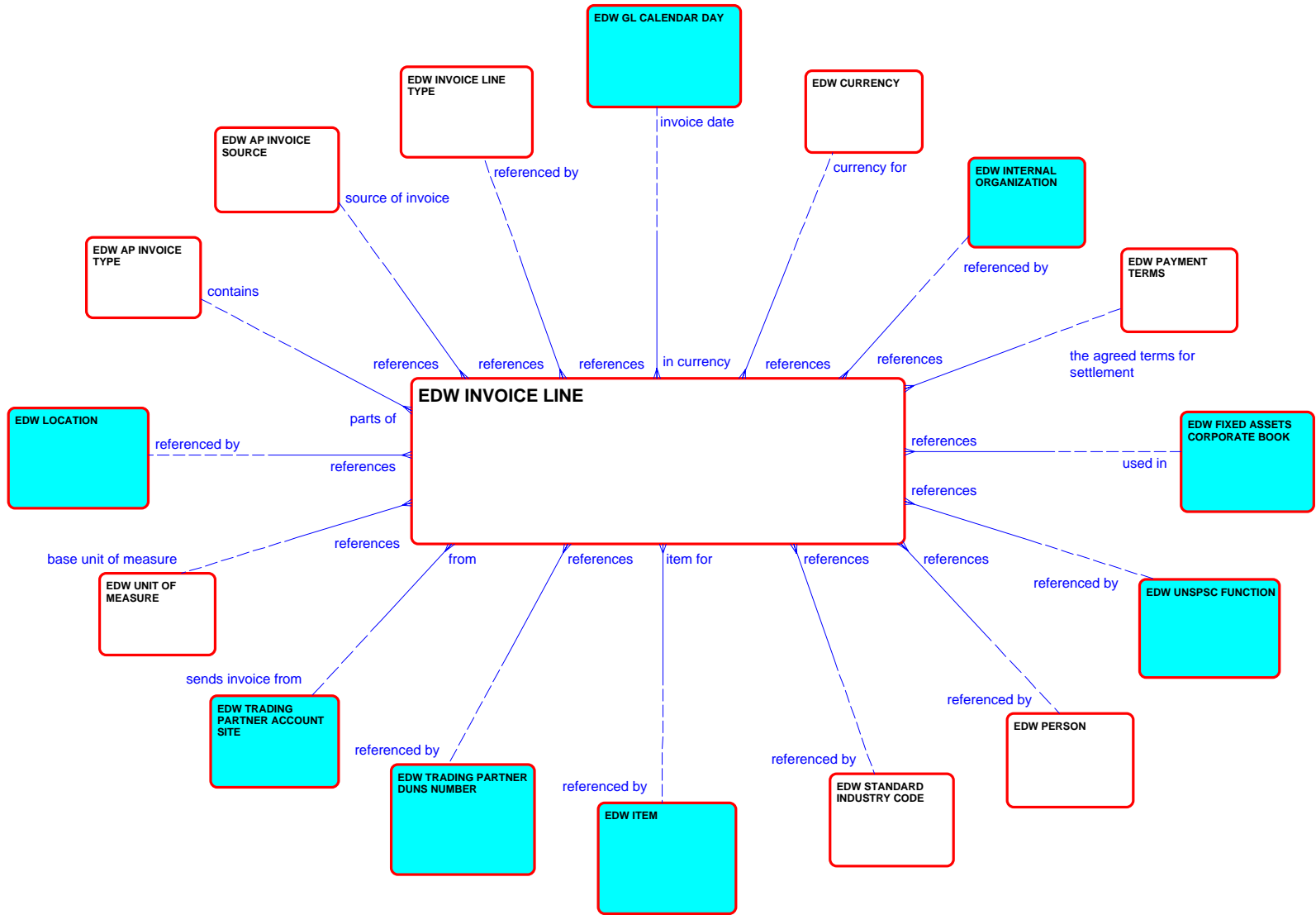


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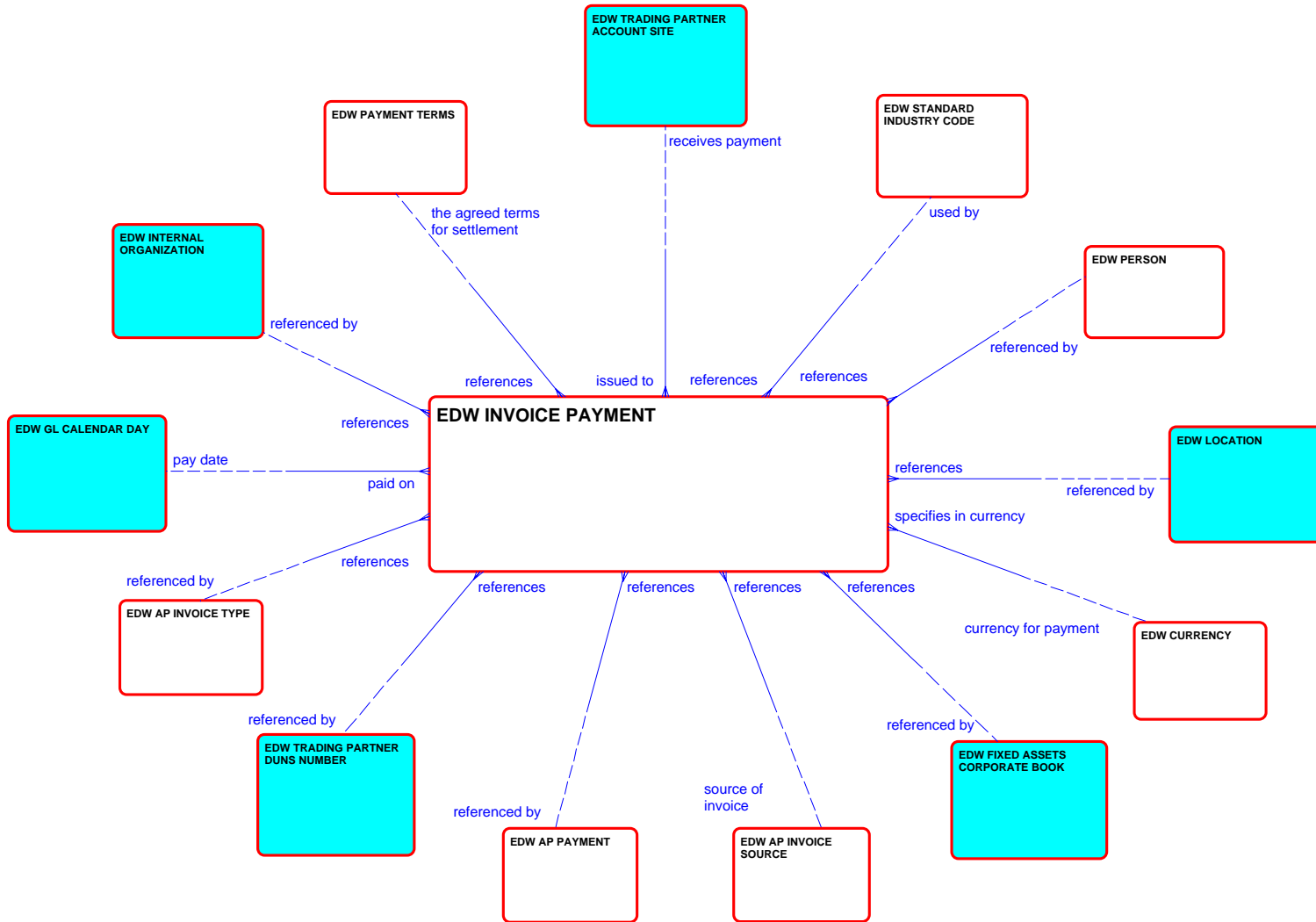
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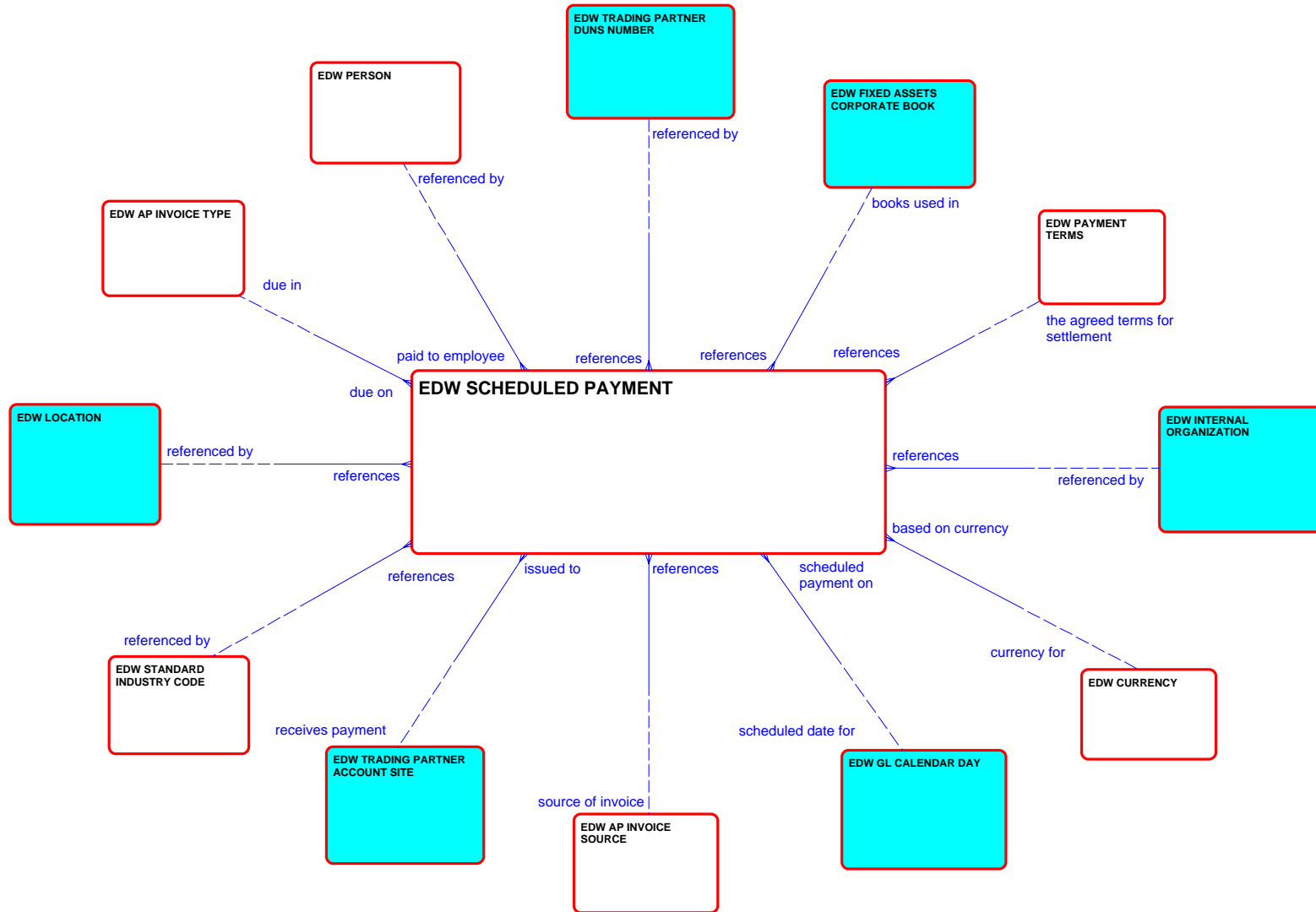
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Financials Intelligence - Invoice Line**



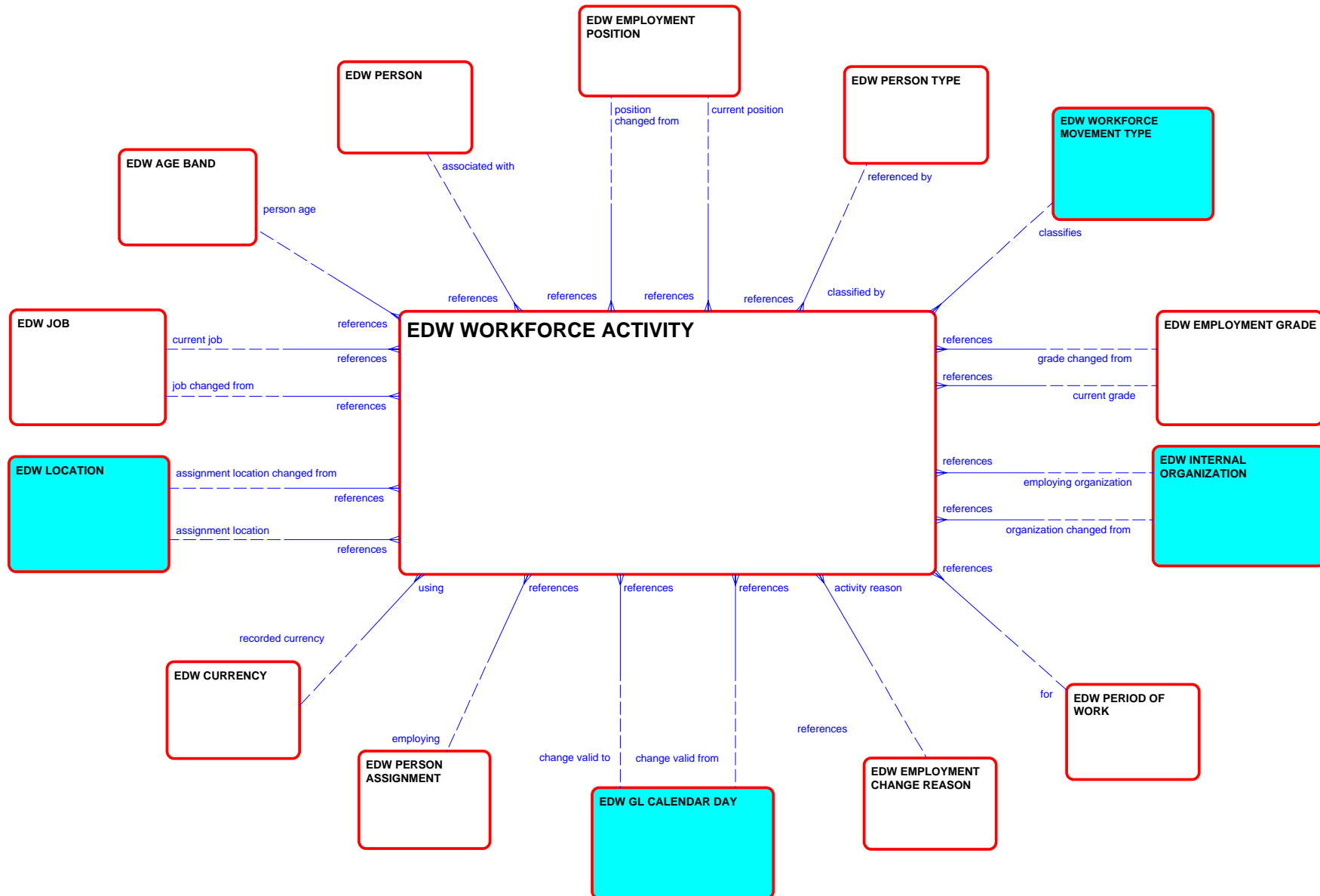
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 Financials Intelligence - Invoice Payment



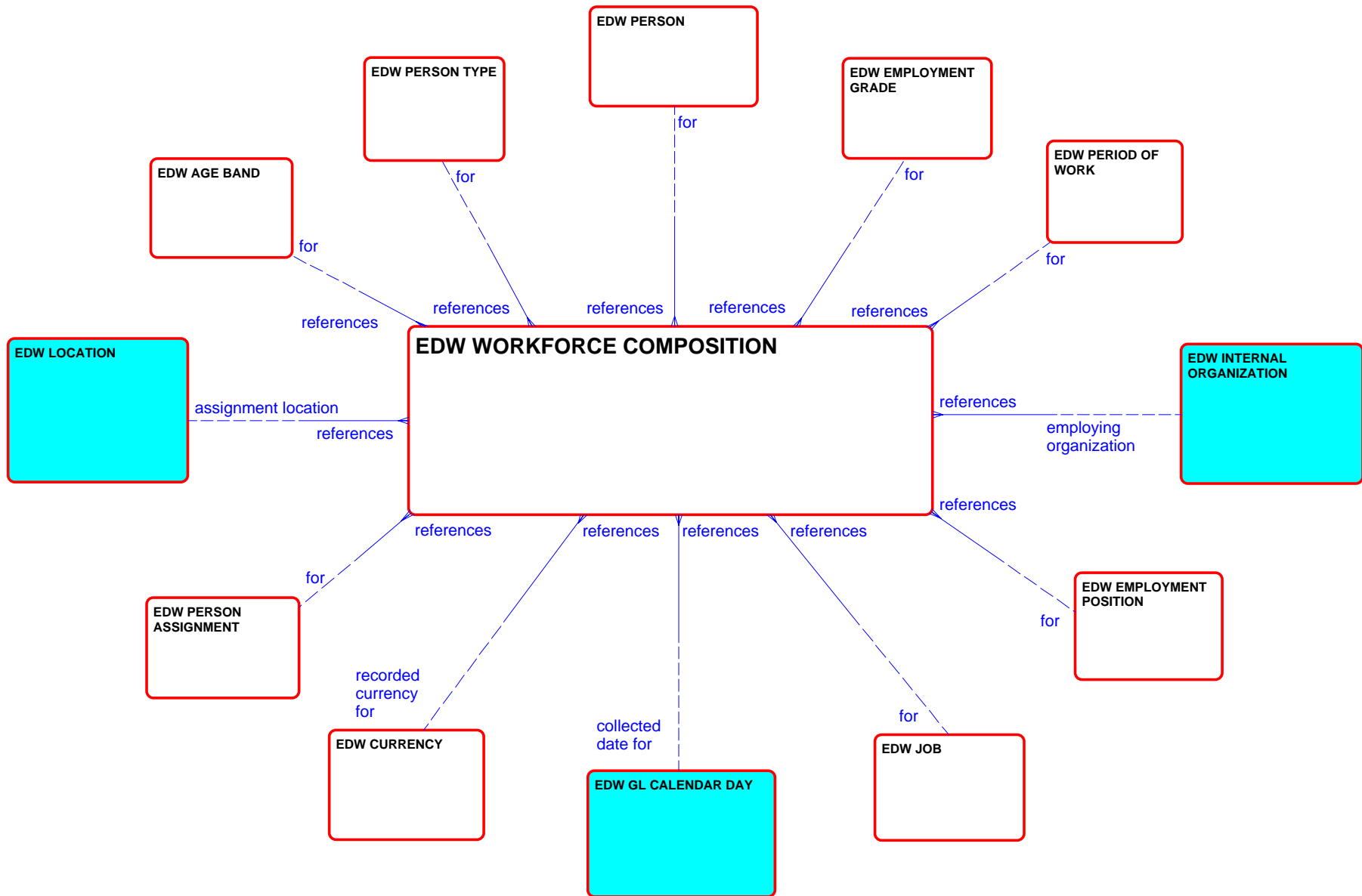
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Enterprise Data Warehouse
Financials Intelligence - Scheduled Payment



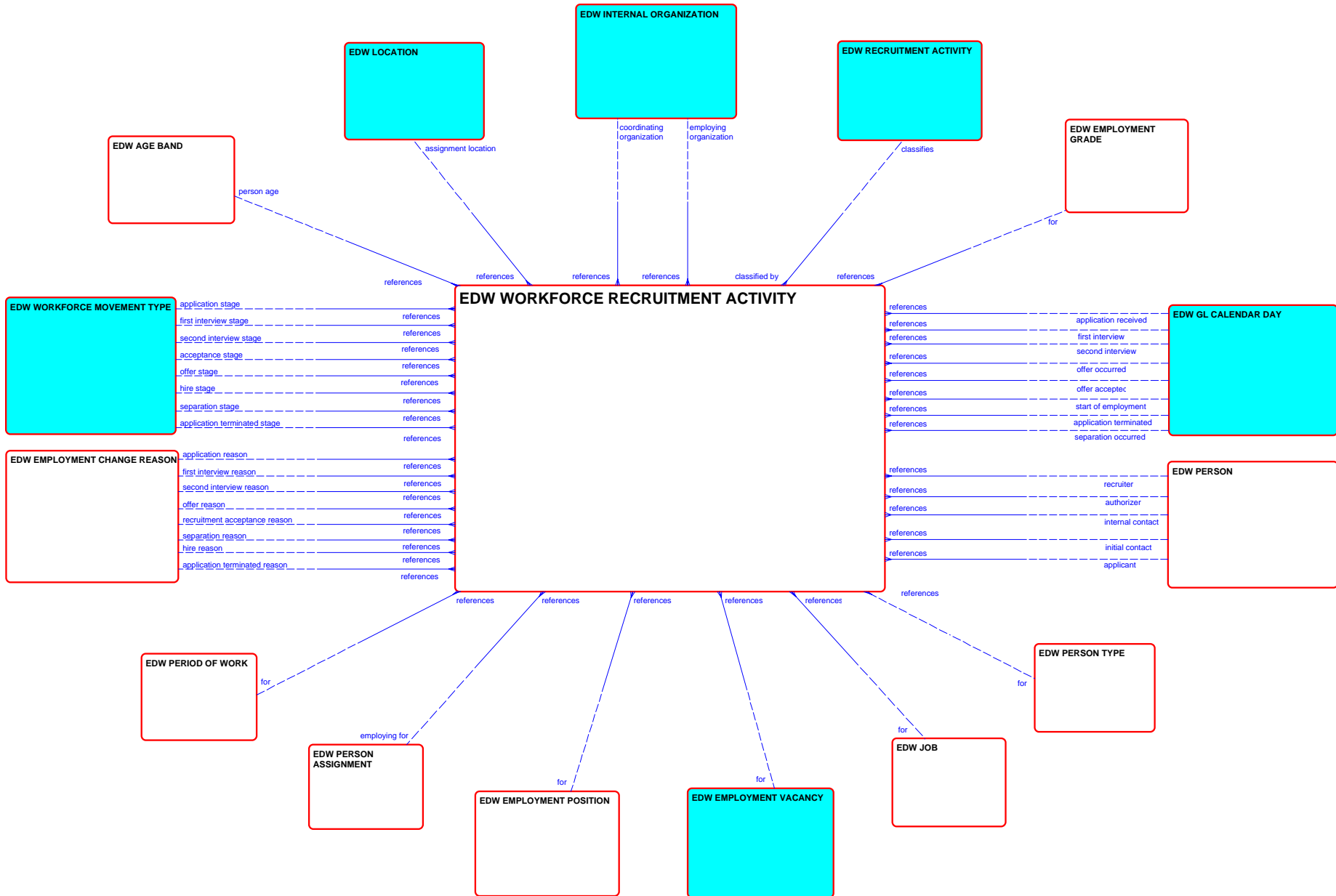
Oracle Business Intelligence System - Release 11i Enterprise Data Warehouse Human Resource Intelligence - Workforce Activity



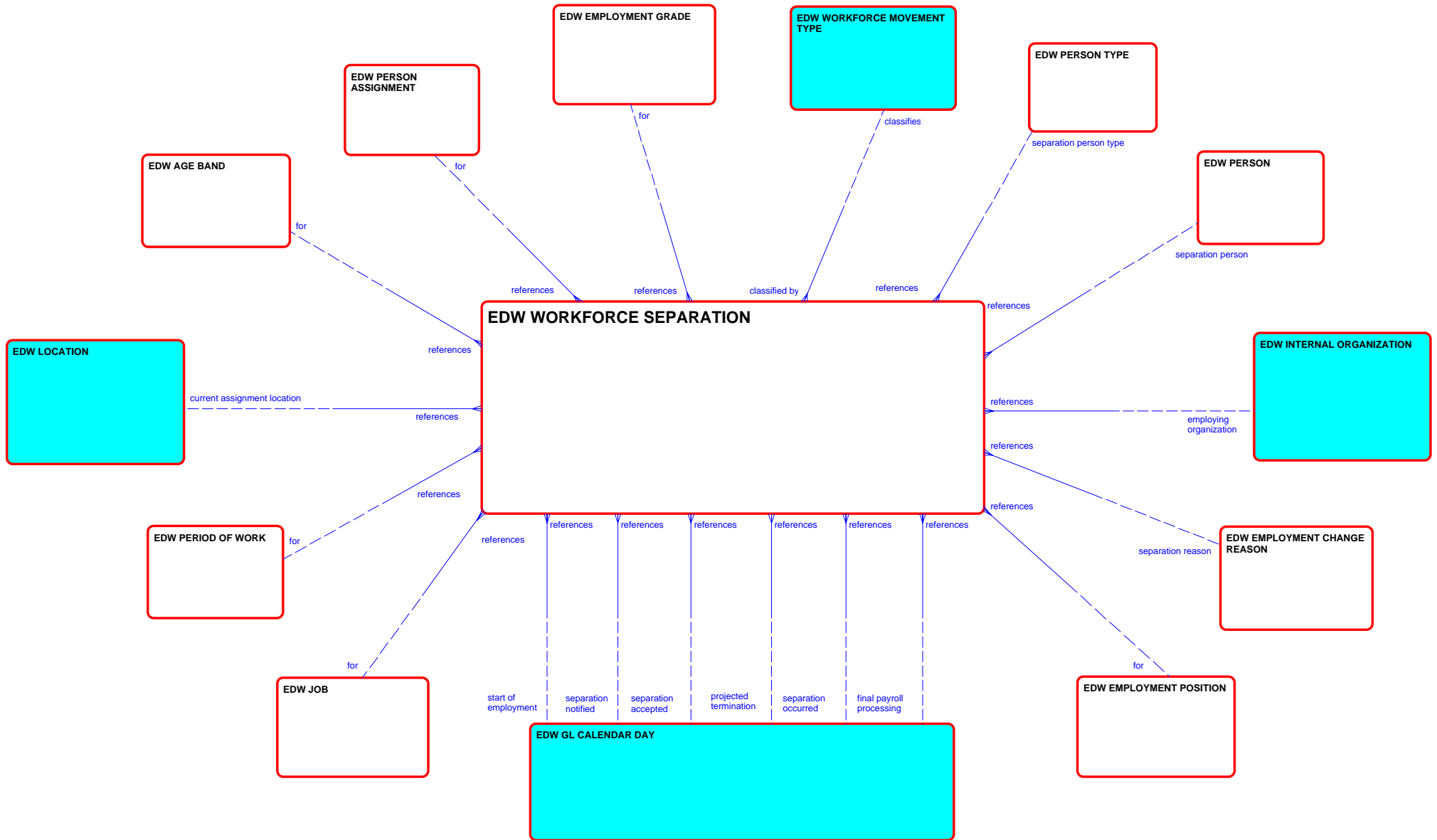
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Human Resource Intelligence - Workforce Composition



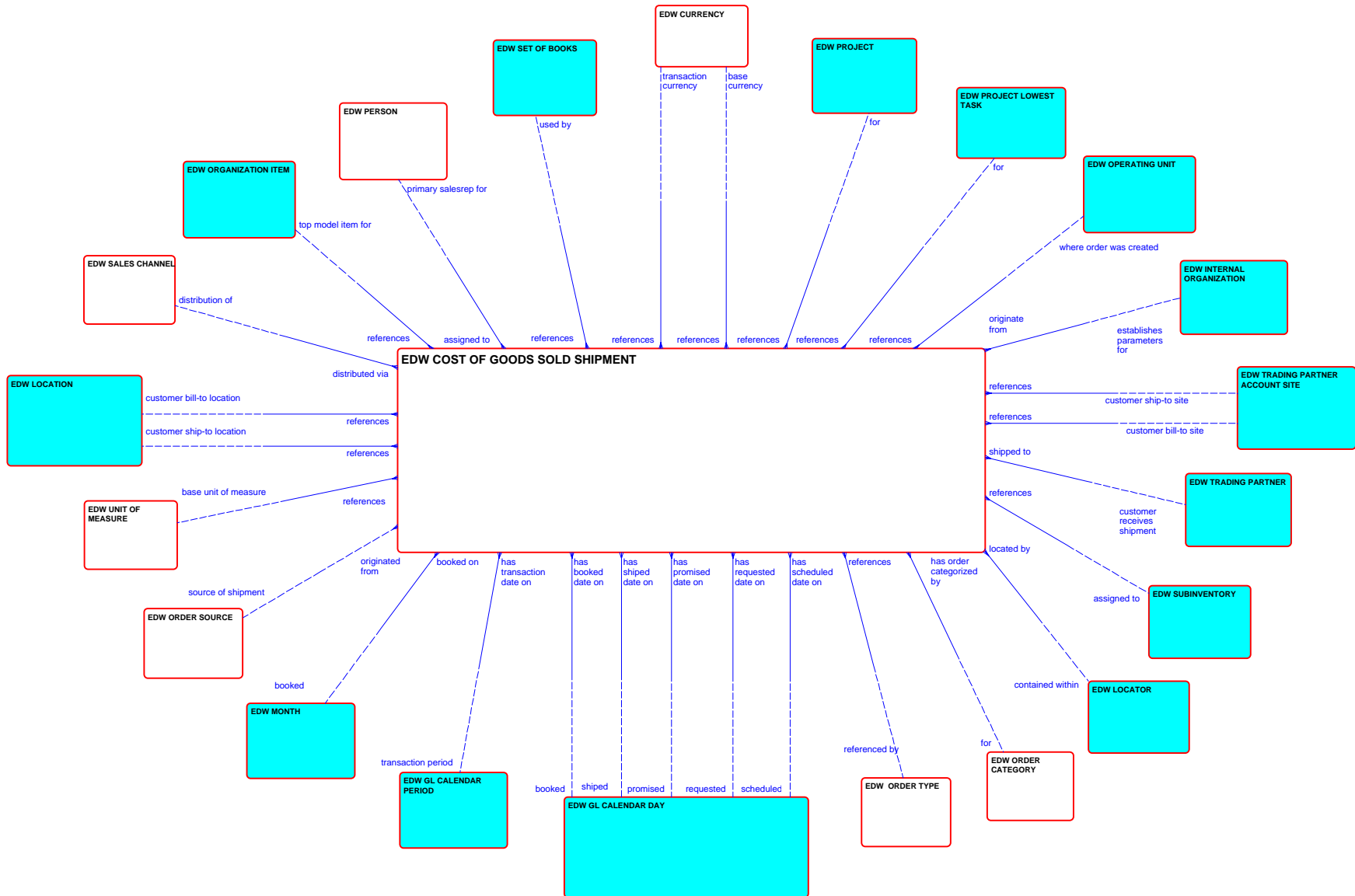
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Enterprise Data Warehouse
Human Resource Intelligence - Workforce Recruitment Activity**



**Oracle Business Intelligence System - Release 11i
Enterprise Data Warehouse
Human Resource Intelligence - Workforce Separation**



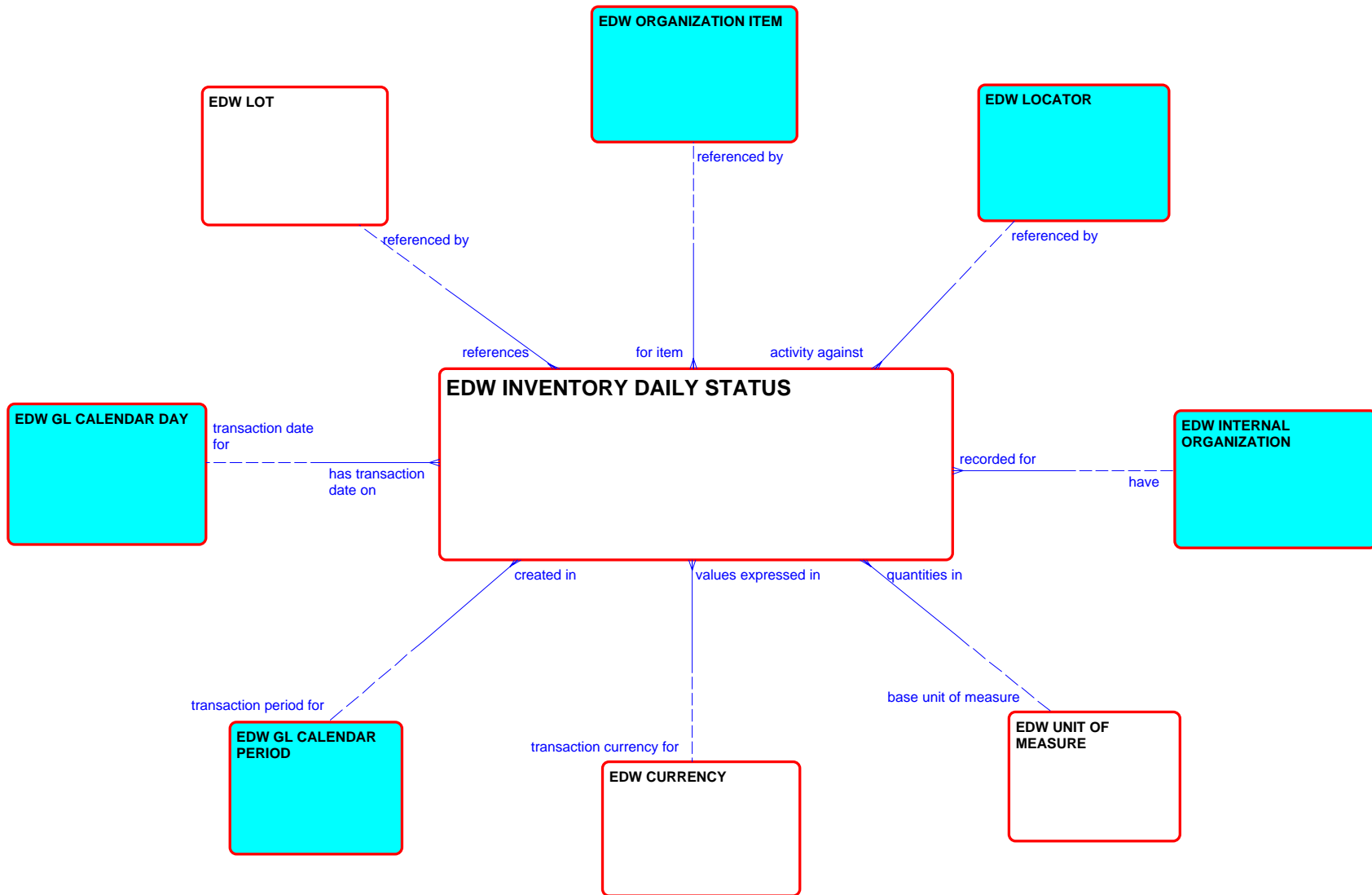
Oracle Business Intelligence System - Release R11i
Enterprise Data Warehouse
Manufacturing Intelligence - Cost Of Goods Sold Shipment



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Oracle Business Intelligence - Release 11i
Enterprise Data Warehouse
Manufacturing Intelligence - Inventory Daily Status

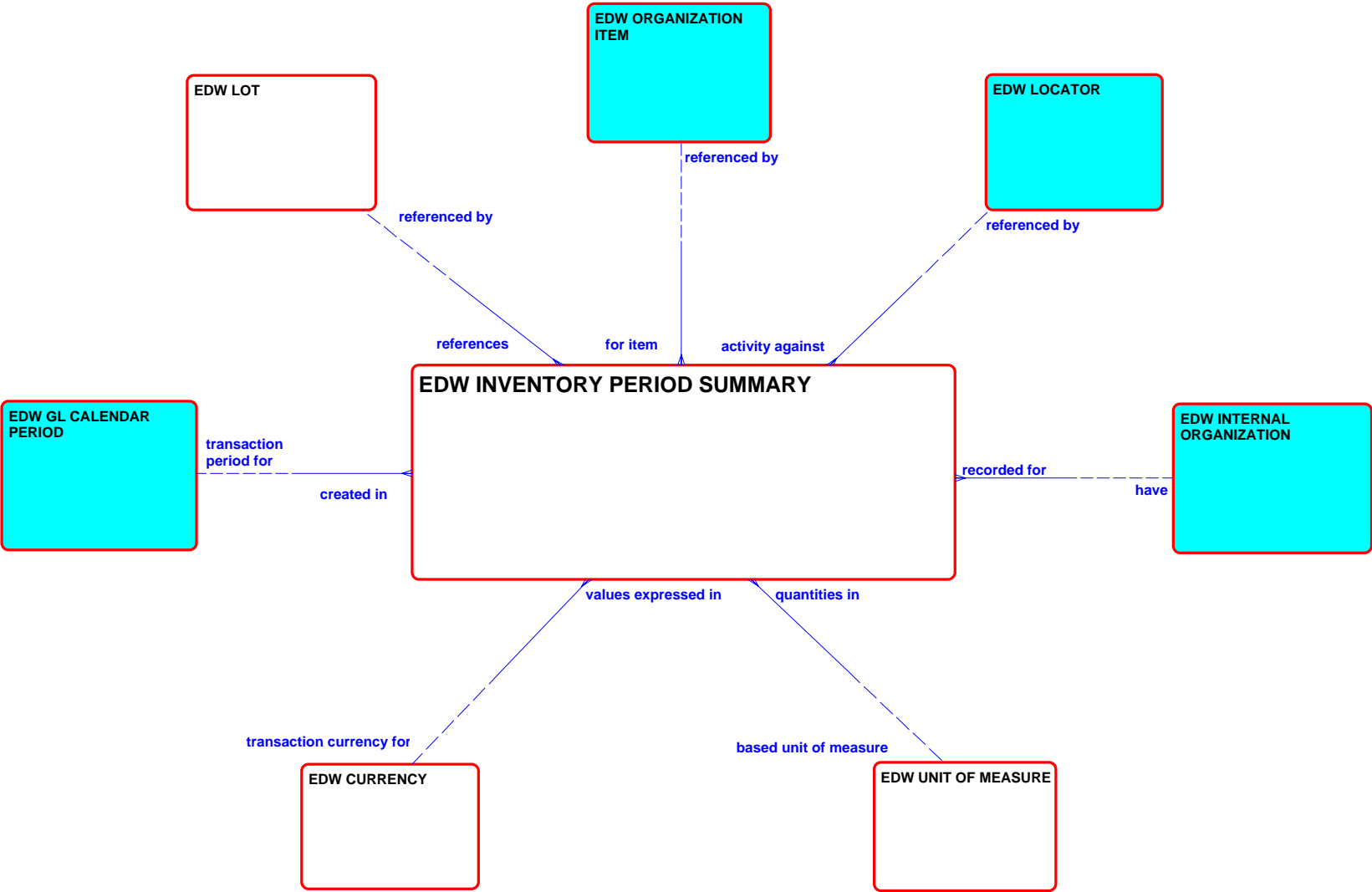


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Oracle Business Intelligence - Release 11i
Enterprise Data Warehouse
Manufacturing Intelligence - Inventory Period Summary

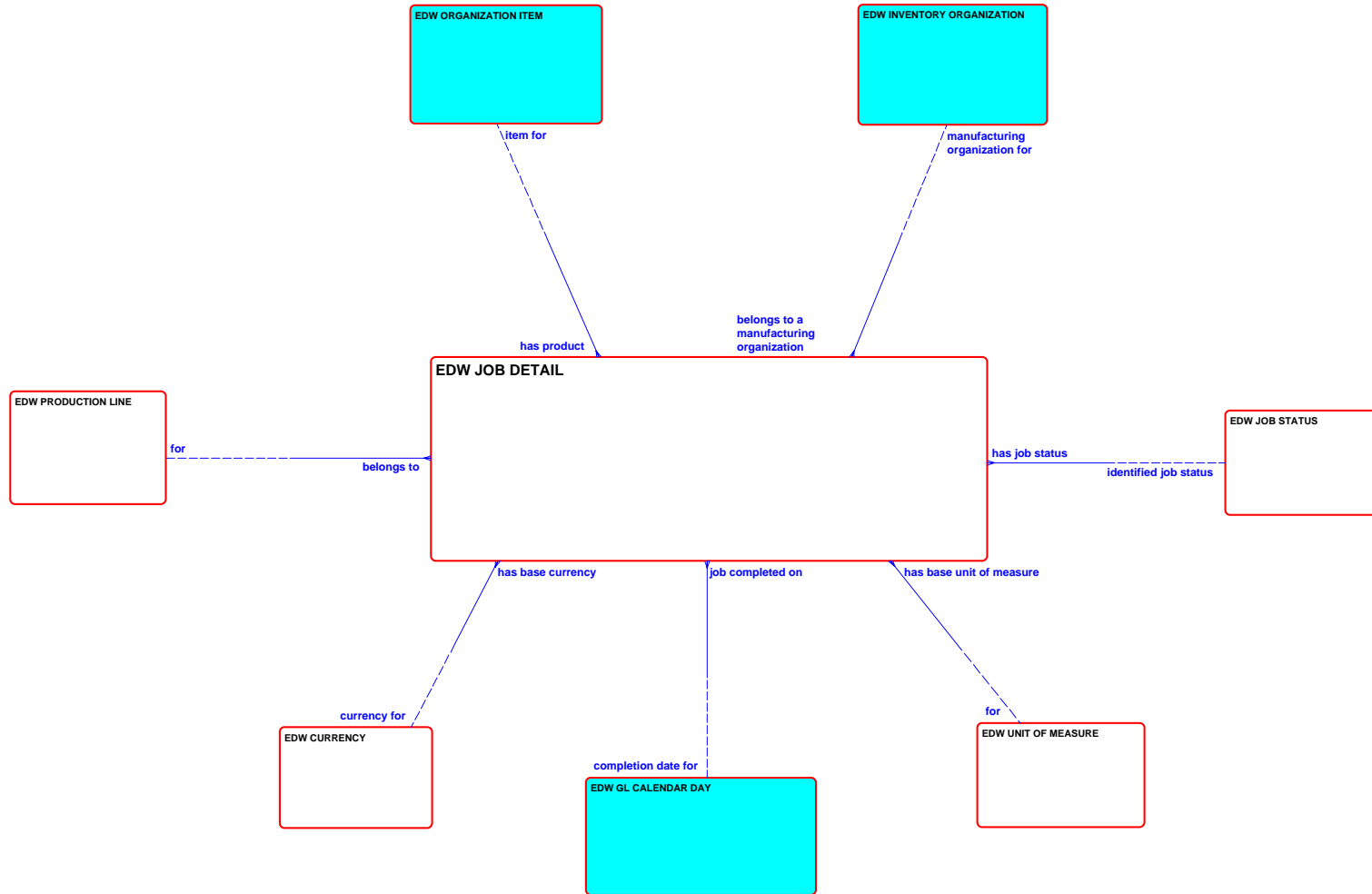


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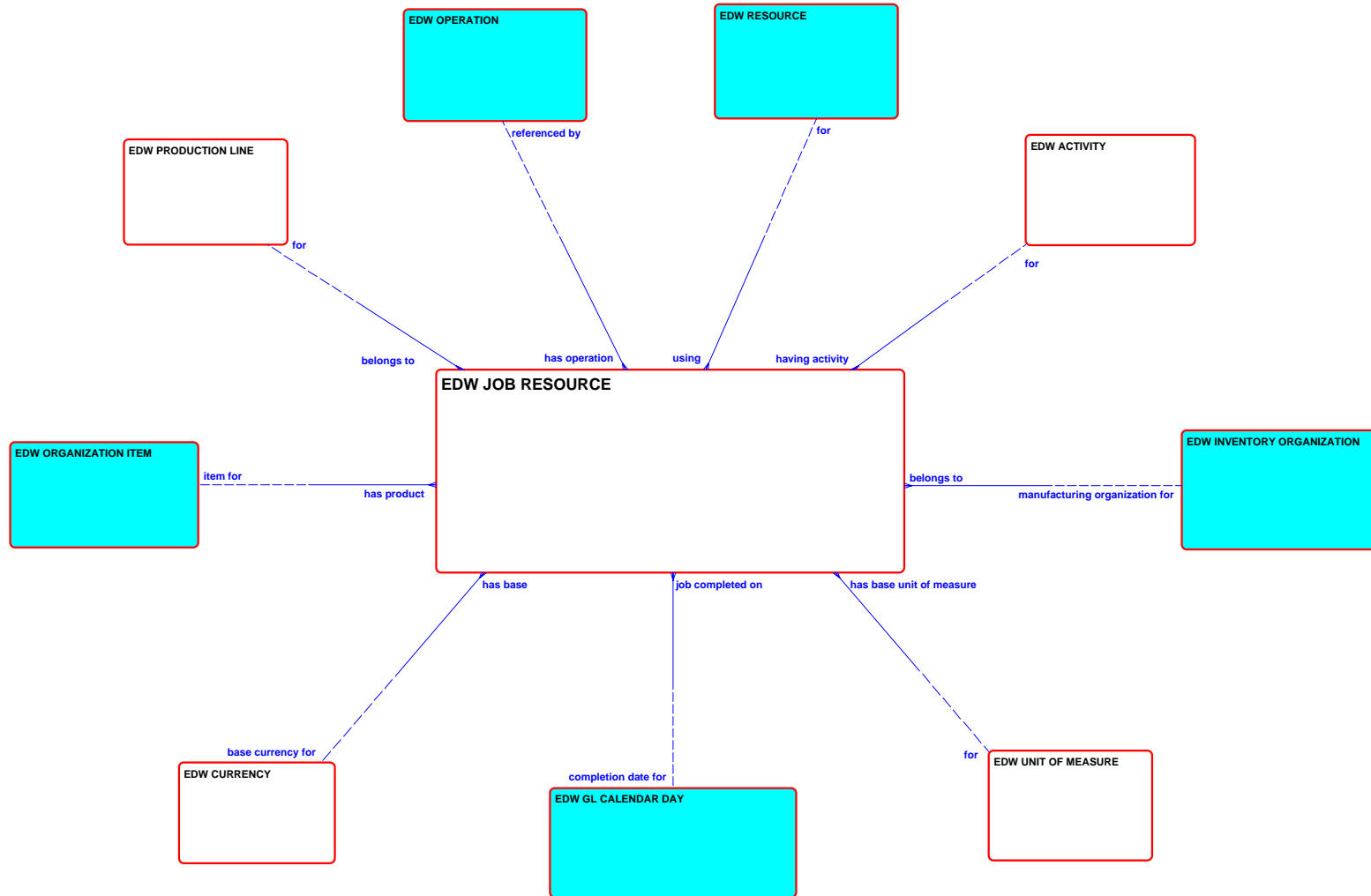
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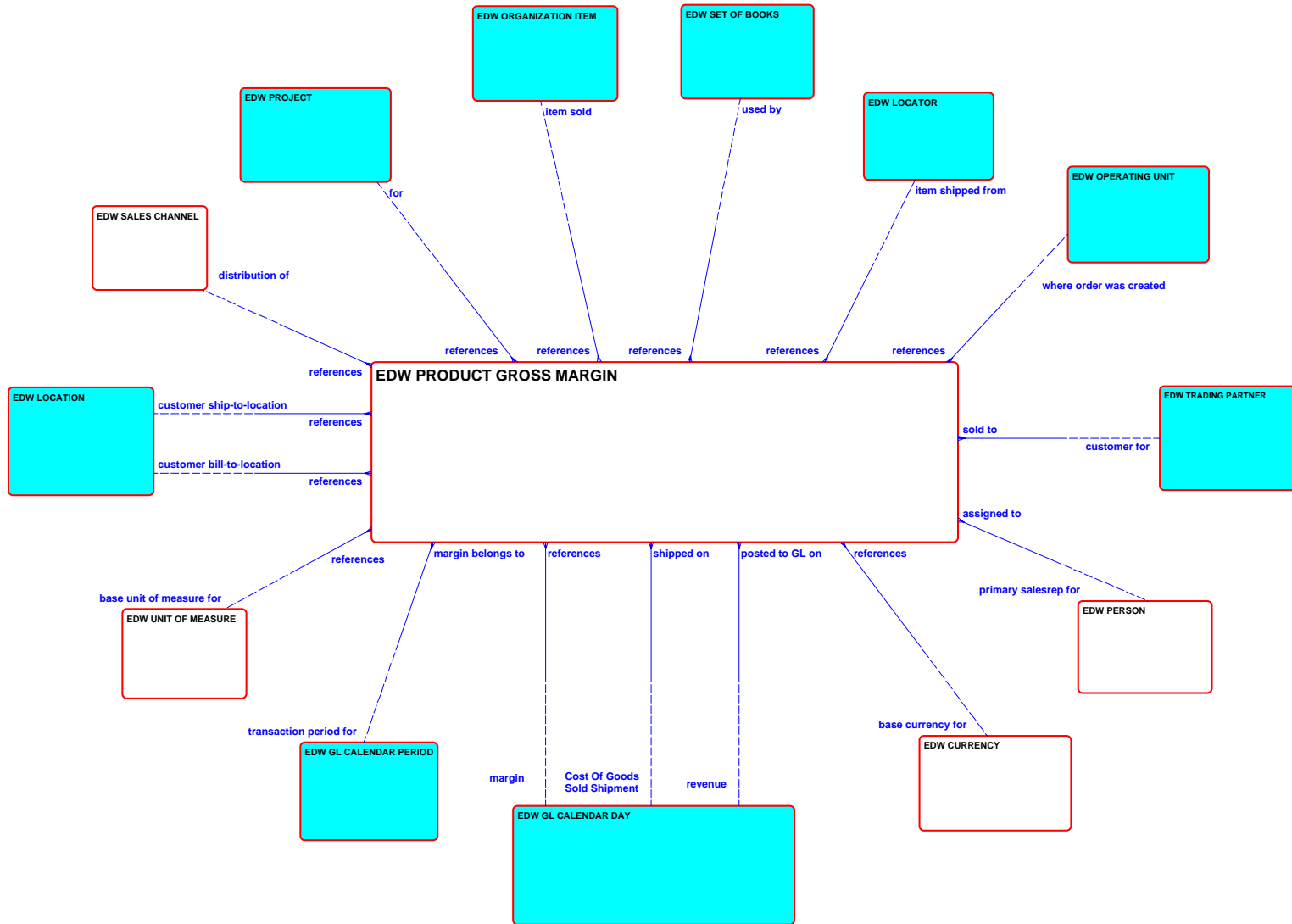
Oracle Business Intelligence - Release 11i
Enterprise Data Warehouse
Manufacturing Intelligence - Job Detail



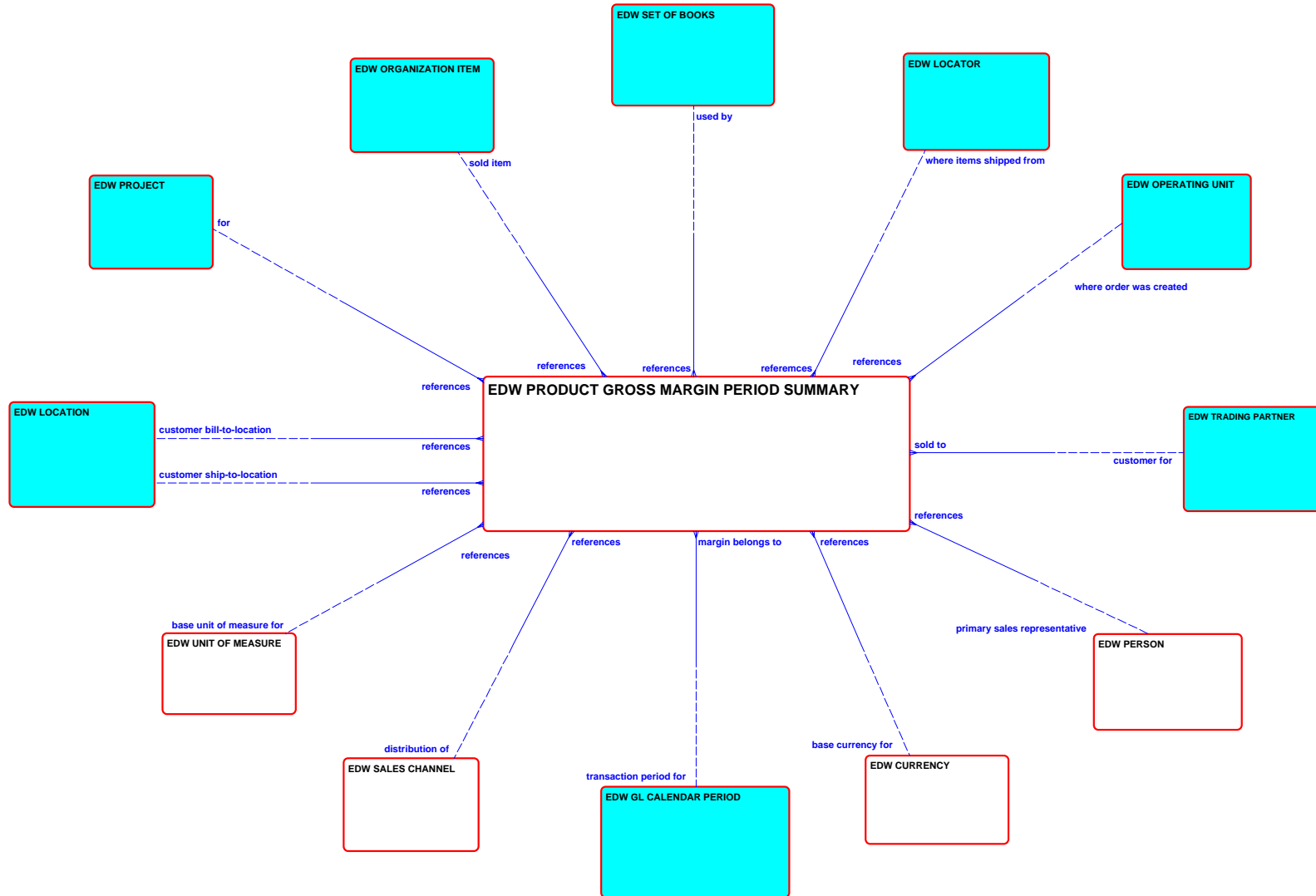
Oracle Business Intelligence - Release 11i
Enterprise Data Warehouse
Manufacturing Intelligence - Job Resource



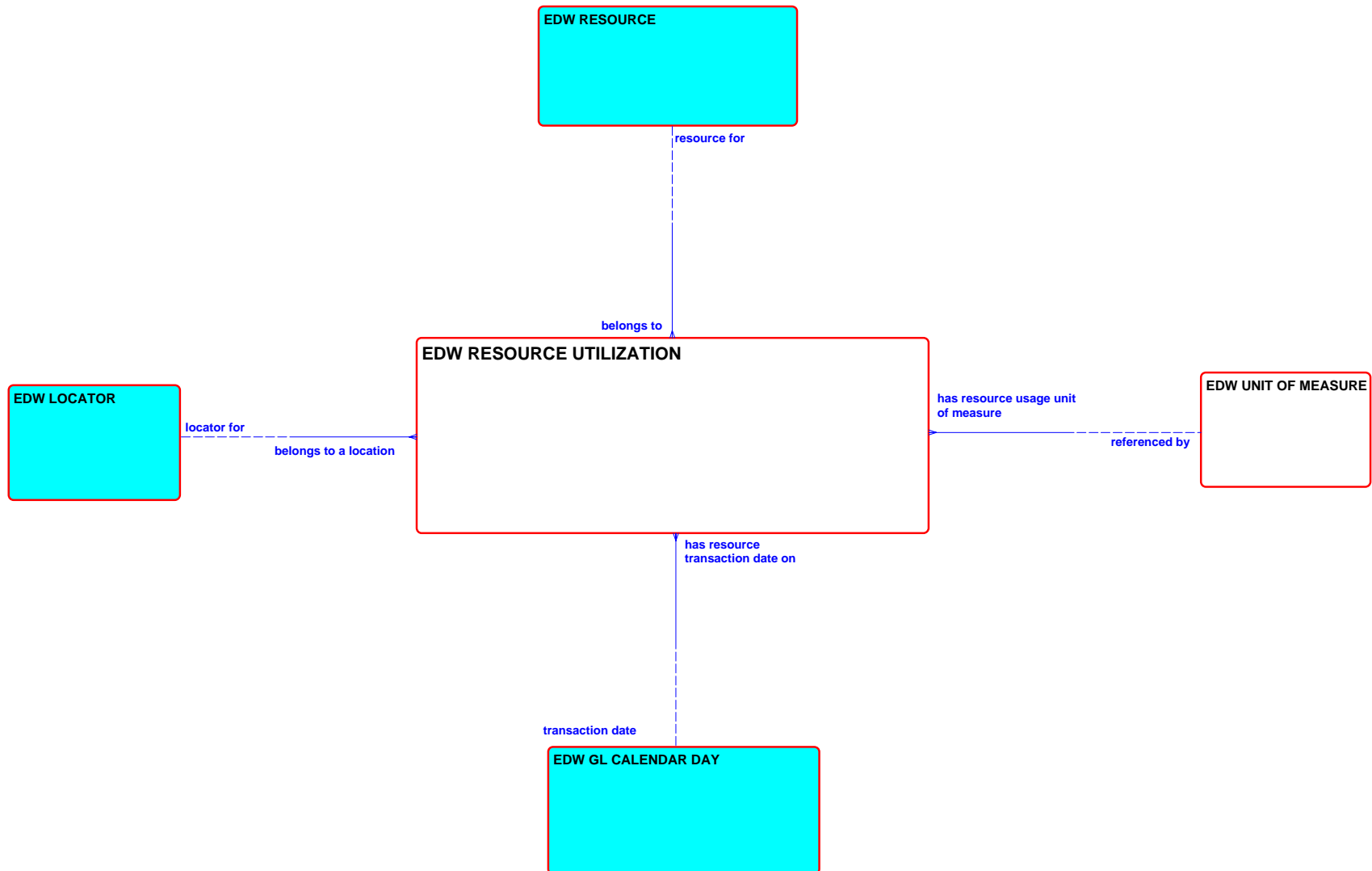
Oracle Business Intelligence - Release 11i
 Enterprise Data Warehouse
 Manufacturing Intelligence - Product Gross Margin



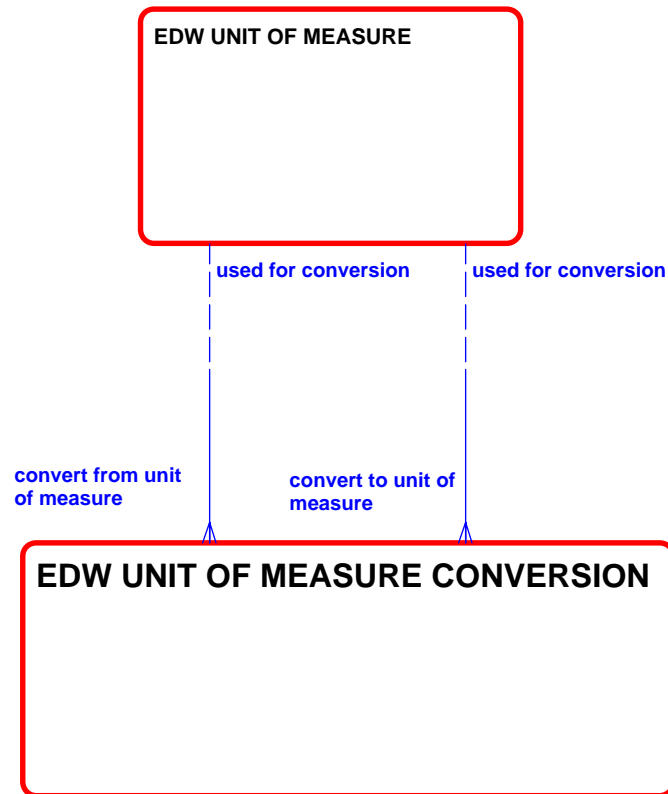
Oracle Business Intelligence - Release 11i
 Enterprise Data Warehouse
 Manufacturing Intelligence - Product Gross Margin Period Summary



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Enterprise Data Warehouse
Manufacturing Intelligence - Resource Utilization



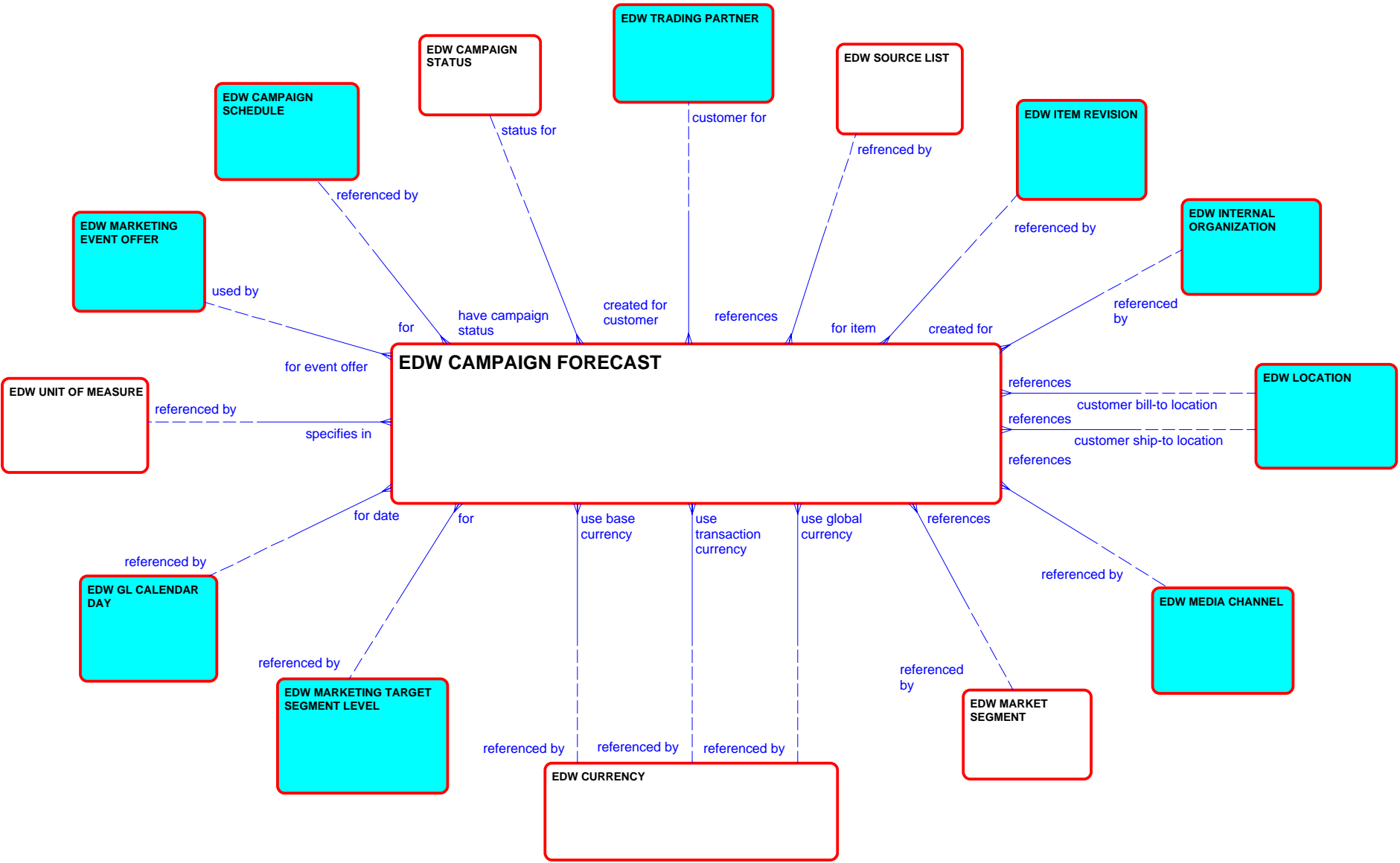
**Oracle Business Intelligence - Release 11i
Enterprise Data Warehouse
Manufacturing Intelligence - Unit Of Measure Conversion**



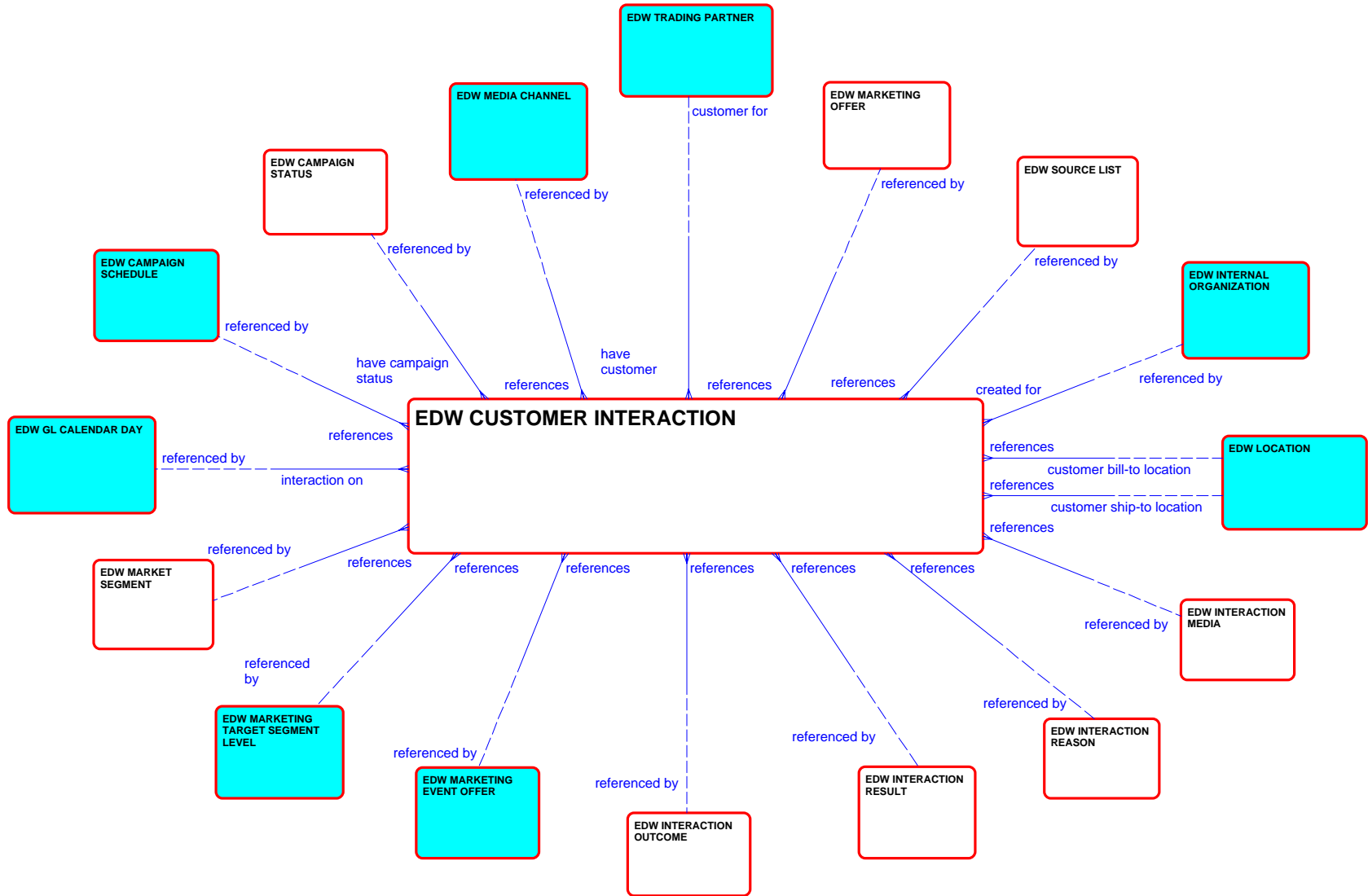
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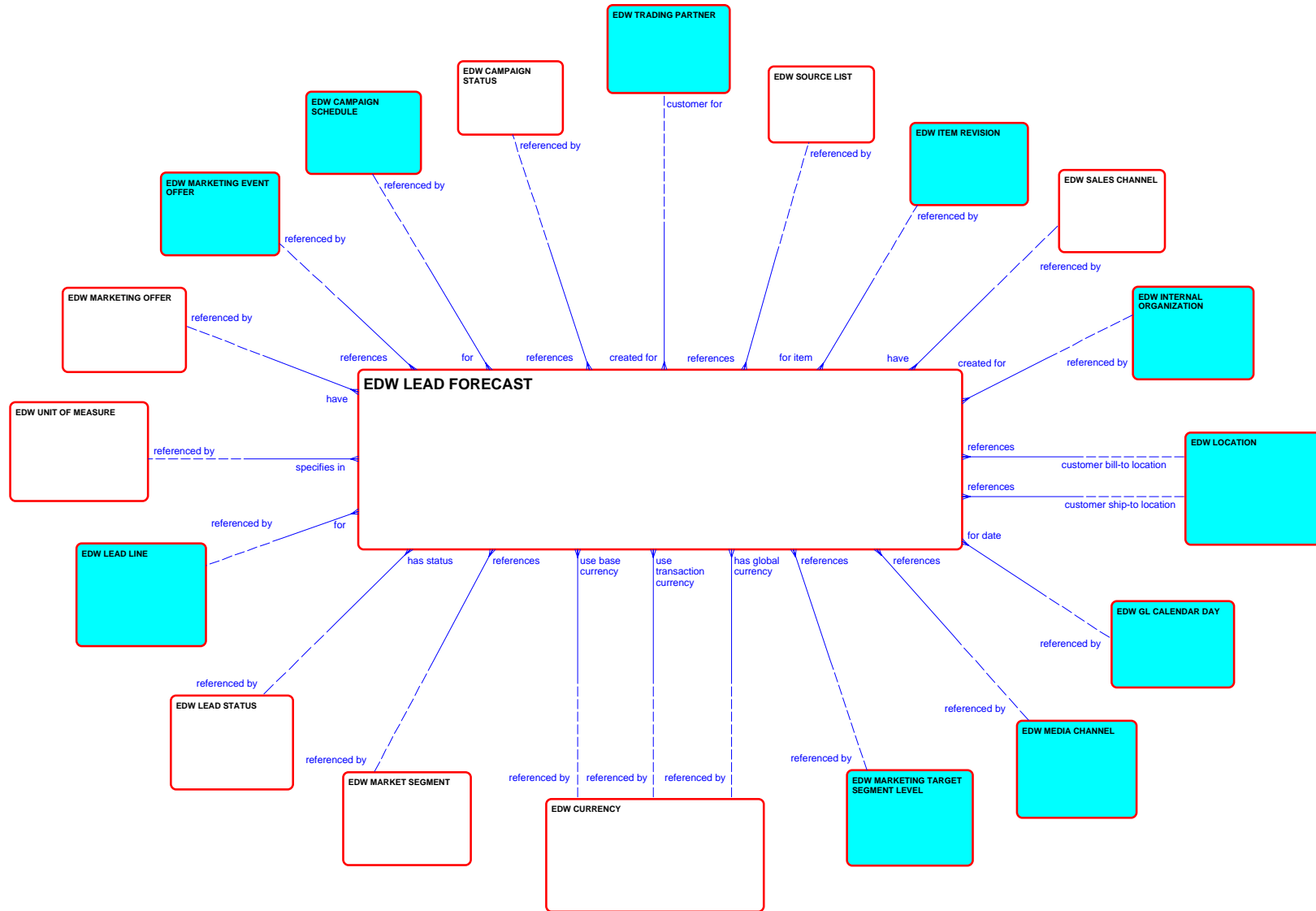
**Oracle Business Intelligence System - Release 11i
Enterprise Data Warehouse
Marketing Intelligence - Campaign Forecast**



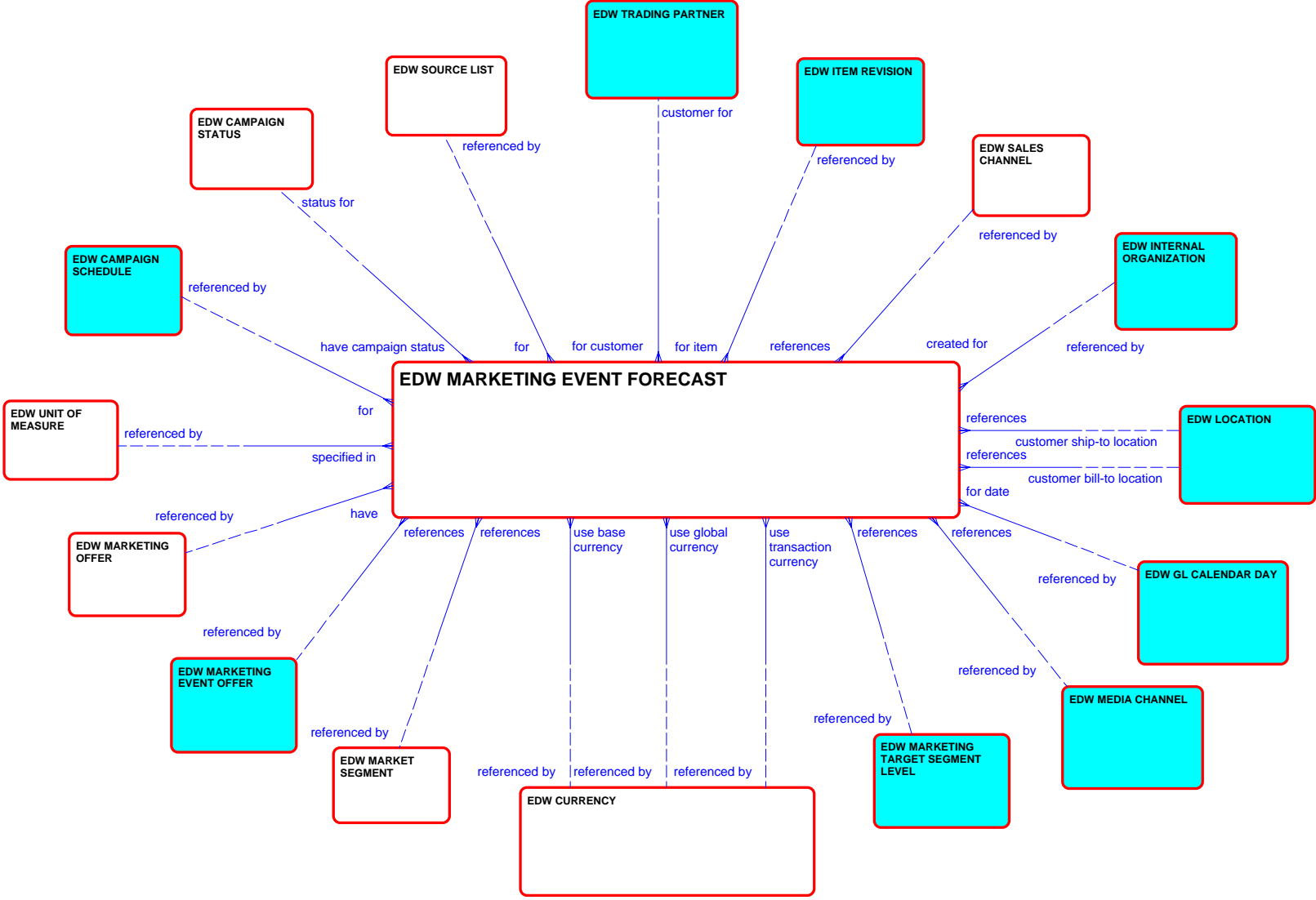
**Oracle Business Intelligence System - Release 11i
Enterprise Data Warehouse
Marketing Intelligence - Customer Interaction**



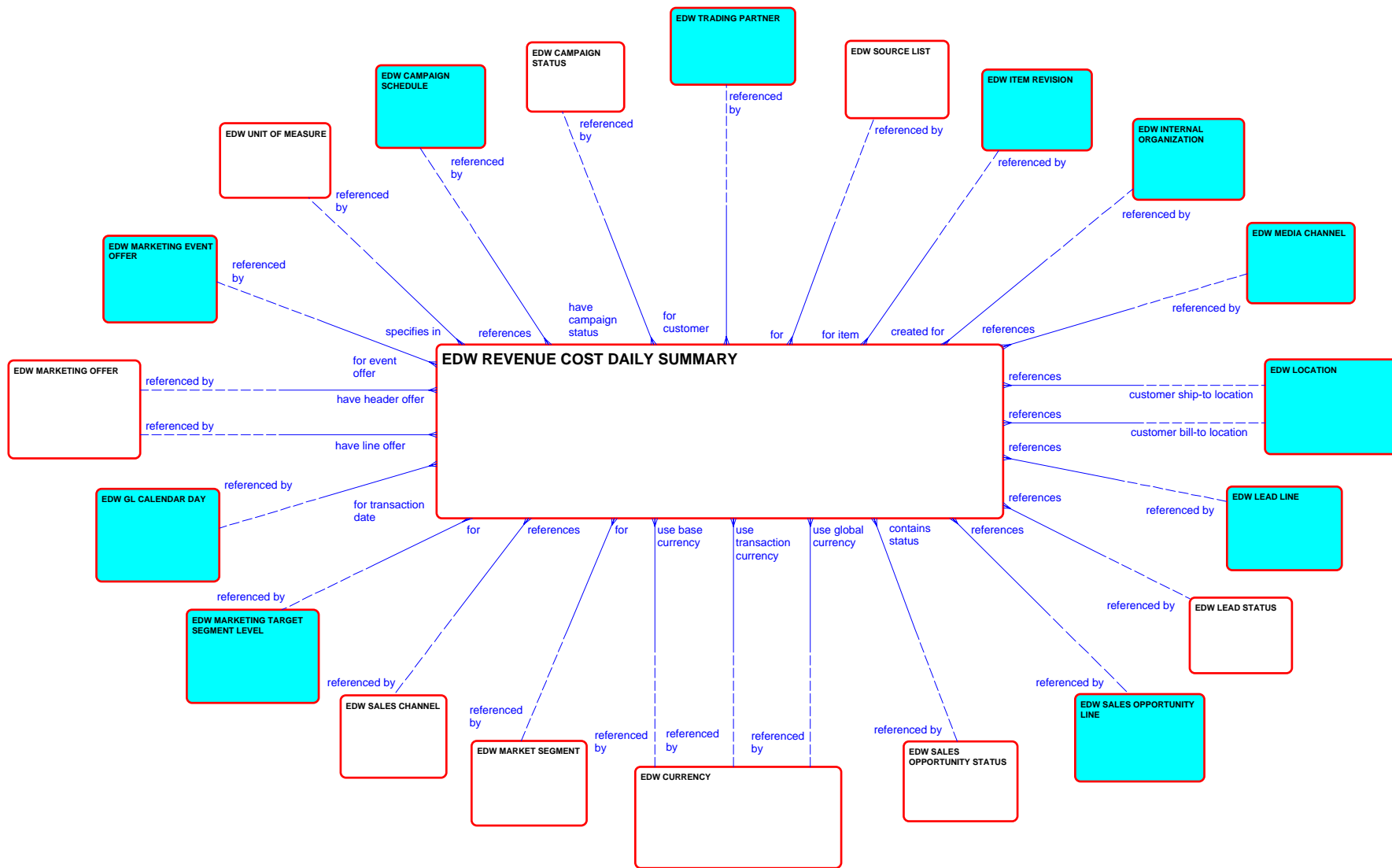
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Enterprise Data Warehouse
Marketing Intelligence - Lead Forecast



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Enterprise Data Warehouse
Marketing Intelligence - Marketing Event Forecast**



Oracle Business Intelligence System - Release 11i
Enterprise Data Warehouse
Marketing Intelligence - Revenue Cost Daily Summary

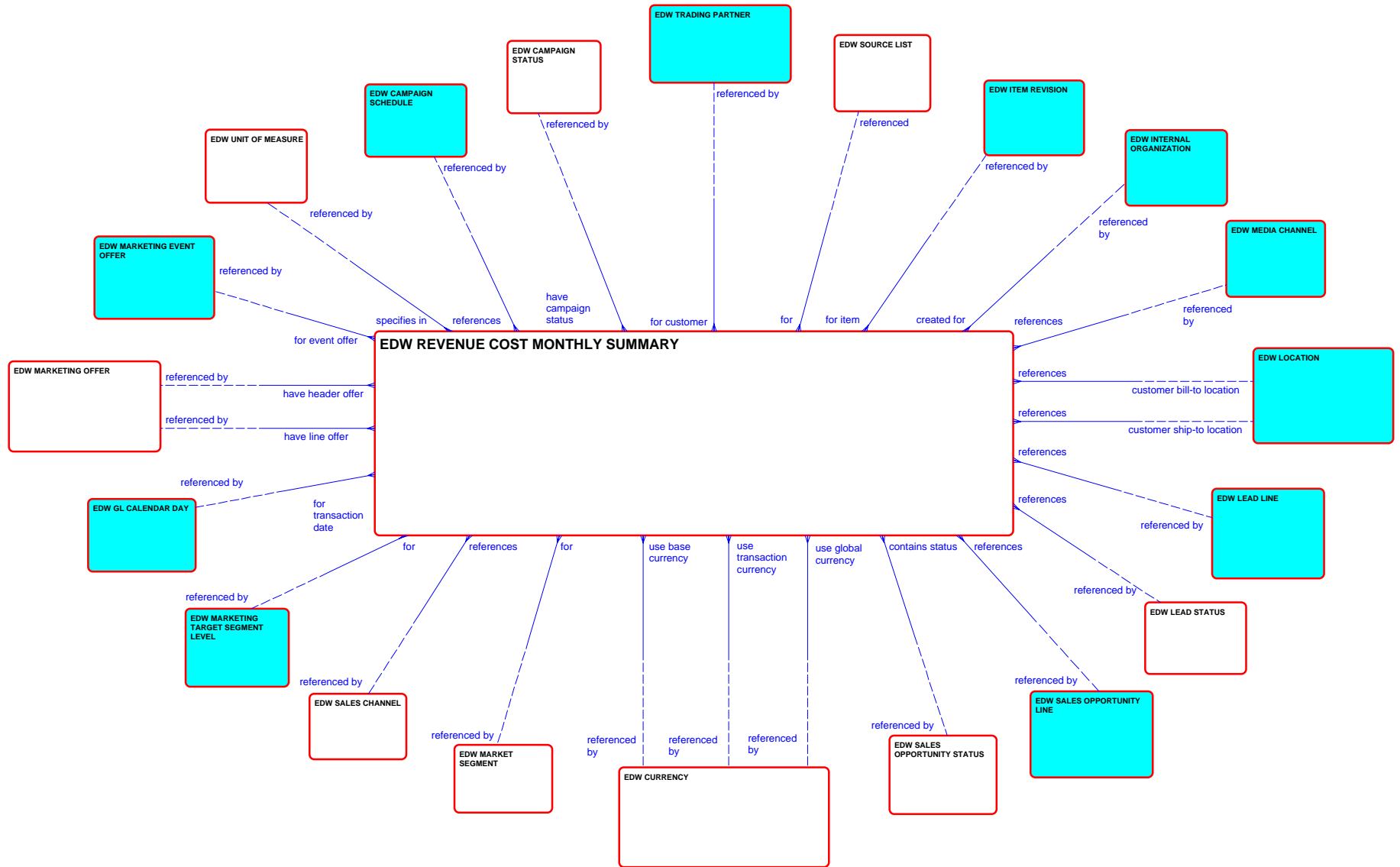


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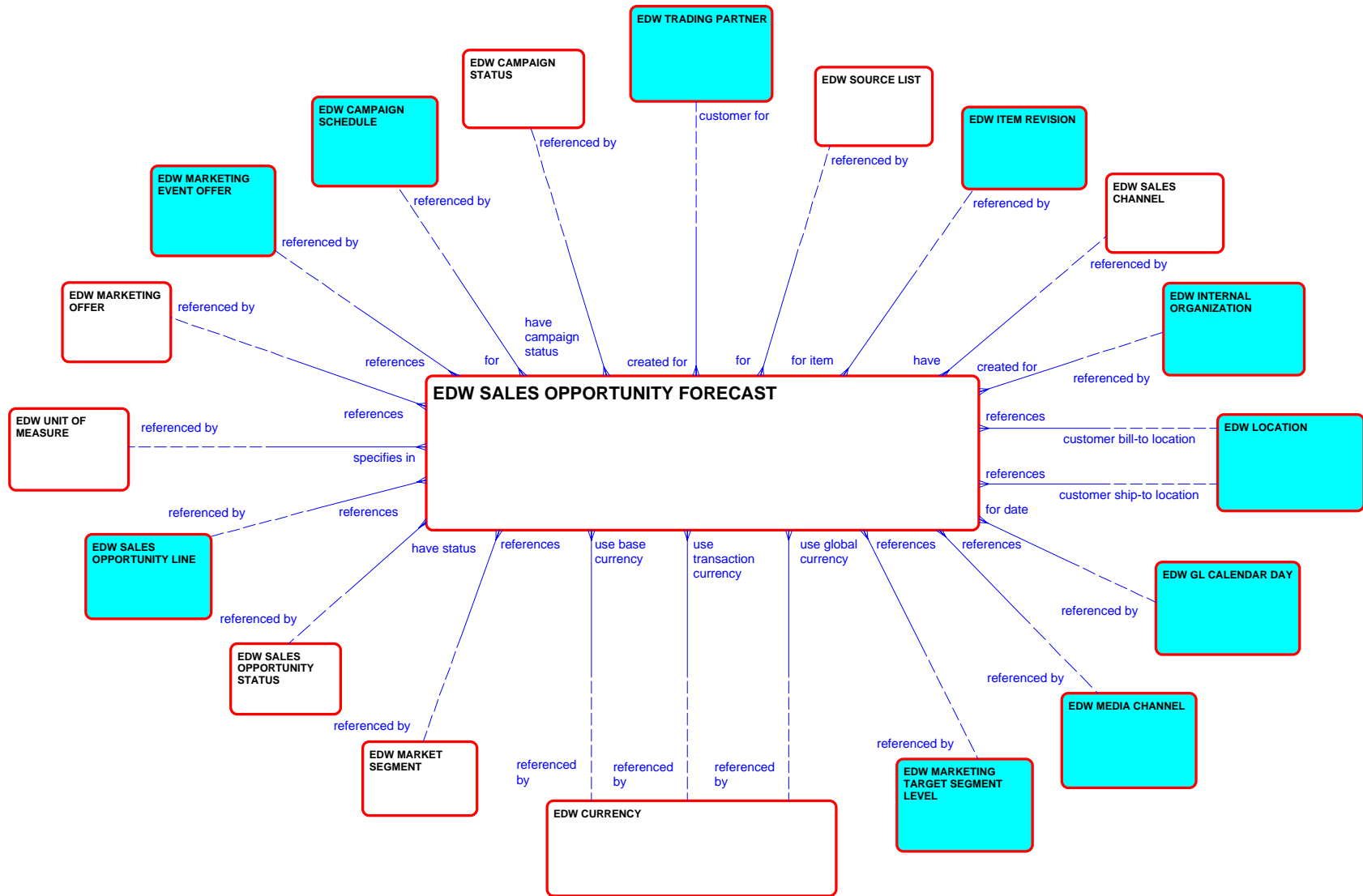
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Enterprise Data Warehouse
Marketing Intelligence - Revenue Cost Monthly Summary



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Enterprise Data Warehouse
Marketing Intelligence - Sales Opportunity Forecast**

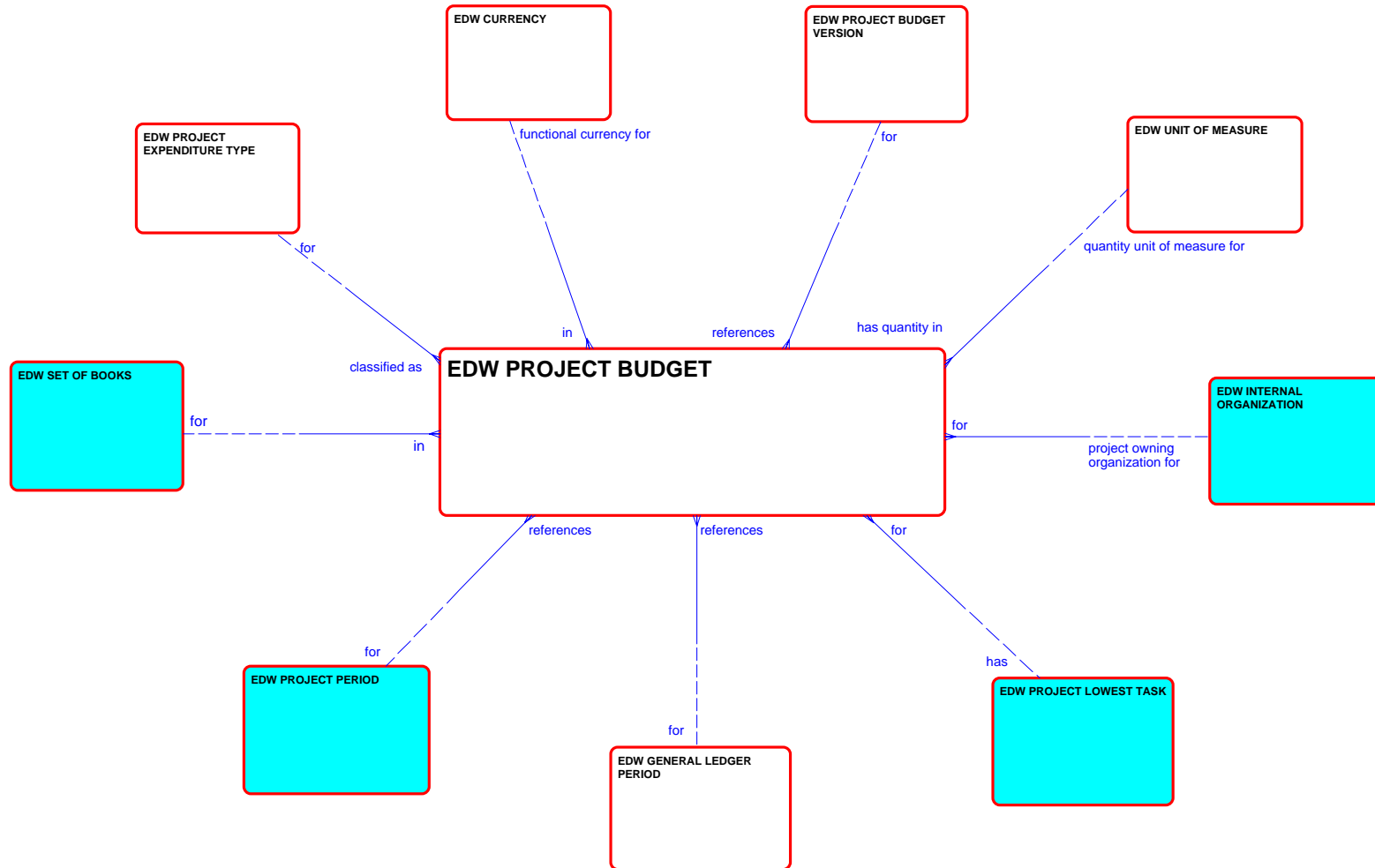


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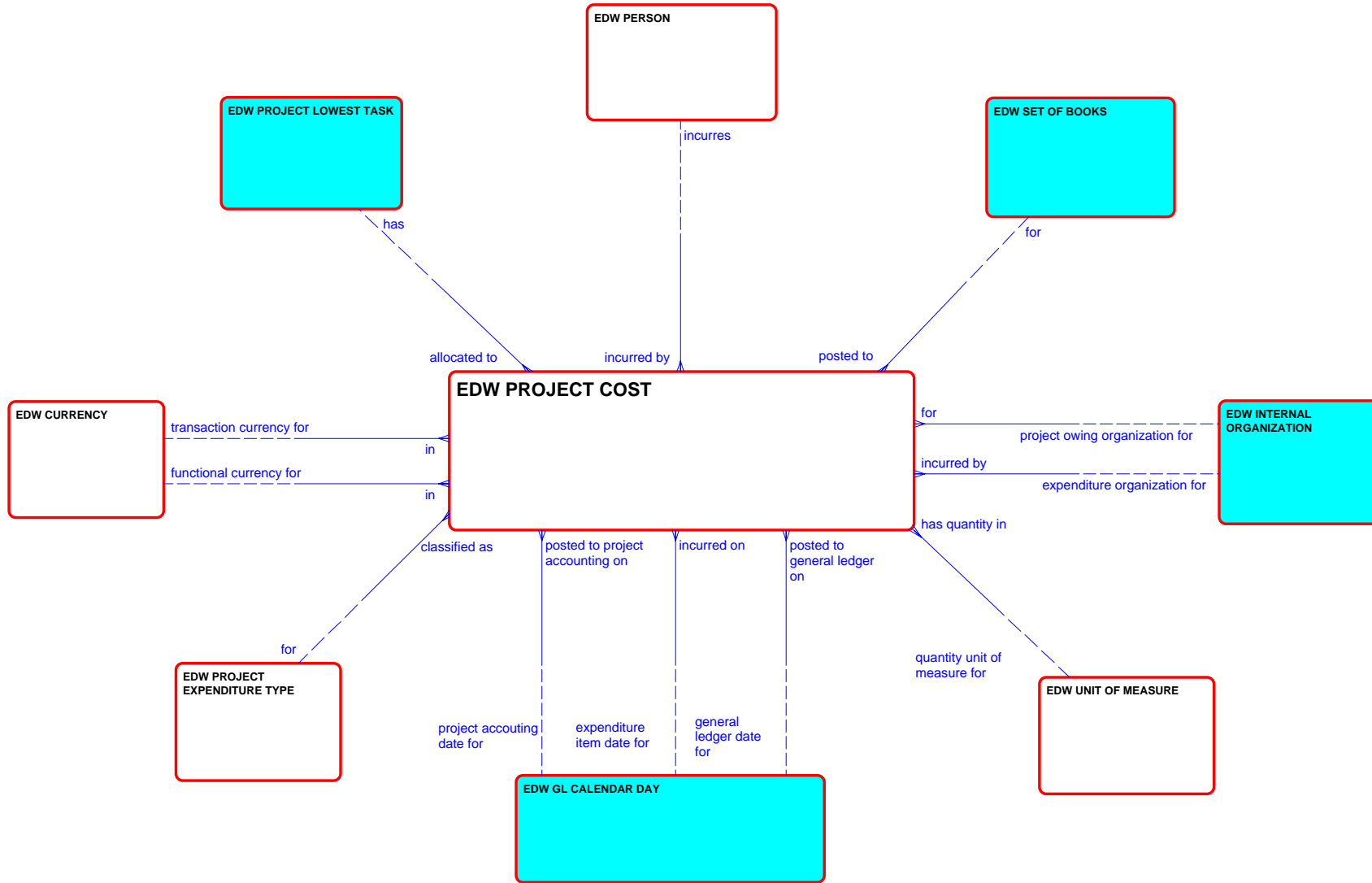
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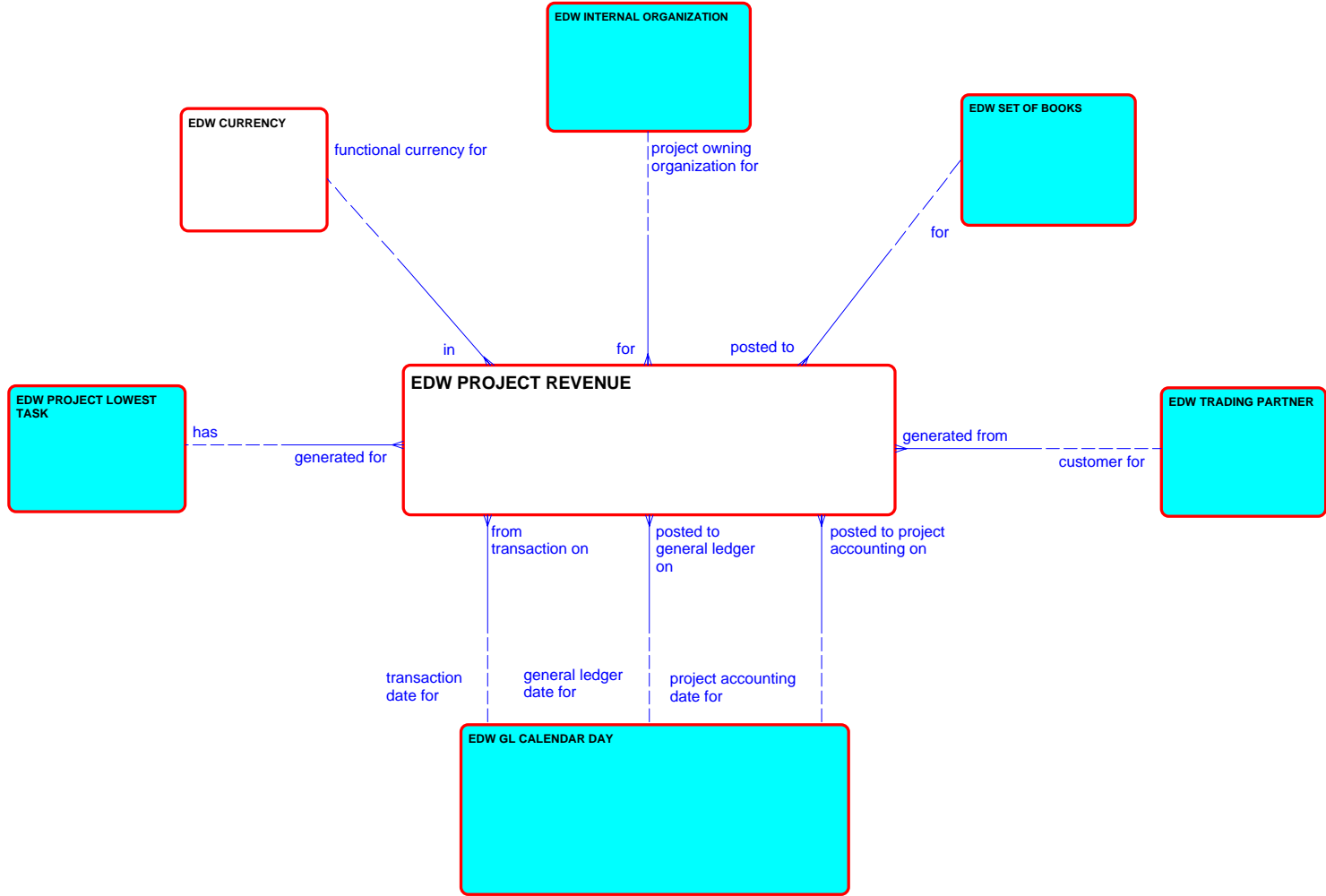
Oracle Business Intelligence System - Release 11i
Enterprise Data Warehouse
Projects Intelligence - Project Budget



Oracle Business Intelligence System - Release 11i
 Enterprise Data Warehouse
 Projects Intelligence - Project Cost



Oracle Business Intelligence System - Release 11i
Enterprise Data Warehouse
Projects Intelligence - Project Revenue

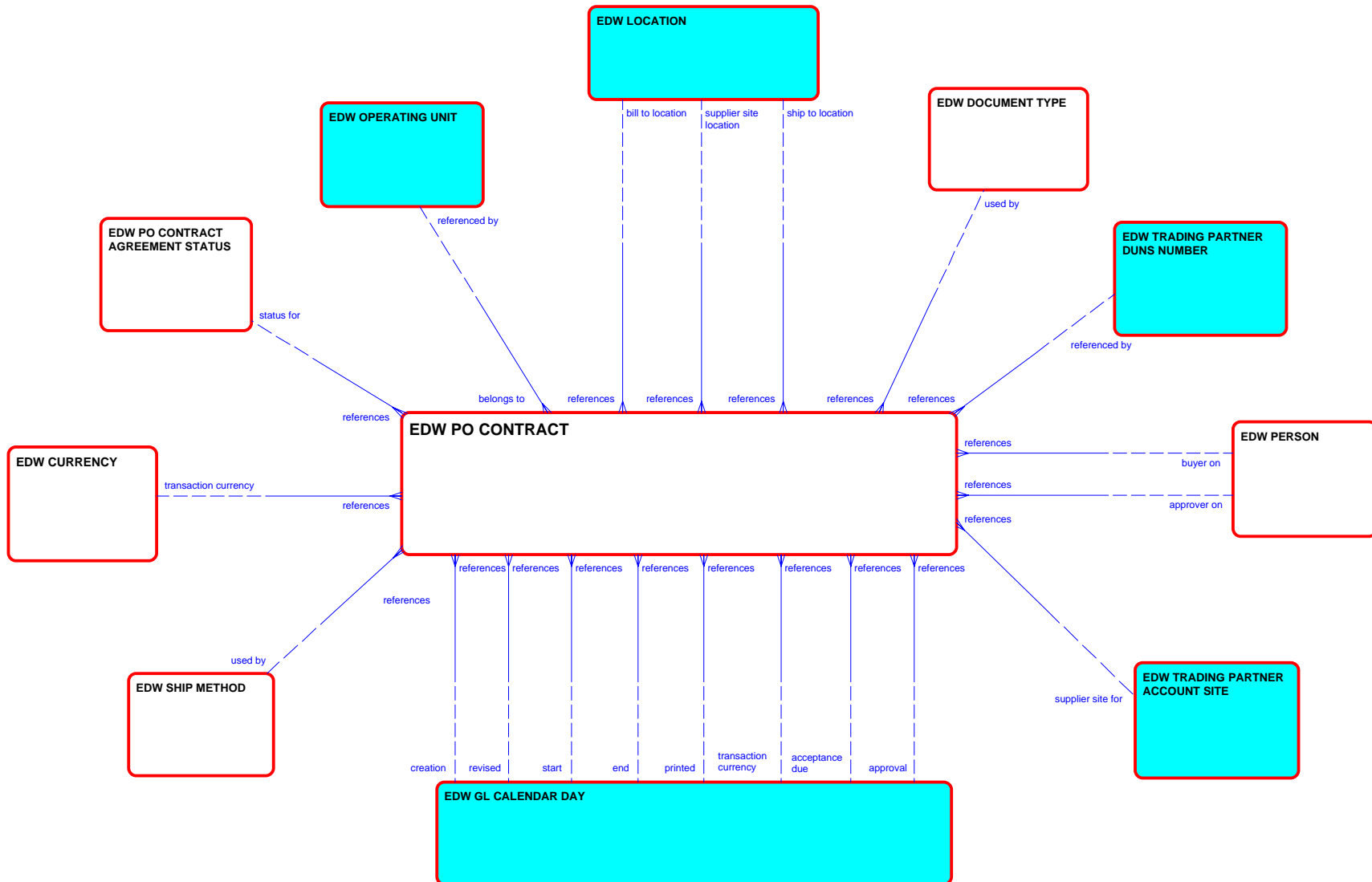


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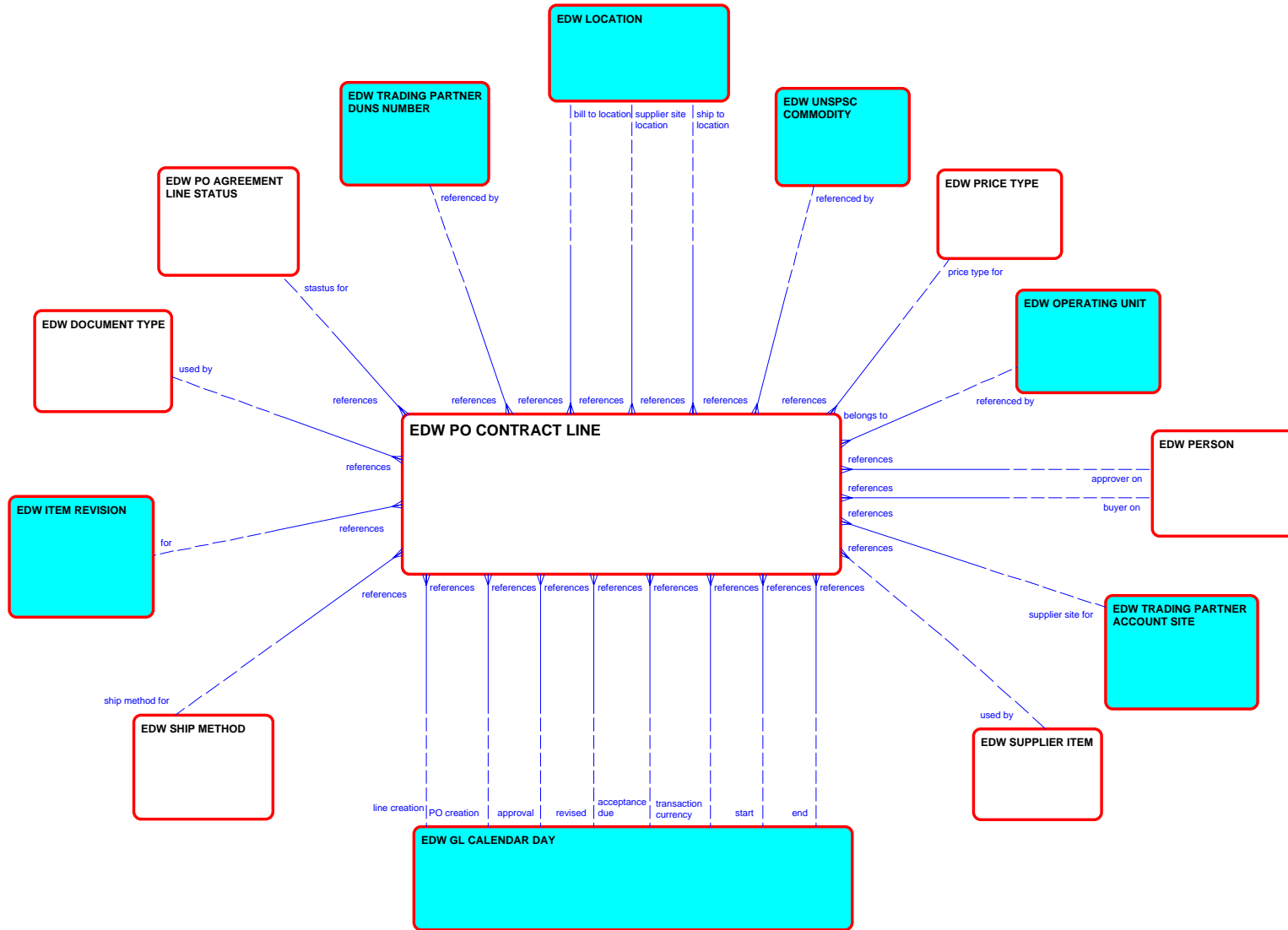
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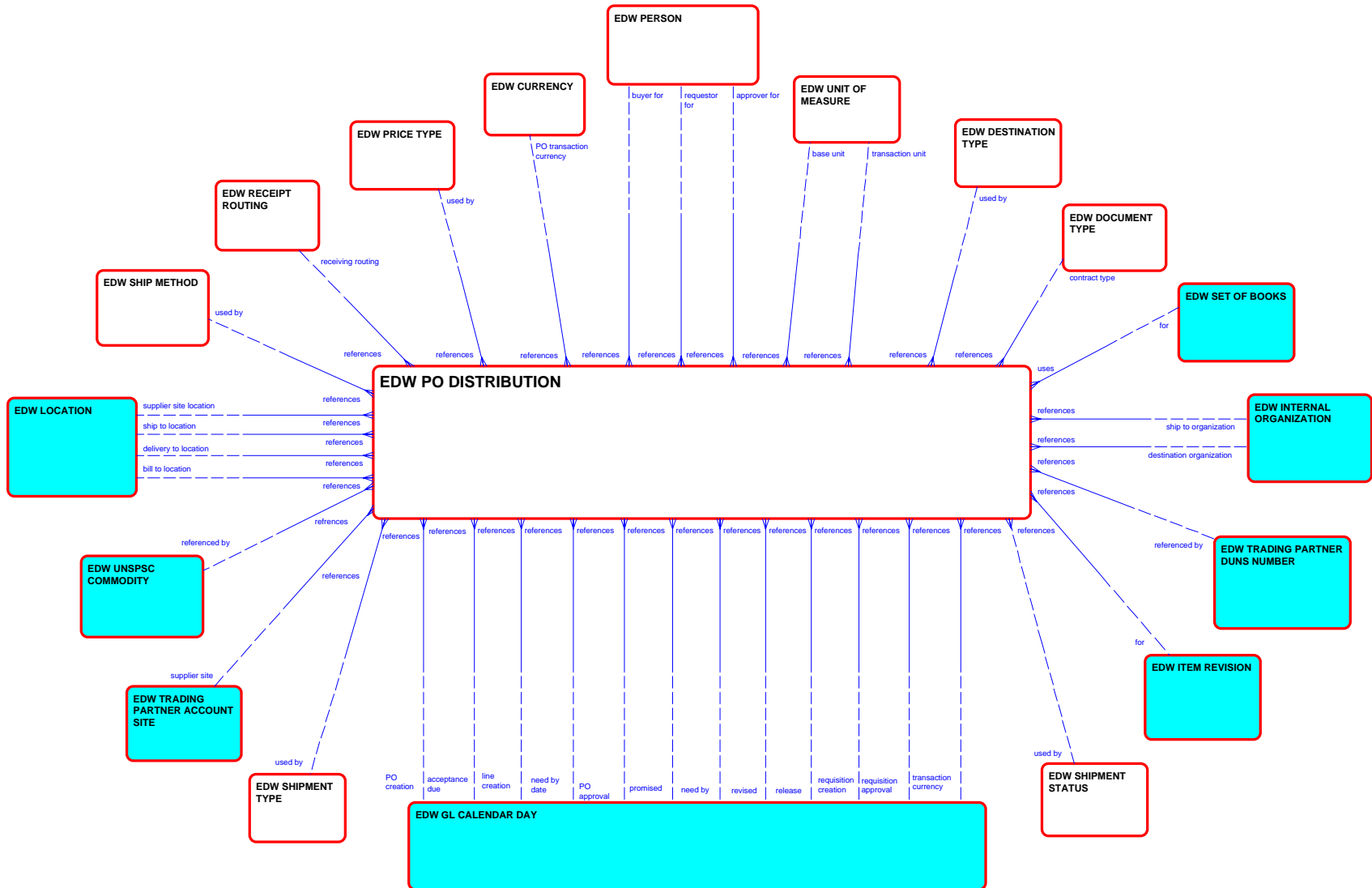
Oracle Business Intelligence System - Release 11i
Enterprise Data Warehouse
Purchasing Intelligence - PO Contract



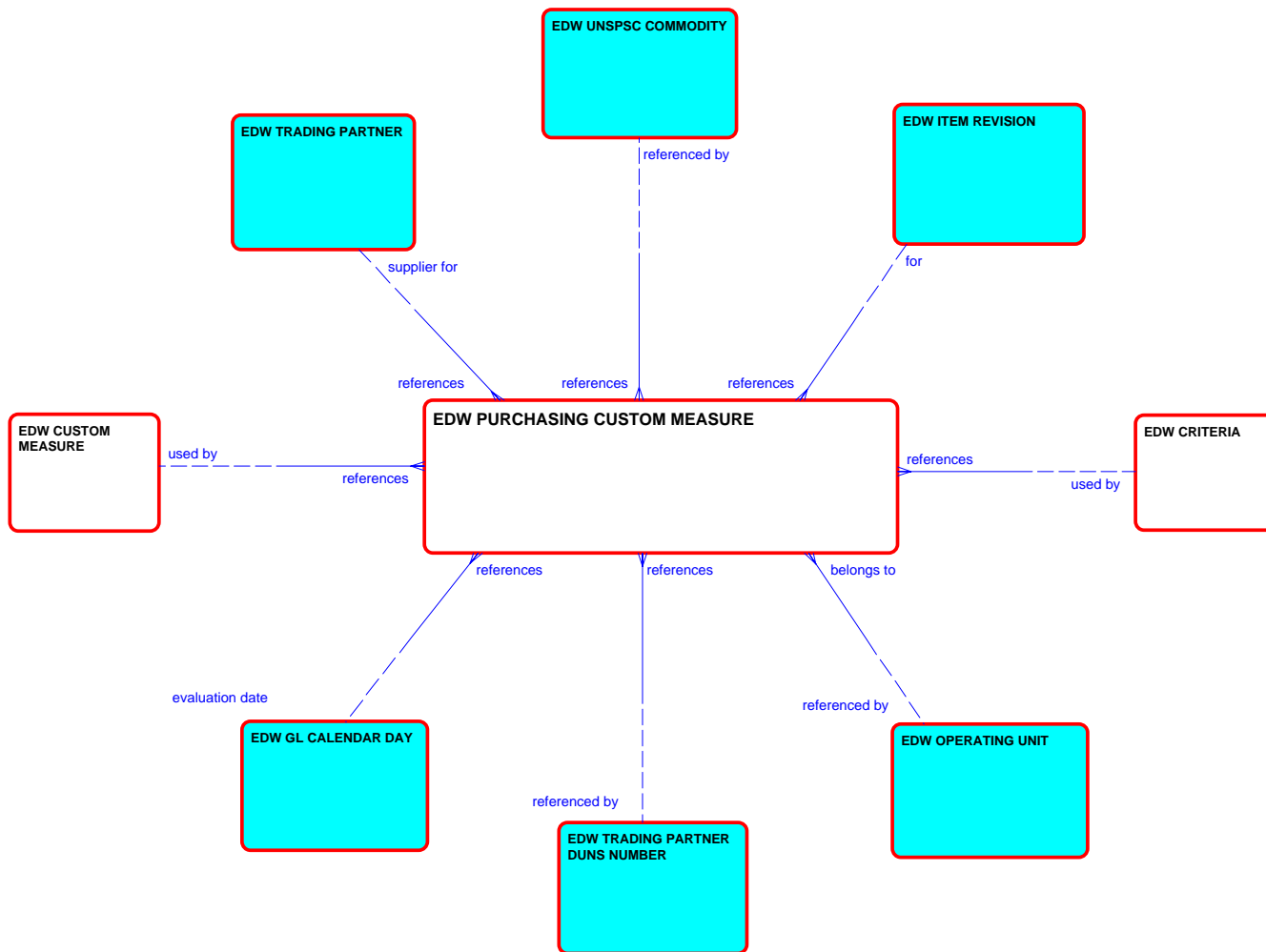
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Enterprise Data Warehouse
Purchasing Intelligence - PO Contract Line**



Oracle Business Intelligence System - Release 11i
Enterprise Data Warehouse
Purchasing Intelligence - PO Distribution

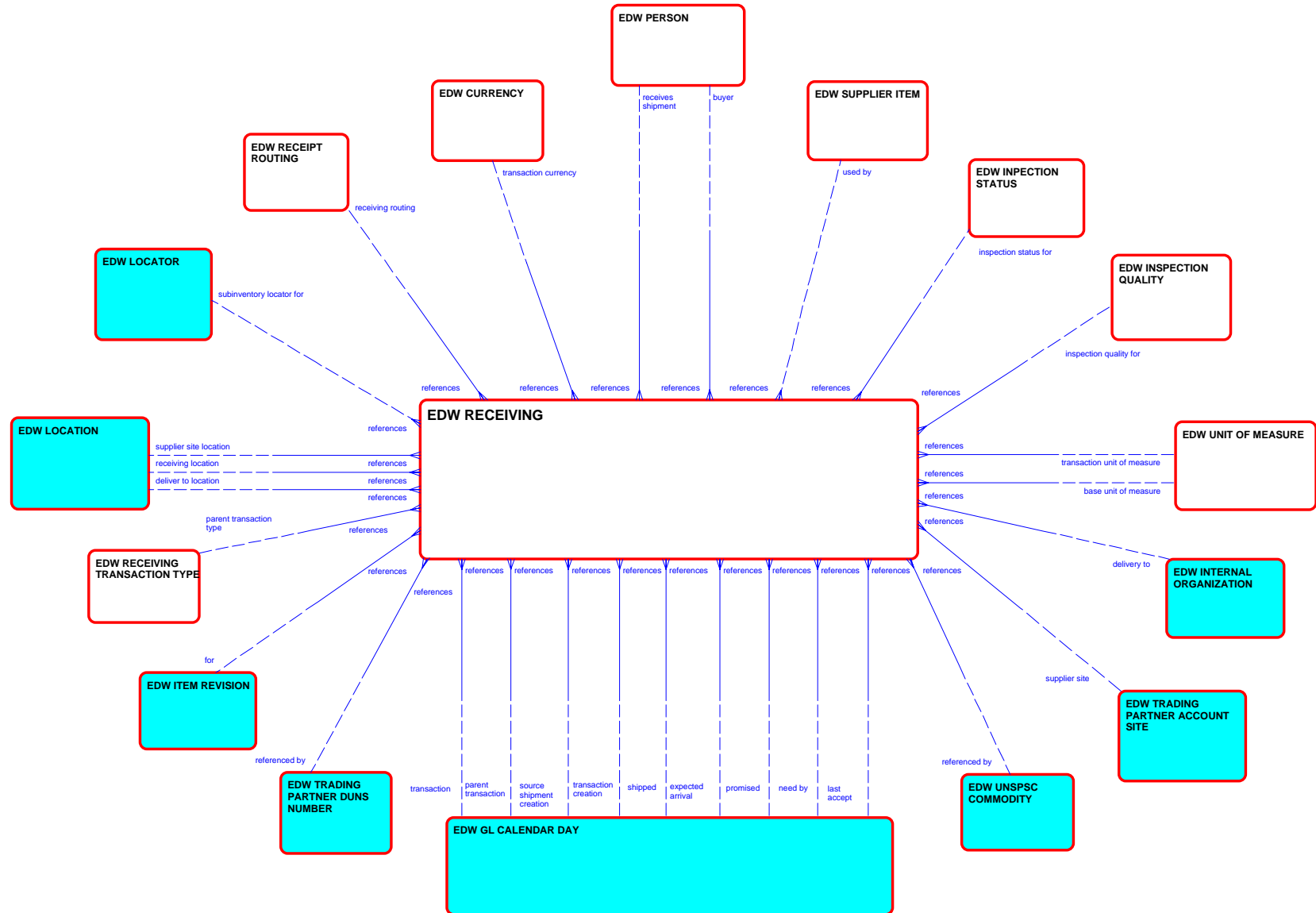


Oracle Business Intelligence System - Release 11i
Enterprise Data Warehouse
Purchasing Intelligence - Purchasing Custom Measure

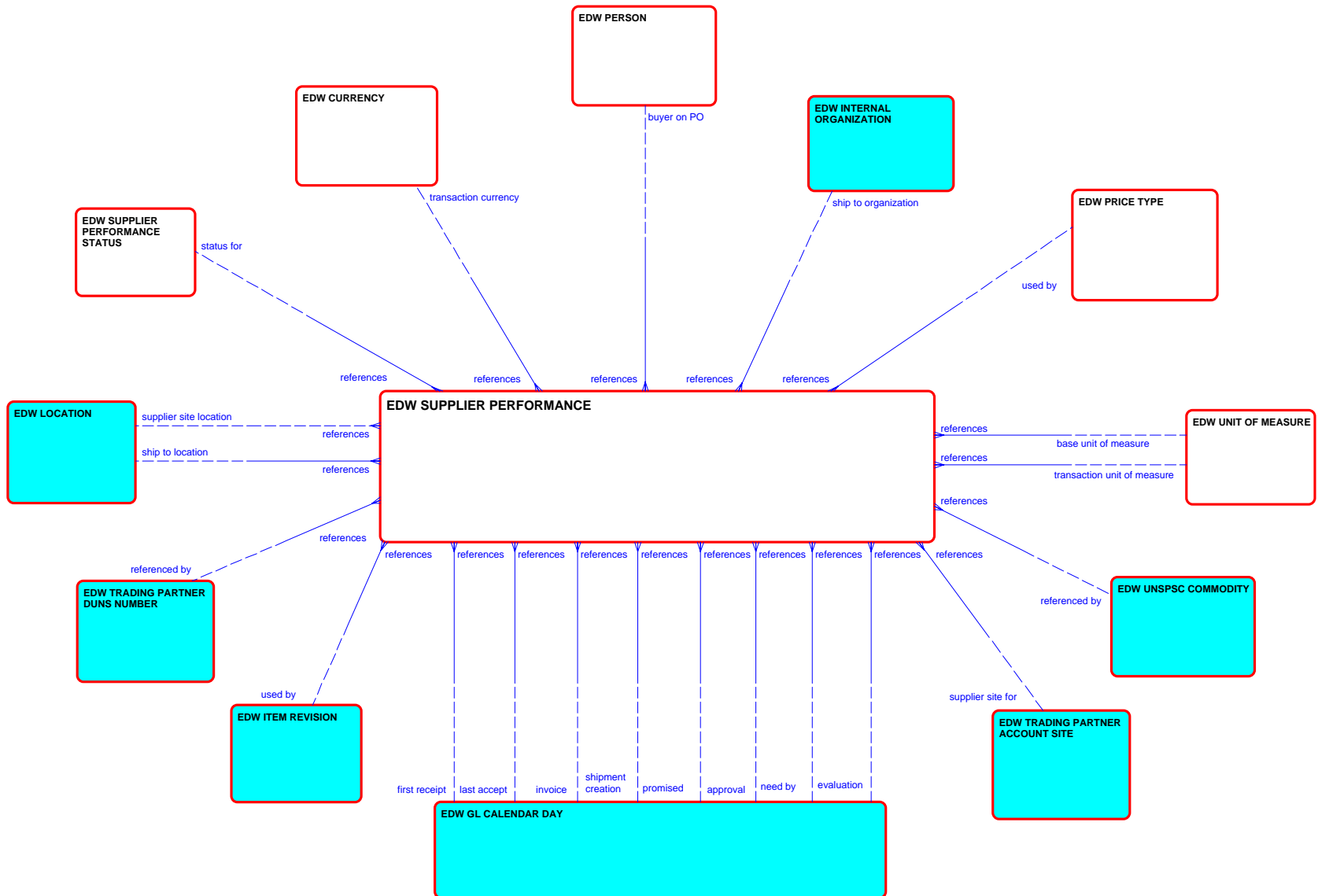


Oracle Business Intelligence System - Release 11i

Enterprise Data Warehouse Purchasing Intelligence - Receiving



Oracle Business Intelligence System - Release 11i Enterprise Data Warehouse Purchasing Intelligence- Supplier Performance

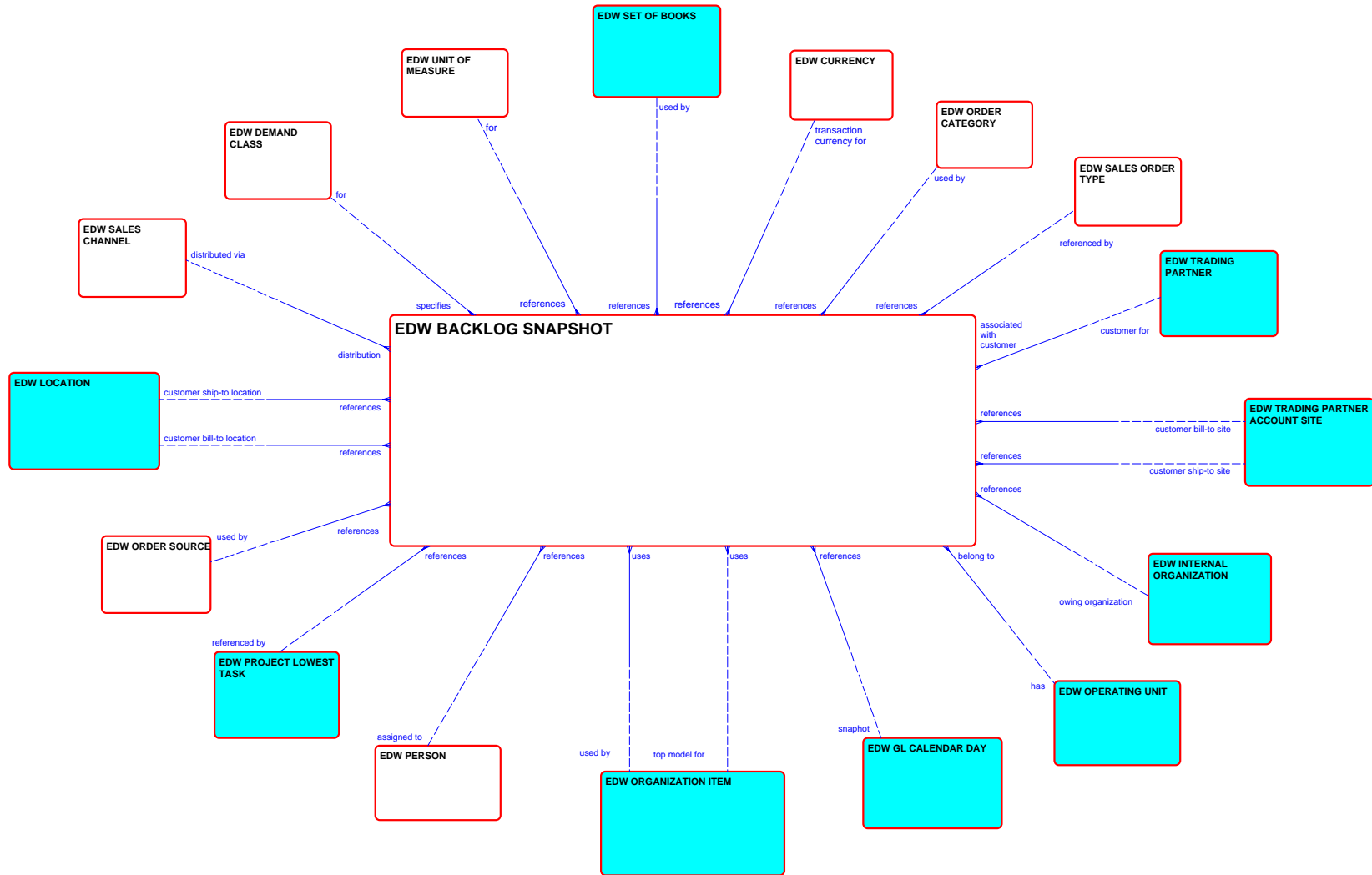


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Supply Chain Intelligence - Backlog Snapshot**



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Enterprise Data Warehouse
Supply Chain Intelligence - Booking

