

Oracle Enterprise Metadata Management



Oracle Enterprise Metadata Management brings powerful business capabilities to the modern enterprise to harvest and govern metadata across its whole Data Management technologies. By being able to provide data transparency not only within Oracle but also 3rd party technology, Oracle Enterprise Metadata Management is a must have technology for any organization looking to seriously tackle Governance, Productivity Improvement and Lifecycle Management challenges.

KEY FEATURES

- Metadata harvesting and support from Oracle and 3rd party data management, Data Integration, Data Warehouse and Business Intelligence Technologies
- Metadata exploration capabilities including model diagram visualization, birds-eye-view and full metadata reporting
- Data flow and lineage analyzer capabilities
- Versioning and model compare capability
- Annotations and Tagging
- Business Glossary and Semantic Lineage capabilities

KEY BENEFITS

- Increases trust and confidence in information stored
- Provides Lifecycle Change Management through enterprise Architecture Management
- Improves Data Governance and Data Standardization through Metadata Standards support
- Provides Stewardship Collaboration through increased collaboration and social networking capabilities
- Ensures Data Compliance through model versioning, comparisons and reporting

Oracle Enterprise Metadata Management

Metadata Management is essential to solve a wide variety of critical business and technical challenges. They include but are not limited to how report figures are calculated, understanding the impact of changes to data upstream, and surfacing data lineage reports in a business friendly way in the browser and providing reporting capabilities on the entire metadata of an enterprise for analysis and improvement. Oracle Enterprise Metadata Management is built to solve all these pressing needs for customers in a light and browser based interface.

The key features of Oracle Enterprise Metadata Management include

- Report to Source Lineage
- Impact Analysis
- Model Versioning
- Annotations and Tagging
- Supports Metadata Standards
- Build and maintain Business Glossary
- Import 3rd party Business Intelligence Metadata
- Import 3rd party ETL Metadata
- Import 3rd party Database Metadata
- Big Data Enabled

Reducing Risk and Increasing Trust in Data

Oracle Enterprise Metadata Management reduces the risk inherent in making any changes to the data in the organization, be it from the source to the final report. Where many business applications and decision systems rely on the

same set of data, it is important to be able to authoritatively determine the impact that a change can affect to upstream and downstream applications. By providing in depth, easy to read and interpret lineage reports, Oracle Enterprise Metadata Management reduces these risks by identifying affected components. Combined with the use of the business glossary and transparency that Oracle Enterprise Metadata Management provides, trust in data within the organization is increased.

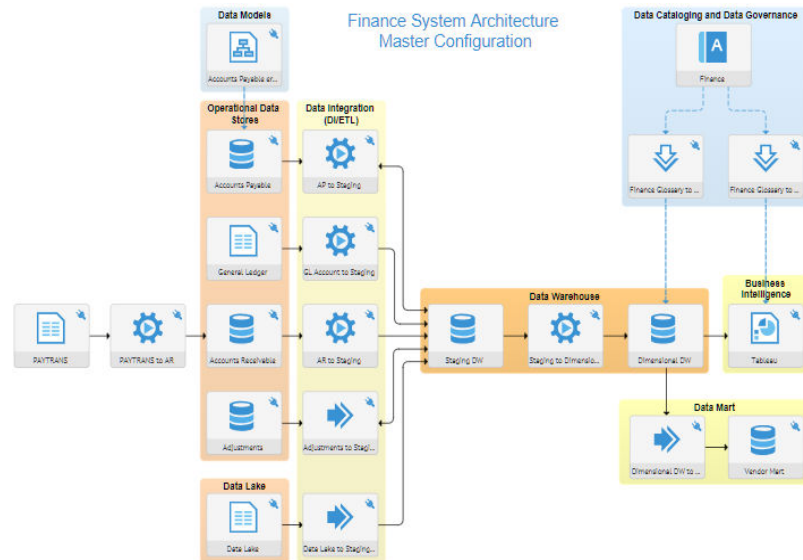


Fig 1. High level view of data flows between models and semantic flow between Business Glossary and physical models

Data Governance and Stewardship Collaboration

Oracle Enterprise Metadata Management includes features that help in the governance process with a focus on collaboration. In addition to annotations and tagging, the product incorporates feedback comments and review boards, metadata tagging with labels, multimedia attachments (documents, videos, presentation, code) and linking URLs for e-mail, blogging and social networking. All the features are encased in a business friendly user interface enhanced by features including a search driven metadata catalog.

The screenshot shows the Oracle Enterprise Metadata Management 12c interface. The search results are displayed in a table with columns for User Tags, Name, Object Type, and Context. The search term is 'Purch'. The results include various metadata objects such as Purchase Order Date Time Dimension ID, Purchase Order Number, Purchase Order Line Item Number, Purchase Order Description, Purchase Order Amount, and Purchase Order. The interface also shows filters and a search bar.

User Tags	Name	Object Type	Context
	Purchase Order Date Time Dimension ID	Measure	MHTutorial2 > PO
	Purchase Order Number	Dimension	MHTutorial > PO V
	Purchase Order Line Item Number	Dimension	MHTutorial > PO V
	Purchase Order Description	Dimension	MHTutorial > PO V
	Purchase Order Date Time Dimension ID	Measure	MHTutorial > PO V
	Purchase Order Amount	Measure	MHTutorial > PO V
	Purchase Order Date Time Dimension ID	Measure	MHTutorial3 > PO V
	XPKPurchaseOrder	Index	Accounts Payable
	XIFPurchaseOrder	Index	Accounts Payable
	PurchaseOrder	Table	Accounts Payable
	PurchaseOrderNumber	View Column	Staging DW > dbo
	PurchaseOrderLineItemNumber	View Column	Staging DW > dbo
	PurchaseOrderDate	View Column	Staging DW > dbo > POLineItemView
	PurchaseOrderNumber	Column	Staging DW > dbo > VendorInvoice
	PurchaseOrderNumber	Column	Staging DW > dbo > ShippingAddress
	PurchaseOrderNumber	Column	Staging DW > dbo > PurchaseOrder
	PurchaseOrderDescription	Column	Staging DW > dbo > PurchaseOrder
	PurchaseOrderDate	Column	Staging DW > dbo > PurchaseOrder
	PurchaseOrderAmount	Column	Staging DW > dbo > PurchaseOrder
	PurchaseOrder	Table	Staging DW > dbo
	PurchaseOrderNumber	Column	Staging DW > dbo > POLineItem

Fig 2: Search driven metadata catalog ensures business friendliness

Improving Data Standardization and Compliance

To govern and analyze data it is important to understand both data and metadata within the enterprise. Oracle Enterprise Metadata Management offers support to a variety of metadata standards by harvesting them from various Oracle and 3rd party technologies. It also supports annotations and tagging of metadata for better support and context of the harvested metadata, along with building and maintaining a Business Glossary which can be used for semantic lineage analysis. Versioning of various captured metadata models can then be compared for compliance and performance optimizations.

Exploring Metadata and Lifecycle Change Management

Text Search features and a metadata browser increases the user's ability to easily explore metadata captured within Oracle Enterprise Metadata Management. This gives easy access to model diagrams, metadata reporting and Birds-eye-view reports. Metadata harvesting from Big Data/Hadoop technologies, Business Intelligence Tooling, ETL technologies, Data Warehouses and Databases allows for easier Lifecycle Change Management. Impact analysis and lineage tracing are further enhanced because all metadata is now available in a single repository across technologies.

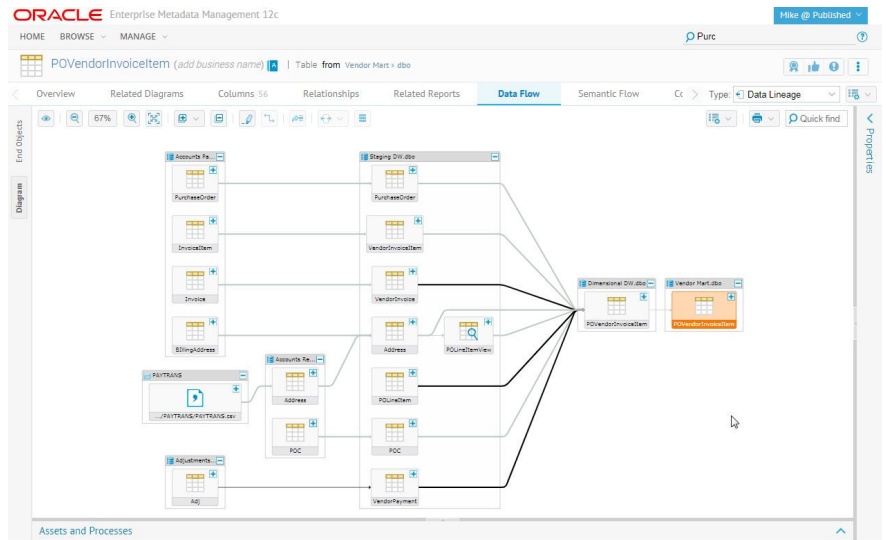






Fig 3: A data lineage graph across BI and Data Warehouse environments

CONTACT US

For more information about Oracle Enterprise Metadata Management, visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.



CONNECT WITH US

-  blogs.oracle.com/oracle
-  facebook.com/oracle
-  twitter.com/oracle
-  oracle.com

Hardware and Software, Engineered to Work Together

Copyright © 2018, Oracle and/or its affiliates. All rights reserved. This document is provided for information purposes only, and the contents hereof are subject to change without notice. This document is not warranted to be error-free, nor subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document, and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group. 8