Oracle Enterprise Data Management Cloud

Master data. Reference data. Dimensions. Hierarchies. Mappings. Application Metadata.

ORACLE®

ENTERPRISE PERFORMANCE MANAGEMENT SYSTEM

KEY BUSINESS BENEFITS

Utilize Enterprise Data Management Cloud to:

• Collaborate upon, plan, approve, and execute structural change management programs that drive both transformational and on-going routine change initiatives.

• Model, synthesize and deploy business transformations across front-office, back-office, and performance management applications

• Facilitate trustworthy analytics with fully conformed dimensions and mappings

• Drive business model changes through chart of accounts redesign and group-division account maps

Do you struggle with managing change in your enterprise? Do you operate in a faced-paced business environment? Do you have the people, policies, processes and tools in place to align your strategic priorities with execution? Does your strategic charter involve one or more of the following: (a) Rapid growth by acquisition? Business realignment with changing customer preferences? (b) New business models? Structural redesign of your business and financials? (c) A cloud first strategy? Hybrid coexistence of assets on premise and in the cloud? If so, it is imperative that you invest in a next generation data management application that helps stay ahead of routine and transformational changes by helping you collaboratively model, synthesize and deploy business, financial and digital transformations across the enterprise while ensuring on-going maintenance across a full spectrum of change management patterns ranging from application-specific, self-service data management to cross-application, request-driven visual change management. Invest in an adaptive data management platform that supports a range of patterns from secure, right-grain dimension sharing and data mapping to full-blown, multi-domain master data management.

Enterprise Data Defined

When one makes a purchase of any kind, we refer to it as a business transaction. By definition, it implies a supplier and a customer to come together to fulfill a need. Most retail transactions are accompanied by a receipt. That receipt contains details about the products or services purchased, the store location, you the buyer, your payment terms, the transaction date, and so on. When such point of sale transactions are booked in the general ledger, they are posted to revenue accounts. Costs associated with creating and fulfilling demand are recorded in expense accounts. Cost centers record expenses of companies and organizations within the company that supported this transaction. Products and market segments are rolled up based upon business taxonomies that make most sense to you as business owners to record and report business performance. All these data elements that describe and structurally inform the business transaction represent enterprise data and may be managed using Oracle Enterprise Data Management Cloud. In summary, enterprise data includes master data, reference data, relationships, dimensions, hierarchies, mappings and application metadata.

Collate Enterprise Data from Contributing Applications

- **Application Adapters:** Use either dedicated application adapters for Oracle Cloud applications or a custom application adapter to connect with business applications. Register applications via simple question and answer wizards. Generate metadata to instantiate application-specific perspectives. Import from or export to connected applications.

- **Import into Viewpoint:** Import lists or hierarchies from contributing applications. Load dirty data without having to validate on entry.

- **Validate Viewpoint:** Validate entire viewpoints at your own pace to improve the quality of data within an application or domain. Generate requests to submit changes and record them for audit purposes.

- **REST API:** Utilize available full-featured, granular, RESTful interfaces to automate and integrate this service within the enterprise service-oriented data fabric.

Curate Changes to Enterprise Data Elements

- **Request:** Use requests to create new, or change existing, enterprise data, relationships, and attributes.

- **Validate:** Validate system checks and application-specific validations during request curation.

- **Visualize:** Model and visualize each request item and associated actions against the target structure(s) to understand change impact and priority.

- **Submit:** Submit new items and apply changes to existing ones together via a single atomic request to ensure consistent submission and commitment against target viewpoints.

Applications & Masters: Elastic Data Rationalization Approach

Unlike traditional data management solutions, Oracle Enterprise Data Management Cloud instantiates connected applications to support dedicated, self-service, and fully integrated business perspectives to support application data management via a single pane of glass. Moreover, administrators can configure highly tailored, fit-for-purpose business perspectives to facilitate cross-application, change management experiences to align changes within a given business domain. While traditional MDM solutions rely on big-bang approaches with the need to corral resources across business functions, the new cloud service supports more informal alternatives. For example, one can invite owners of other applications to share entire dimensions or subsets thereof with one's own application to enable peer-to-peer application dimension sharing. Such crowdsourcing approaches enables quick and early wins, while paving the way for broader information sharing initiatives. As the program matures, one can construct one or more masters of varying scope – cross-application, divisional or regional – and evolve them organically into a full-blown master data management program by constructing a master of masters. This elastic approach to data rationalization eliminates the need for enterprises to invest in elaborate, risky data management initiatives and allows lines of business and individuals to collaborate and share early and often.

Request-Driven Change Management & Data Visualization

Unlike other data management solutions, Oracle Enterprise Data Management Cloud takes a novel approach to enabling change management. End users make all changes within the security of a request. Every change is recorded in the form of a request item and associated actions. Each action is decorated against the target structure to help you visualize its impact. System checks and application-specific validations are highlighted in real-time during request authoring. Property validation errors are highlighted, and wherever possible, a selection of valid values is offered to hospital them. End users may back out proposed changes, or commit them. Upon committing a request, all request items and actions are available as part of a request audit experience that retains granular detail of who made what change when and where for compliance peace-of-mind.
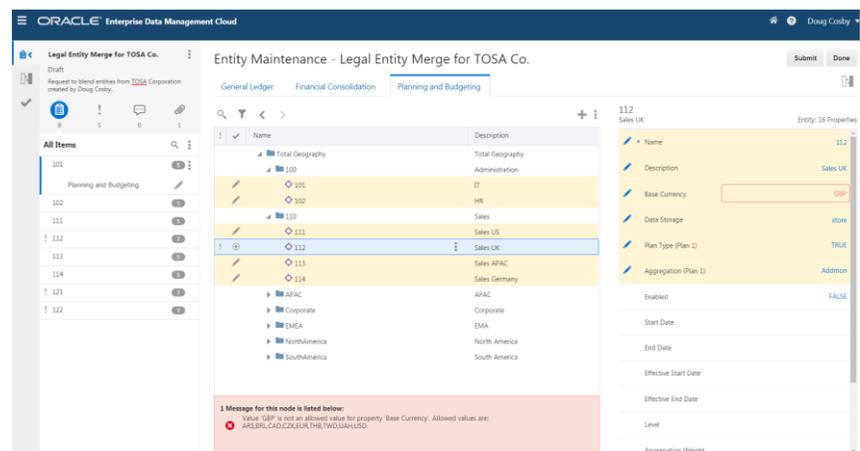

Figure 1. Request Authoring Experience in Oracle Enterprise Data Management Cloud.

Conform Changes Across Different Business Perspectives

- **Validation:** Run validations in real time during request submission or run validations across entire viewpoints prior to exporting to consuming applications.
- **Compare:** Compare alternate hierarchies within an application or business perspectives across applications to understand differences.
- **Rationalize:** Drag-n-drop distinct records from source to target viewpoints within and across applications to harmonize alternate hierarchies or rationalize specific domains across multiple registered applications. Auto-align associated properties based upon configuration. Ensure that descendants of rollup points are harmonized automatically among alternate hierarchies.

Consume Changes Among Downstream Business Applications

- **Export:** Export dimensions and mappings to consuming applications. Integrate with one or more connections for registered applications or download to file for consumption in target applications.
- **Download:** Download any viewpoint to a desktop file for collaboration and sharing purposes or to conduct offline maintenance. Reload via the request experience to perform mass updates.
- **Automate:** Use EPM Automate Utility to script automated integrations with consuming applications via a full-featured REST API.
- **Audit:** Review detailed change histories by browsing audit trails for completed requests.

Application Adapters: Packaged Integrations & Open Interface

Oracle Enterprise Data Management Cloud introduces the notion of an application adapter. This feature is foundational to connecting with, interpreting the metadata for, and communicating changes with a connected business application. Two types of adapters are available: custom or tailored. Tailored application adapters are intended to deliver packaged integration, while the custom adapter is intended to integrate with any application, on premise or in the cloud, Oracle or non-Oracle. Example tailored application adapters include the Oracle Planning and Budgeting Cloud. Such adapters demonstrate awareness of the connected application, come bundled with specific properties, application metadata and application-specific validations to establish high quality connections with the connected application. Application administrators may use registration wizards to answer a set of questions to establish a connection, ingest application-specific metadata, and instantiate an application-specific view with which one can synchronize data imports and exports. Separate perspectives called viewpoints are created within each application view to give end users window into each dimension such as account, product, entity, cost center, et al. One may maintain enterprise data elements, their attributes, relationships, associations, usage within related application objects such as plan types, and synchronize changes to enterprise data, e.g., dimensions, data mappings, back to the external application. Connected applications are integrated seamlessly via web services based upon RESTful interfaces. Other applications are integrated via a flat file interface.
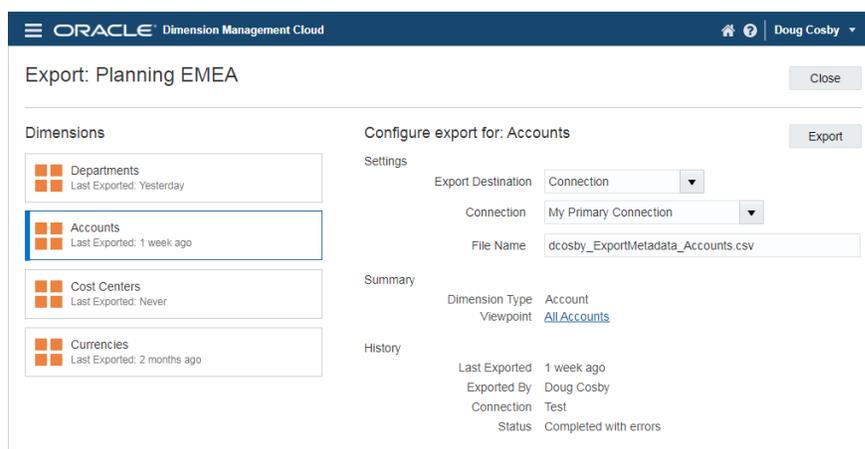

Figure 2. Application Adapters in Oracle Enterprise Data Management Cloud.

Tools of the trade: Request, Validate, Compare

The Request experience embeds data quality directly within the change management experience by enabling real-time system checks, duplicate prevention, control for shared node insertion, and application specific validations. While the request experience allows end users to create change requests either interactively or by loading items from file, tools such as validate and compare tools provide a workbench experience for data stewards to perform analysis and generate new items for remediation purposes. During application onboarding or during on-going change management, stewards can validate entire viewpoints and work through lists of issues.

As data stewards correct errors, request items are recorded, visualized and available for them to commit. Similarly, data stewards may also run comparisons between alternate hierarchies or lists and hierarchies to identify node differences. Differences can be generated across entire structures or for bottom-level records alone. Users can locate similar records across different viewpoints, and visually inspect any property differences. They can record items for remediation within requests either by editing properties in a viewpoint or by simply dragging and dropping records across viewpoints to rationalize them. Node type converters transform records as they cross application boundaries to add qualifiers (e.g., pre-fixes), and copy attribution based upon pre-defined property maps across application-specific node types. Several business scenarios are enabled via this conformance and rationalization process, including dimension conformance to power trustworthy analytics, data rationalization to harmonize across applications, and data transformations across transactional and analytical applications. End users may use the comparison process to build data maps as well. Once both dimensions and mappings are prepared, they are ready for consumption.
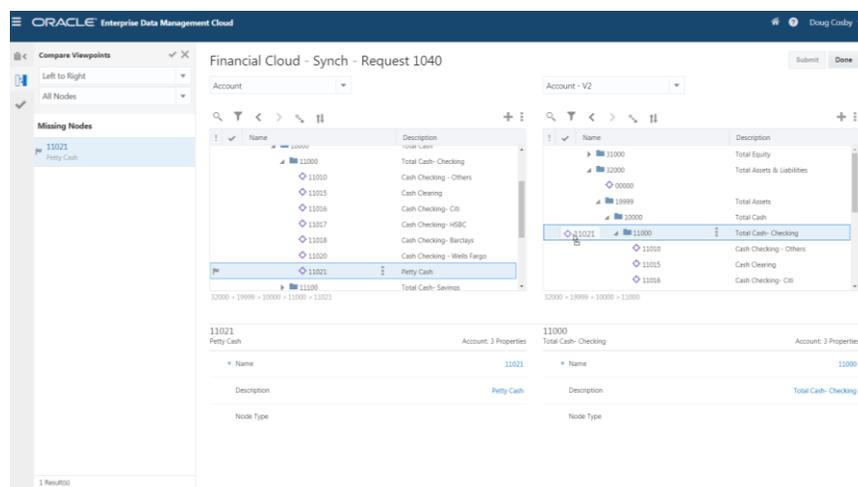

Figure 3. Compare alternate viewpoints for differences. Drag-and-drop to rationalize.

Consume application specific changes downstream

Consumption of enterprise data can take many forms. Administrators may configure viewpoints to enable read-only browse experiences for casual business users. Entire viewpoints may be downloaded to an Excel spreadsheet. This can be used, either for offline request generation or to share information within workgroups via email. Changes can be uploaded to the same viewpoint, e.g., mass updates, or be repurposed to share data across viewpoints (e.g., to power plan with production as a starting point). Further, stewards can synchronize registered applications by exporting dimensions and or data maps on-demand. The same process can be automated using scripts that may be run using the EPM Automate utility. Lastly, read-only access may also be provisioned to auditors so they may browse enterprise data, inspect request histories, and learn about all changes applied to production.

ORACLE ENTERPRISE PERFORMANCE MANAGEMENT APPLICATIONS

Oracle's EPM Cloud and on-premises applications provide market-leading functionality with fast time to value, simplicity of configuration and pre-built content for deeper integration and easy extensibility.

RELATED EPM CLOUD SERVICES
• Planning and Budgeting Cloud
• Enterprise Planning and Budgeting Cloud
• Financial Consolidation & Close Cloud
• Profitability and Cost Management Cloud
• Account Reconciliation Cloud

OTHER RELATED PRODUCTS
• Oracle Fusion Financials Cloud
• Oracle Fusion HCM Cloud
• Oracle Fusion CX Cloud
• Oracle Enterprise Performance Management Applications (on premises)

Summary

In closing, every enterprise that wishes to stay ahead of structural changes, align changes across applications while maintaining application-specific context, model and redesign business structures to accelerate transformation at lower risk, and pave a faster path to cloud while extending their multi-cloud environments to support hybrid deployment should take a closer look at Oracle Enterprise Data Management Cloud.