



**November 18, 2022**

## Announcing Oracle E-Business Suite 12.2.12, the EBS Enterprise Command Centers – November 2022 Update, and Other 2022 Innovations

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We are pleased to announce that Oracle E-Business Suite 12.2.12 and the EBS Enterprise Command Centers – November 2022 Update are now available, the latest and largest of several EBS release updates delivered in 2022.

Earlier this year, we delivered the EBS Enterprise Command Centers – April 2022 Update as well as three EBS Cloud Manager Updates: 22.1.1 (March 2022), 22.2.1 (September 2022), and 22.2.1.1 (October 2022).

The continuing pattern of new releases reflects our strategy of [continuous innovation](#) for Oracle E-Business Suite 12.2, which provides ongoing applications and technology updates without a major upgrade, along with Oracle Premier Support for Oracle E-Business Suite 12.2 until at least 2033.

Cliff Godwin presents highlights of EBS 12.2.12, the EBS Enterprise Command Center – November 2022 Update, and earlier 2022 innovations in his “Oracle E-Business Suite: Innovations in 2022” [video](#). The following sections share some of the highlights.

### **EBS Enterprise Command Center Updates**

Enterprise Command Centers (ECC), introduced in October 2018, continue to be a focus for E-Business Suite investment. As of November 2022, there are 34 Enterprise Command Centers with more than 135 dashboards across these E-Business Suite product areas:

- **Financial Management:** General Ledger, Receivables, iReceivables, Payables, Assets, Lease Contracts (Financials), Lease and Finance Management

- **Order Management and Logistics:** Order Management, Inventory Management, Advanced Pricing, iStore, Landed Cost Management, Channel Revenue Management, Incentive Compensation
- **Asset Lifecycle and Service:** Enterprise Asset Management, Asset Tracking, Service Contracts, Service (TeleService), Field Service, Depot Repair
- **Procurement and Projects:** iProcurement, Procurement, Projects, Project Procurement, Contract Lifecycle Management for Public Sector
- **Manufacturing:** Bills of Material, Discrete Manufacturing, Process Manufacturing, Outsourced Manufacturing, Project Manufacturing, Cost Management, Quality
- **Human Capital Management:** Human Resources, Payroll

ECC updates in April 2022 and November 2022 expanded functional scope with new command centers, new dashboards, and updates to existing dashboards, including:

- **2 New Command Centers**
  - General Ledger Command Center (November 2022)
  - Bills of Materials Command Center (April 2022)
- **6 New Dashboards in Existing Command Centers**
  - Cost Management: Margin Analysis
  - Inventory: Physical Inventory
  - Order Management: Returns
  - Projects: Investment Turn
  - Lease & Finance Management: Cash Flow Management
  - Human Resources: Person Reporting Hierarchy
- **7 Track and Trace Dashboards**
  - Inventory: Inventory Track & Trace
  - Discrete Manufacturing: Genealogy & Trace
  - Process Manufacturing: Genealogy & Trace
  - Project Manufacturing: Track & Trace
  - Outsourced Manufacturing: Track & Trace
  - Quality: Quality Track & Trace
  - Service: Service History Diagram

We also enhanced the ECC framework used to develop and modify command centers:

- **ECC Framework Enhancements**
  - Network Diagram Enhancements, including Hierarchical View
  - Timeline Viewer and Timeline in Diagram
  - Pivot Tables, including Pivot Dynamic Behavior
  - Dynamic Date Buckets, Date Calculation, Relative Date Filters
  - Default Saved Search
  - Key Flexfield Support

- Inline Views

Increasingly, E-Business Suite users can start their sessions with command center dashboards that let them browse and drill on key indicators, charts and graphs and leverage consumer-like search and filters to quickly identify and act on their highest business priorities.

With command centers, E-Business Suite users have a better, more productive user experience, while the IT department has reduced demand for custom operational reports.

Enterprise Command Centers are easy to deploy, and are available at no additional cost to licensed users of the underlying E-Business Suite products. While you must be running E-Business Suite 12.2.4 or higher to deploy the command centers, you need not be running one of the latest 12.2.X release levels, such as 12.2.12, to uptake latest command center updates.

### **Customer-Voted Enhancements**

Since 2014, thousands of users have engaged with the [E-Business Suite Ideas Lab](#), a resource available in 47 EBS communities on My Oracle Support where customers can create and vote on enhancement ideas. Ideas that attract high customer vote totals help to drive E-Business Suite development priorities.

Many top-voted customer enhancements were made available in release updates throughout 2022.

### **Product Family Highlights**

Following are highlights of new and enhanced functionality delivered across the E-Business Suite product families in 2022.

- **General Ledger Command Center** [ECC November 2022 Update] – the new General Ledger Command Center, generally applicable to most E-Business Suite customers, helps you:
  - Gain insight into journal processing
  - Improve account analysis
  - Examine subledger details
  - Optimize and improve the accounting cycle

#### **Use Case #1: Investigate and Ensure Accuracy of Financial Records**

An accounting specialist reviews unposted revenue and expenses for a GL accounting period. They spot an unusually high employee expense line. Drilling down, they find the employee's meals expense is significantly higher than airfare or car rental expenses. Further drilldowns reveal that the employee incorrectly categorized a large expenditure for customer event catering as a personal expense instead of a marketing expense. With this discovery, the accounting specialist can correct the anomalous accounting.

#### **Use Case #2: Ensure Proper Accounting Treatment of an Expenditure**

An accounting specialist sees an unusually high equipment maintenance expense and drills in to find it was for the purchase of a new motor for a packaging machine. With this finding, the accounting specialist can consult the maintenance manager to ensure the correct accounting treatment. If the new motor was for repairing the machine, then the current accounting treatment is correct. If the new motor was for upgrading the machine (for example, to improve its performance or extend its life), then the expense should be capitalized and treated as an asset.

- **Property Manager: Lease Versions and Approval Workflow** [EBS 12.2.12] – this enhancement helps you understand the financial impact of proposed lease amendments before you approve them. For example, you can simulate the amortization schedule associated with a lease amendment before approving it. You can also use the Approval Management Engine (AME) to configure the approval workflow for lease amendments.
- **Projects/Procurement: G-Invoicing for US Federal Program Agencies** [EBS 12.2.10 – 12.2.12] – G-Invoicing is the long-term solution for Federal Program Agencies to manage their intragovernmental Buy/Sell transactions. Since 2020, we have been working with requesting and servicing agencies that run EBS to provide G-Invoicing support in both Projects and Procurement. During 2022, there was a large-scale adoption of G-Invoicing across the U.S. Federal Government.
- **Inventory Management Command Center** [ECC April 2022 & November 2022 Updates] – the Inventory Management Command Center helps users prioritize and expedite materials management activities.

In April 2022, we delivered track and trace improvements to help you coordinate daily activities, including:

- Optimizing outbound fulfillment
- Maintaining inventory accuracy
- Tracing material movement for root cause and problem analysis

In November 2022, we expanded capabilities for management of warehouse labor and physical inventory.

### **Use Case #1: Manage Future Orders to Optimize Outbound Fulfillment**

Using the Inventory Management: Shipping dashboard, a warehouse manager has visibility to remaining workload, including all sales orders, whether released for picking or not. This helps the manager determine, for example, if there is excess labor capacity

today. They then can review tomorrow's scheduled shipments and choose to release enough orders to ensure the workforce remains productive throughout the shift.

In some cases, such as export orders, it could be appropriate to pick ahead of the intended shipment date to allow time for preparing customs documents. In such a case, the manager could use new dashboard filtering capabilities to focus on international versus domestic shipping destinations, and then release those orders for picking.

A manager also can use the dashboard to balance labor capacity with existing workload. For instance, should a manager find that tomorrow's workload exceeds planned labor capacity, they can call in some overtime or temporary workers.

### **Use Case #2: Manage Tag Counts and Pending Reservations During Physical Inventory Process**

In November 2022, we added the Physical Inventory dashboard for better management of the physical inventory process. An inventory manager overseeing a physical inventory count can now easily track the number of tags counted and not yet counted to ensure the process is progressing as expected.

When there's a mismatch between the system quantity and the physical tag count – for example, an inventory shortfall – the dashboard tracks it as a discrepancy. Such a discrepancy might affect pending reservations, which then need to be adjusted before the system quantity adjustment can be approved.

Using a link on the dashboard, the manager finds all pending reservations impacted by the inventory shortfall and adjusts the reservation quantities to ensure that available inventory is optimally used – for example, inventory is reserved for orders with the nearest ship date.

After counting is complete and individual adjustments to inventory and reservations have been made, the manager can use the Reservations Dashboard to assess the cumulative impact of individual adjustments on overall reservations status to determine whether further optimization is needed.

- **Order Management Command Center** [ECC April 2022 Update] – the Order Management Command Center lets you accelerate order flow and take quick action on order exceptions. The April 2022 Update adds support for analyzing order returns. It lets you evaluate returns by time, return reason, customer, product, warehouse, and carrier. It also helps you identify trends and opportunities for improving the order returns process.
- **Order Management/Inventory: Returns for Internal Sales Orders (ISOs)** [EBS 12.2.11 – 12.2.12] – the management of internal sales orders (ISOs) is improved with a formal

process for returning materials to the organization that shipped them. The process includes visibility to in-transit materials.

- **Order Management/Inventory: Cancellations for Internal Sales Orders (ISOs)** [EBS 12.2.12] – enhancements to internal sales orders (ISOs) fulfillment and shipping allow in-process orders to be cancelled and materials to be received back into inventory.

To illustrate, suppose organization “A” buys goods from organization “B”, then finds that something goes wrong in the shipping process. For example: the wrong goods are shipped, the goods miss the boat, or the goods get stuck in customs. Organization “A” can preemptively cancel the ISO without waiting for the shipped goods to arrive. Organization “B” can receive the returned goods back into inventory, with correct accounting applied.

- **Inventory: Inter-Org Transfers of Consigned Materials** [EBS 12.2.12] – consigned materials are supplier owned materials stored at a customer facility. Ownership transfers from supplier to customer once the materials are consumed. Typical use cases include:
  - Distributors: for retail products they distribute
  - Manufacturers: for raw material and components used in the manufacturing process
  - Service Providers: for spare parts

New with 12.2.12 is the ability to transfer consigned materials between inventory organizations without taking ownership of the materials. For example, you can receive consigned tires into your distribution center, and then transfer the tires to an individual service station without taking ownership.

- **Order Management: Archive Sales Orders** [EBS 12.2.12] – functionality for purging closed or cancelled sales orders is enhanced with new capabilities, including:
  - Archive sales orders instead of directly purging them
  - Retrieve previously archived sales orders
  - Purge sales orders directly from archive
- **Cost Management Command Center** [ECC April 2022 Update] – the Cost Management Command Center, which helps cost management professionals manage timely period close, adds a Margin Analysis dashboard to enable analysis and optimization of product margins, sales revenue, and cost of goods sold for business activities managed with E-Business Suite.

- **Bills of Material Command Center [ECC April 2022 Update]** – the new Bills of Materials Command Center lets users efficiently manage product configurations and manufacturing change orders. With the bills of material (BOM) network diagram, you can visualize current and future product configurations before approving and implementing manufacturing changes.

You can inspect proposed component changes and their effectivity dates, and see “Item Where Used” as well as indented bills of material views. You can compare newly added, disabled, and changed components, and review BOM configurations for past bill revisions, alternate bills, and common bills for an assembly across organizations.

- **Process Manufacturing Command Center [ECC April 2022 Update]** – the Process Manufacturing Command Center helps you manage production operations and quality more efficiently. A new Genealogy & Trace dashboard lets you efficiently trace product genealogy for root cause and impact analysis of process manufacturing issues.
- **Outsourced Manufacturing Command Center [ECC April 2022 Update]** – the Outsourced Manufacturing Command Center, aimed at more efficient management of outsourcing business, adds a Track & Trace dashboard to help you proactively analyze and address outsourced manufacturing supply chain issues.
- **Quality Command Center [ECC April 2022 Update]** – the Quality Command Center helps you proactively manage product and asset quality to minimize business disruptions. It now provides a Track & Trace dashboard for root cause analysis of defects.
- **Project Manufacturing Command Center [ECC April 2022 & November 2022 Updates]** – the Project Manufacturing Command Center helps you efficiently manage project manufacturing and supply chain operations. A new Genealogy & Trace dashboard, delivered in April 2022, lets you proactively discover and address project supply chain issues with traceability and impact analysis. In November 2022, we enhanced the Genealogy & Trace dashboard with a timeline viewer.

#### **Use Case: Investigate and Act on a Project Manufacturing Execution Problem**

As a production control team member for an airplane manufacturer, you spot a work order exception for an engine building project. You drill in to find a component shortage: the work order requires 5 fuel pumps, but only 2 are available in on-hand inventory. This puts the on-time fulfillment of your customer sales order at risk.

You consult the purchase order timeline viewer that details fuel pump purchases. You also search the project inventory to find other projects that need fuel pumps, but less urgently. You borrow fuel pumps from the later work orders, and issue them to your work order to keep your project on schedule.

- **Discrete Manufacturing: Dual UOM Support for Assembly and Component Items** [EBS 12.2.12] – we now provide discrete manufacturers with dual unit of measure (UOM) support for assembly and component items. For example, you can buy steel cable by the ton, but do work orders that demand steel cable by the meter or by the foot. And you can track inventory in both a primary and a secondary UOM. The new capabilities let you transact items in dual UOM in the Mobile Supply Chain App and interfaces, for example:
  - Support Issue
  - Return
  - Backflush
  - Pick
  - Release
  - Move
  
- **Process Manufacturing MES: Clearance Instructions** [EBS 12.2.12] – to increase your control of production activities that require regulatory compliance or other close monitoring, we provide a new “clearance instructions” capability. This ensures that production activities begin only after clearance instructions have been completed, for example:
  - Cleaning equipment and facilities
  - Calibrating equipment
  - Recording quality and equipment readings
  - Receiving confirmation to proceed
  
- **Enhanced Quality Management in iSupplier Portal, EAM, and Receiving** [EBS 12.2.10 – 12.2.12] – we have enhanced integrations between Quality Management and iSupplier Portal, Enterprise Asset Management (EAM), and Receiving. Benefits include expanded support for quality collection, as well as Electronic Records and Electronic Signatures (ERES) support for:
  - Quality Workbench (HTML)
  - iSupplier Portal Quality transactions
  - EAM Asset Quality transactions
  - Inventory: Receiving Inspections



- **Enterprise Asset Management (EAM): Functional Asset Hierarchy [EBS 12.2.12]** – you now can manage enterprise assets using alternate “functional asset hierarchies.” For example, if an existing asset hierarchy groups office rooms by building, you can create an alternate hierarchy that groups office rooms by building and floor.

You can use alternate functional asset hierarchies to aggregate maintenance activities. For instance, you can maintain assets by location (for facilities), by production line (for manufacturing assets), by network (for transmission/communication assets), and so on.

- **Enterprise Asset Management (EAM): Indoor Maps of Assets in Buildings [EBS 12.2.12]** – a new workbench lets you easily view and manage enterprise assets on an indoor map. Integrated with the ESRI ArcGIS Indoors service, the Indoor Map Workbench lets you configure and render map layers. It helps you search for assets, work orders, and work requests; and create work requests and work orders for assets.
- **Service Command Center: Service History Diagram [ECC April 2022 & November 2022 Updates]** – the Service Command Center helps enterprises streamline service delivery and billing. A new Service History Diagram, delivered in April 2022, enables efficient resolution of new service requests based on analysis of past requests for similar issues. In November 2022, we add the ability to search for similar service requests using Notes keywords. As well, you can drill in to see the audit trail for a service request.
- **Human Resources Command Center [ECC November 2022 Update]** – the Human Resources Command Center lets administrators and line managers explore and analyze their workforce to make informed decisions. In November 2022, we expanded search and filtering capabilities and added a timeline view of employee assignment history.

#### **Use Case #1: Review Employee Assignment History in Timeline View**

An employee who recently joined your organization asks why they have not been promoted. You check the timeline view of the employee’s assignment history and find the employee was promoted in each of the past two years. By joining your organization, the employee might have missed out on a promotion they expected to receive from their releasing organization. With this insight, you are better prepared to address your employee’s concerns.

#### **Use Case #2: Review and Search within Person Reporting Hierarchy**

You can search for someone in the person reporting hierarchy and quickly see their details, such as location and phone numbers. You can click on a person to see their direct reports, and continue clicking to reveal the full person reporting hierarchy.

Suppose you are assembling a project team for Barry Erickson, who's based in New York. You can do a search within Barry's organization to find the employees located near to Barry who can be assigned to a New York-based project.

## Application Technology Highlights

- **EBS on Oracle Cloud Infrastructure (OCI):** in 2022, EBS customers increasingly leveraged Oracle Cloud Infrastructure offerings, including:
  - Infrastructure as a Service – subscription-based infrastructure to avoid on-premises data center expense
  - Database as a Service – Database Cloud Services and Exadata Cloud Services, both unique to Oracle

In October 2022, we announced EBS certification with the Oracle Autonomous Database on Dedicated Exadata Infrastructure. The initial certification is for limited availability. (For further details, contact [ebs-adb-info\\_ww@oracle.com](mailto:ebs-adb-info_ww@oracle.com).)

To help customers move their on-premises EBS environments to OCI, we continue to invest in EBS Cloud Manager automation for:

- Provisioning of EBS environments on OCI
- “Lift and shift” of fully configured, on-premises EBS environments to OCI
- Lifecycle management of EBS environments running on OCI

EBS Cloud Manager releases in 2022 delivered these additional capabilities:

- EBS Cloud Manager 22.1.1 (March 2022):
  - Enterprise DB Services infrastructure optimized cloning
  - Cloud Manager Cloning Enhancements
    - Choose a different compartment and network for the target environment
- EBS Cloud Manager 22.2.1 (September 2022)
  - Support for OCI File Storage Service (FSS) as the shared application tier file system
  - Cloning enhancement to allow change of database name for the clone
- EBS Cloud Manager 22.2.1.1 (October 2022) – Support for OCI Autonomous Database
  - Migration of EBS 12.2.6+ to OCI Autonomous Database on Dedicated Exadata Infrastructure
  - Environment Lifecycle Management
    - Provision
    - Add or delete apps-tier nodes
    - Delete environment

- **Operational Efficiency:** with 12.2.12, we provide new Workflow support for Microsoft Office 365 Exchange Authentication, which requires OAuth 2.0 based authentication for IMAP connections.

The Workflow notification mailer now certifies OAuth 2.0 for IMAP Connections. The certification applies to Release 12.2.x and Release 12.1.3.

## Availability and Deployment

- **Oracle E-Business Suite 12.2.12:** Oracle E-Business Suite 12.2.12 is currently available on My Oracle Support as [Patch 33527700](#). Release 12.2.12 is cumulative and includes new updates as well as updates made available in one-off patches on 11.5.10, 12.0, 12.1.3 and prior 12.2 releases.

The 12.2.12 patch must be applied on top of Oracle E-Business Suite Release 12.2. Instructions for downloading and applying the patch are in the “Oracle E-Business Suite Release 12.2.12 Readme”, [Doc ID 2876726.1](#).

- **Oracle Enterprise Command Centers:** Instructions for installing or upgrading to the latest version of the Oracle Enterprise Command Center Framework and for enabling the available command centers are in “Installing Oracle Enterprise Command Center Framework, Release 12.2 (Latest Version)”, [Doc ID 2495053.1](#). The document lists all applicable patches for Release 12.2.4 and higher.
- **HRMS Release Update Pack:** Instructions for applying the latest Oracle HRMS Legislative Data Patch are available in “Latest Oracle HRMS Legislative Data Patch Available (HR Global / hrglobal)”, [Doc ID 145837.1](#).
- **EBS Cloud Manager for EBS on Oracle Cloud Infrastructure:** Instructions for deploying the latest Oracle E-Business Suite Cloud Manager on Oracle Cloud Infrastructure are in the "[Deploy Oracle E-Business Suite Cloud Manager on Oracle Cloud Infrastructure](#)" chapter of the [Oracle E-Business Suite Cloud Manager Guide](#).

## Supporting Resources:

- [Oracle E-Business Suite: Innovations in 2022](#) (Video) [*Cliff Godwin's highlights video*]

- [Oracle E-Business Suite Release Content Documents](#) (Doc ID 1302189.1) *[EBS new and changed features]*
- [Oracle E-Business Suite Learning Center](#) *[EBS Transfer of Information (TOI) learning center for new and changed features]*
  - See [Announcing the Oracle E-Business Suite Learning Center](#) (PDF) *[First-time user instructions]*
- [Oracle E-Business Suite on Oracle.com](#) *[EBS news and information]*
- [Oracle E-Business Suite Release 12.2 Information Center](#) (Doc ID 1581299.1) *[EBS 12.2 reference information]*
- [Oracle E-Business Suite Documentation Web Library, Release 12.2](#) *[EBS 12.2 product documentation]*
- [E-Business Suite Legislative Updates Center](#) (Doc ID 871204.2) *[EBS legislative updates latest information]*
- [E-Business Suite Ideas Lab](#) of the [My Oracle Support Community](#) *[Customer-voted enhancement ideas on My Oracle Support]*