

# Empowering the Oracle E-Business Suite User Experience: Data Discovery and Visualization

**Enterprise Command Center** 

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Vice President
Applications Development

#### Safe harbor statement

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# **The Need for Information Discovery**

**Information Discovery**Guided Discovery





**Answer Questions** 

Ask ad-hoc questions



**Find Patterns**Advanced Visualizations



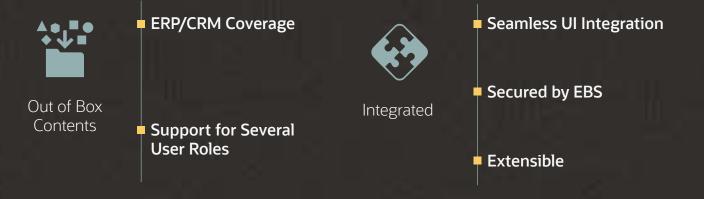


**Make Decisions** 

Insight

Enterprise Command Center

# **EBS Enterprise Command Center Key Features**





# Payables Command Center

Improve Supplier Relationship











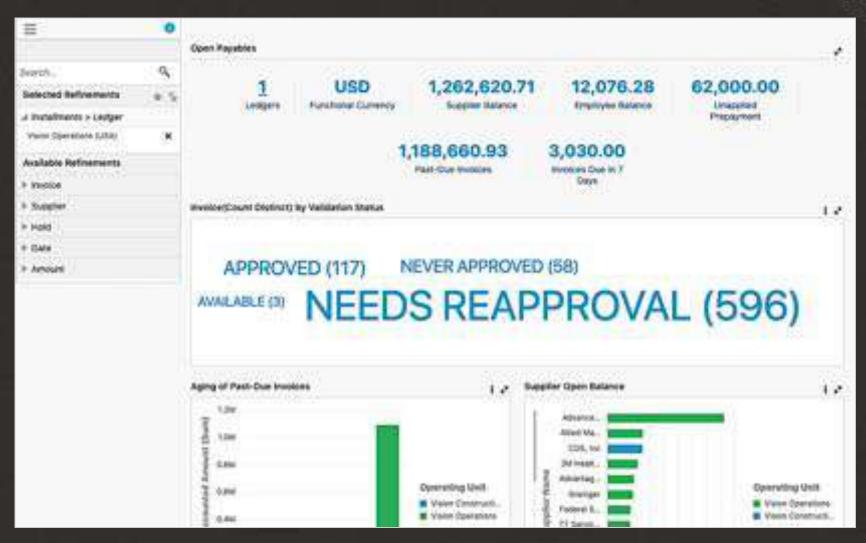




Gain Insight Into Pending Invoices Identify Suppliers with Highest Balance Review Associated Holds Share the invoices with holds for resolution



#### **Visibility into Delayed Payments**

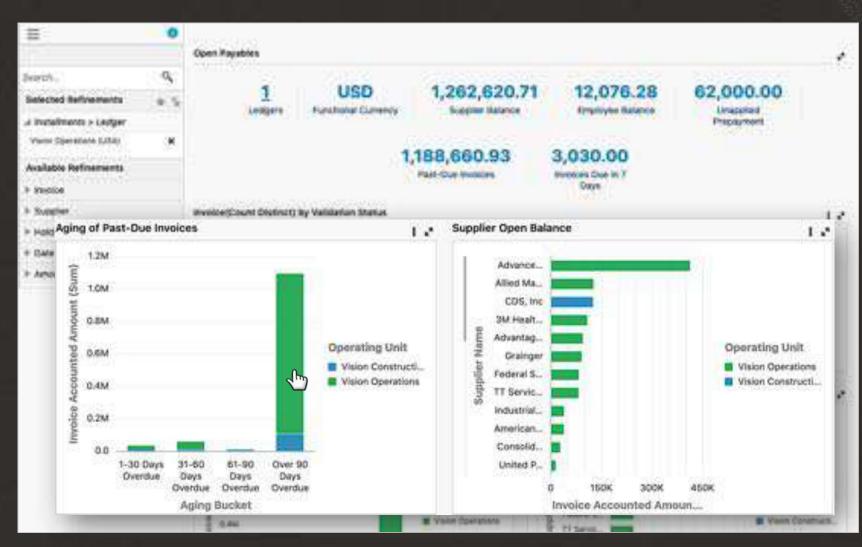


Gain visibility into all supplier balances and holds

### **Visibility into Delayed Payments**

**L** Chart

☐ Compare multiple partto-whole relationships



☐ Drill into largest overdue invoices



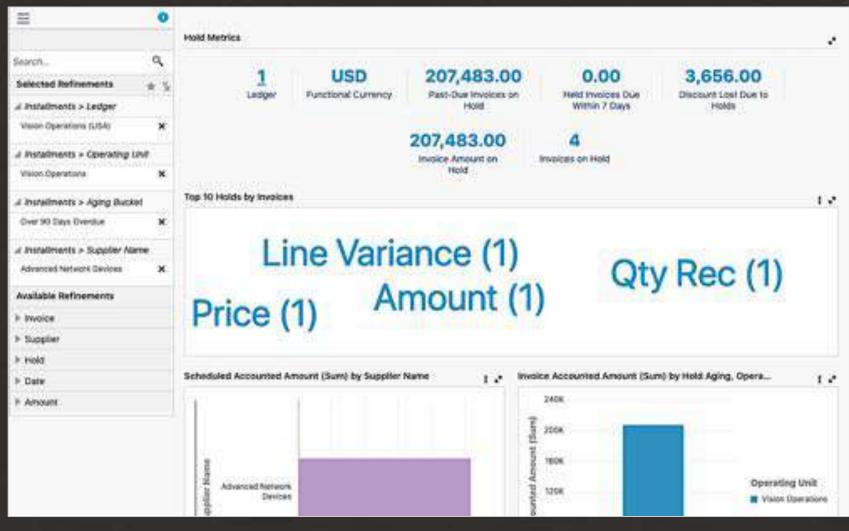
# **Visibility into Delayed Payments**

**L** Chart

☐ Compare multiple partto-whole relationships

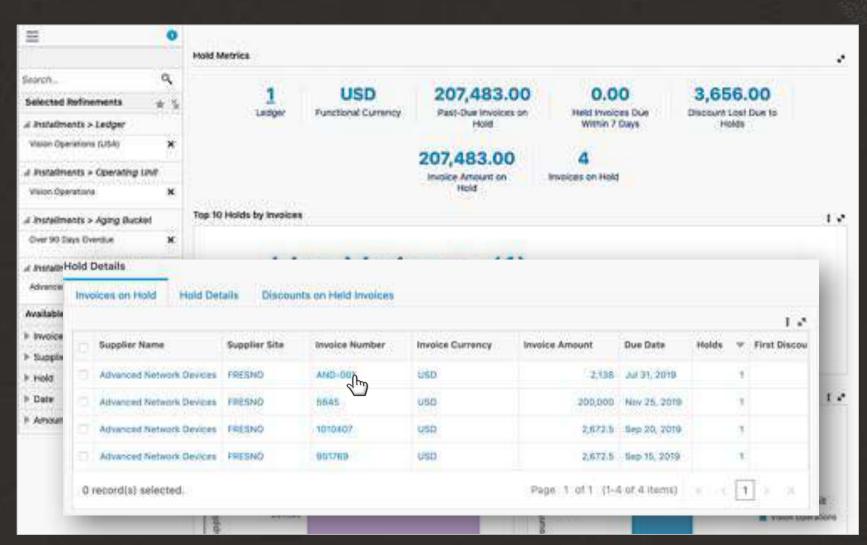


Focus on supplier with largest balance



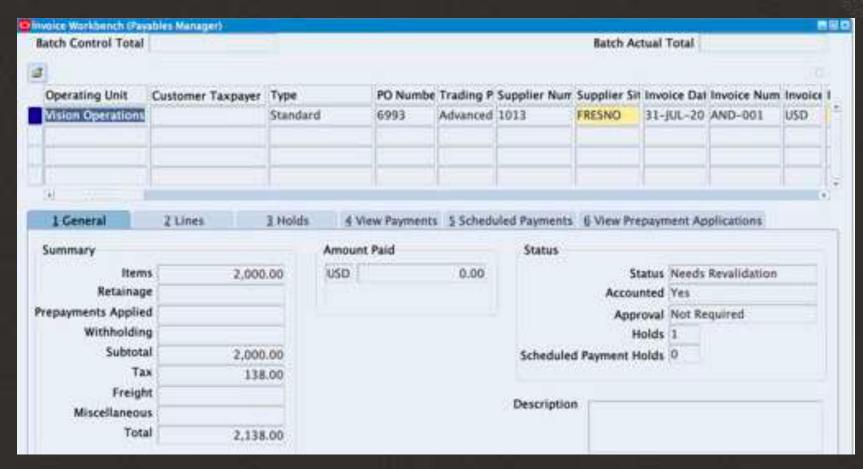
- Review if any invoices have holds
- □ Navigate to Holds

- Results Table
- Row level details



■ Review invoices

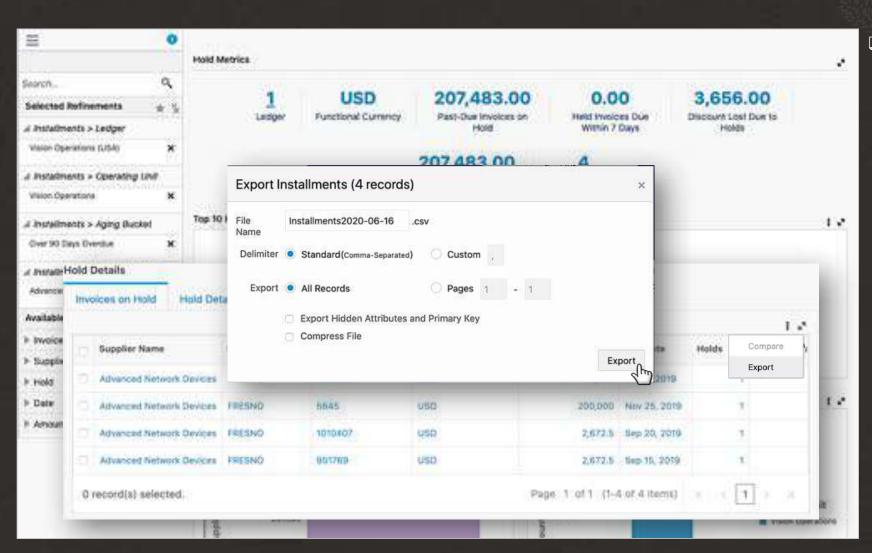
- Results Table
- EBS Forms Integration



■ Review invoices

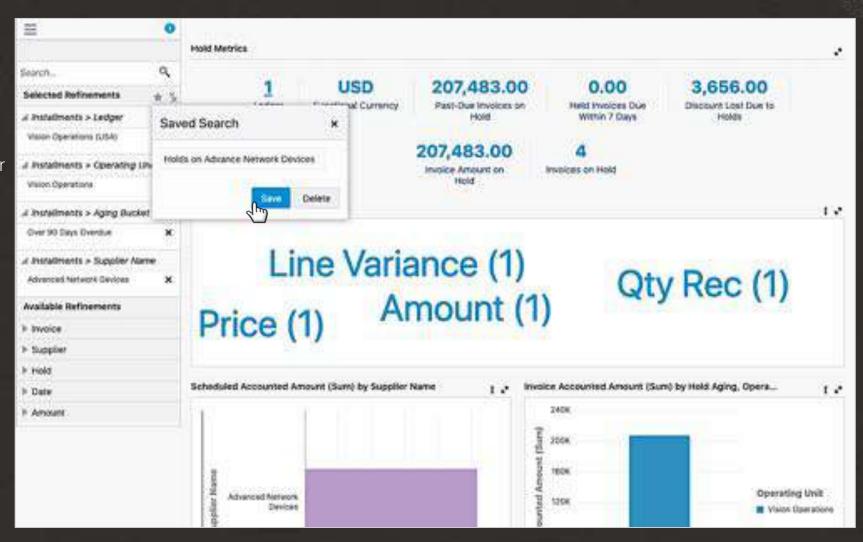


- **Export**
- Export record wise attribute details in a CSV file



■ Export invoices with holds and collaborate for expedited resolution

- Saved Search
- □ Save the filters on dashboard for using them later



□ Save the refinements for reapplying them later for validation



#### **Functional Content in V4**

28

#### Financials



- Receivables
- → Payables
- ☐ Assets
- ☐ iReceivables
- ☐ Channel Revenue Management
- ☐ Incentive Compensation
- ☐ Lease and Finance Management

Lease Contract Procurement & Projects



- ☐ iProcurement
- □ Projects
- □ Contract Lifecycle Manageme
- Procurement
  Command
  Center

Project Procurement Order
Management
& Logistics



- OrderManagement
- ☐ Inventory Management

Landed Cost

Management

Asset Lifecycle & Services



- ☐ Enterprise Asset Management
- ☐ Service Contracts
- Service
- □ Depot Repair

Field Service

Asset Tracking Manufacturing



- ☐ Discrete Manufacturing
- Process
  Manufacturing
- OutsourcedManufacturing
- Cost
  Management

Quality Management **HCM** 



Workforce Explorer



Integrator/

Administrator

Features

- ✓ Push Model
- ✓ Saved Search
- ✓ Export
- ✓ Available Refinement Scrollability
- ✓ Results Table Pagination
- ✓ Bulk Action
- ✓ Descriptive Flexfield

- ✓ Refinement Breadcrumb
- ✓ Record Details
- ✓ Compare Enhancements
- ✓ Multi-Data set Support
- ✓ Chart Enhancements



- √ File/SQL Query Upload ✓ Data Set Download
  - ✓ Extending Security Handler
  - ✓ Online Data Load
  - ✓ ECC Analyzer
  - ✓ ECC on OCI
  - ✓ About ECC



# **V4** Release Timeline and Compatibility

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# Payables Command Center

Optimize Payables Month-End Processing and Improve Accounting Cycle











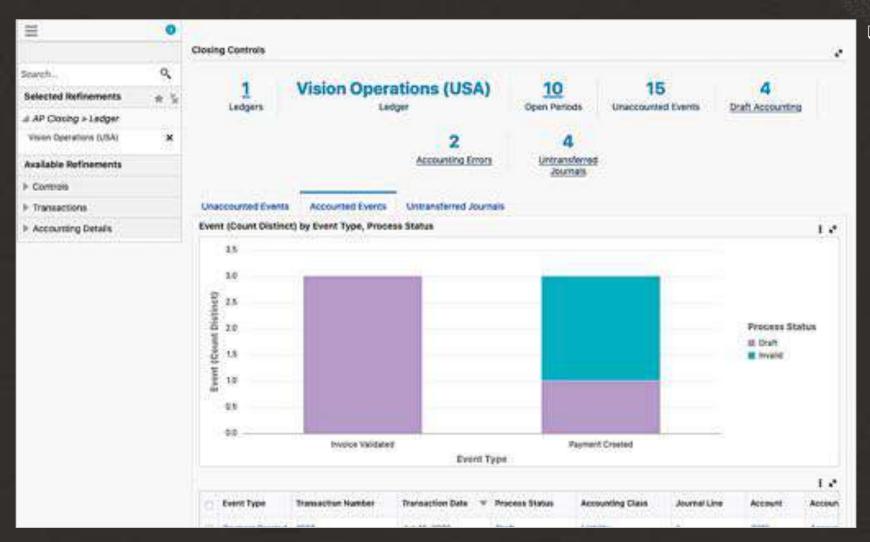






Gain Insight Into Closing

Identify Closing Bottlenecks Review Accounting Event Export transactions



☐ Gain visibility into all subledger accounting events

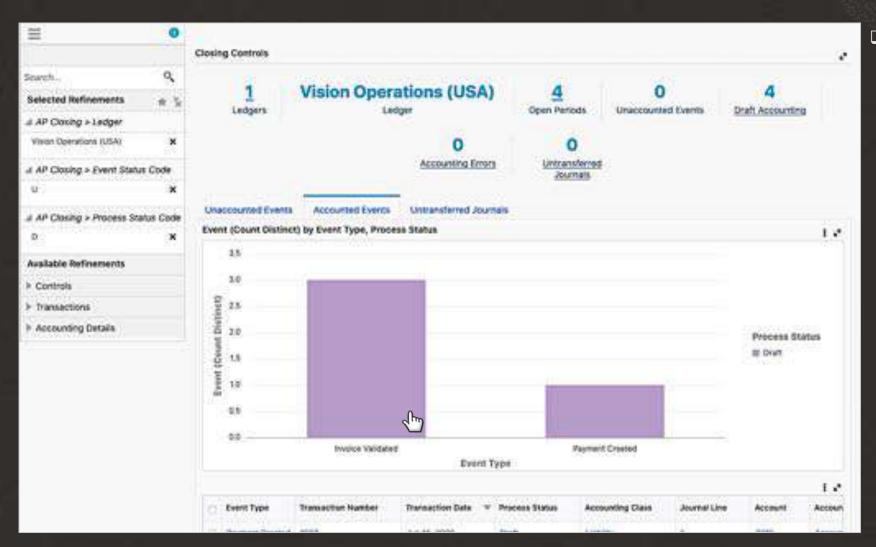
- □ Summarization Bar
- ☐ Tracking and measuring some aspect of business activities
- ☐ Deliver refinement actions



☐ Drill into draft accounting events

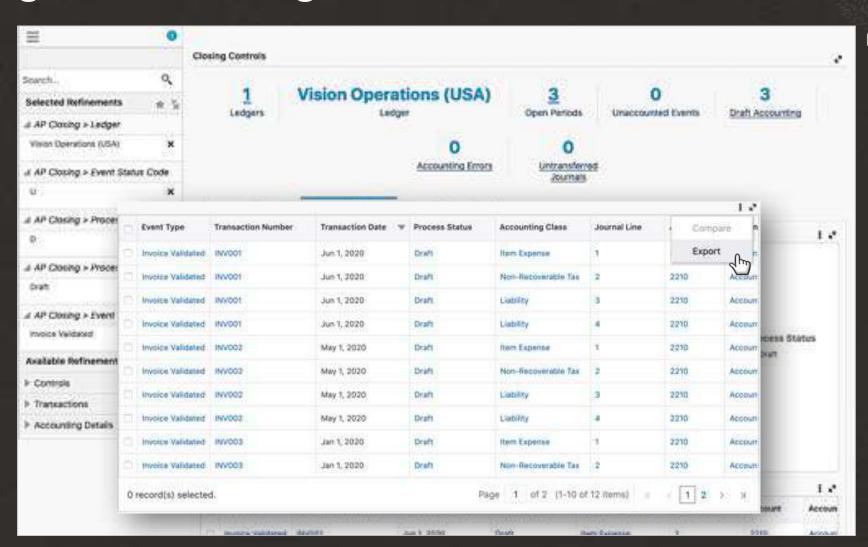
L Chart

☐ Compare related information



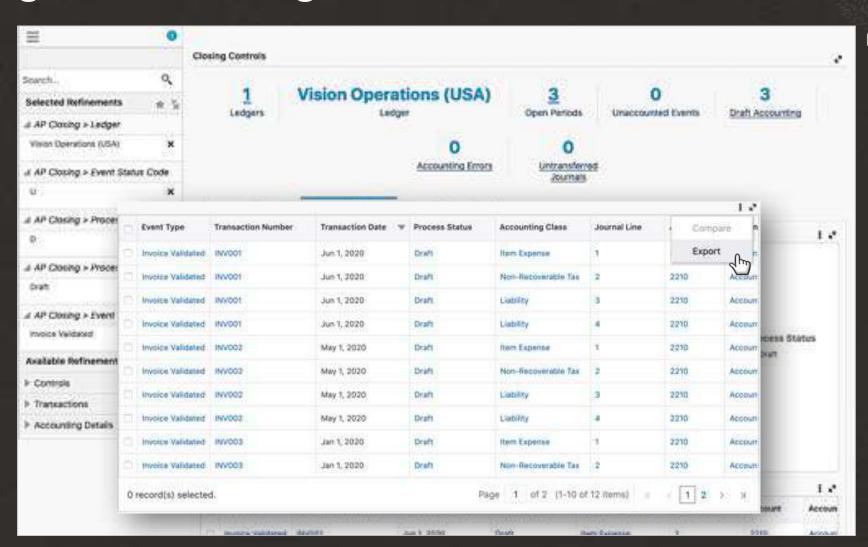
Focus on an event type

- Results Table
- ☐ EBS Form Integration



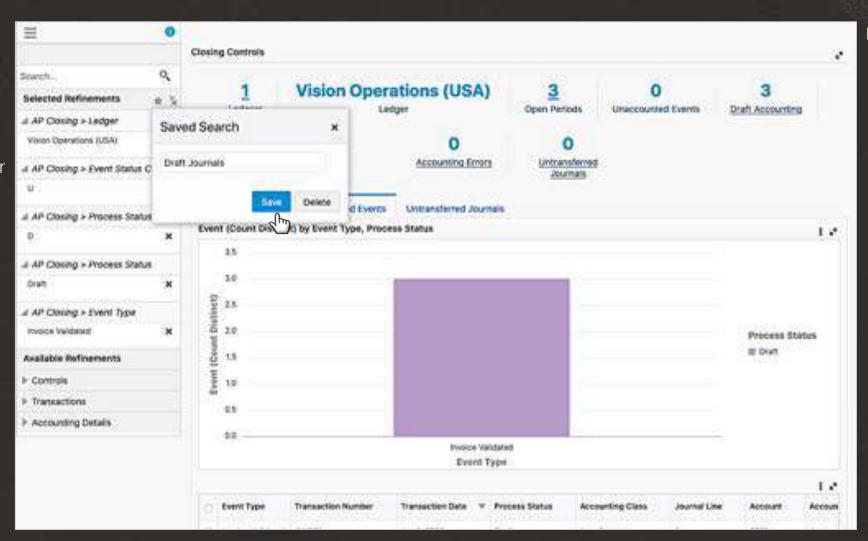
Review transactions and export to follow up

- **Export**
- Export contents in CSV file



Review transactions and export to follow up

- Saved Search
- □ Save the filters on dashboard for using them later



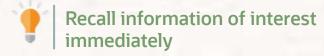
☐ Save dashboard refinements for tracking the status later

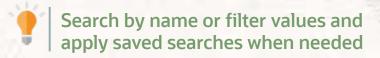


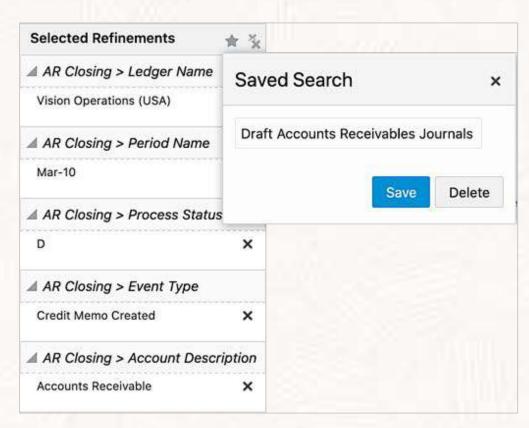
#### **Saved Search**

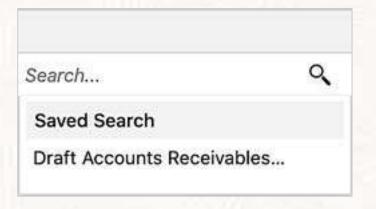


Save frequently used filters











# **Export**



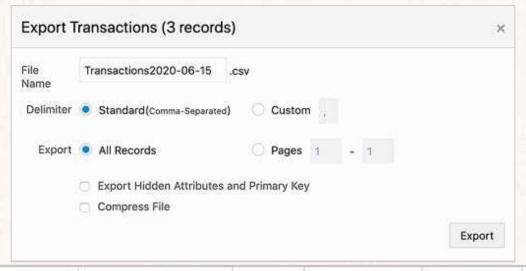
Better collaboration and work management



Allows users to export data from results table or grid



Choose from a variety of options for exporting the file



Exported on 2020-06-15 13:58:00									
Selected Refinements									
Outstanding Receivables	Transaction Currency	'USD'							
Disputes	Dispute Reason	'Cancellation'							
Disputes	Bill-To Customer	'A. C. Networks'							
Transaction Number	Transaction Class	Transaction Date	Transaction Currency	Amount Due	Transaction Amount	Discount Amount	Account Number	Bill-To Customer	Bill-To Location
TRANSACTION_NUMBER	TRANSACTION_CLASS	TRANSACTION_DATE	TRANSACTION_CURRENCY_CODE	DUE_AMOUNT	TRANSACTION_AMOUNT	DISCOUNT_AMOUNT	ACCOUNT_NUMBER	BILL_TO_CUSTOMER	BILL_TO_LOCATION
516405	Invoice	2007-09-06T00:00:00Z	USD	43750	43750		1143	A. C. Networks	Provo (OPS)
10034644	Invoice	2013-07-25T00:00:00Z	USD	48000000	48000000		1143	A. C. Networks	Provo (OPS)
10034424	Invoice	2013-07-23T00:00:00Z	USD	15990	15990	0	1143	A. C. Networks	Provo (OPS)

#### **Refinement Breadcrumb**



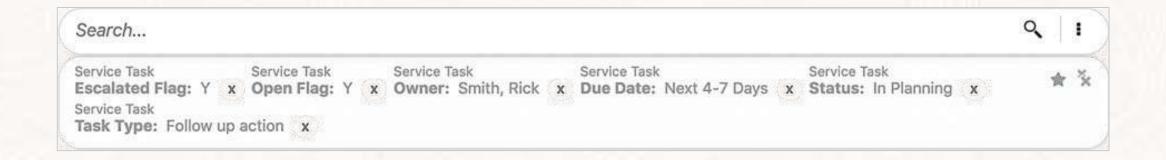
Intuitive experience to display the trail of navigation



Flat display of refinements for immediate visibility and access



Selected refinements displayed on page as breadcrumb



# **Available Refinements Scrollability**

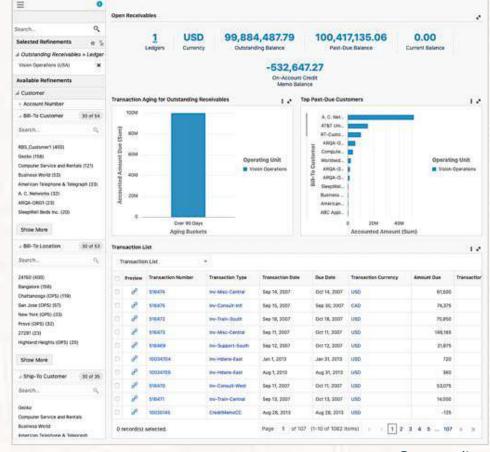
Enhance user experience of ECC dashboard



Dashboard visibility no longer compromised when scrolling



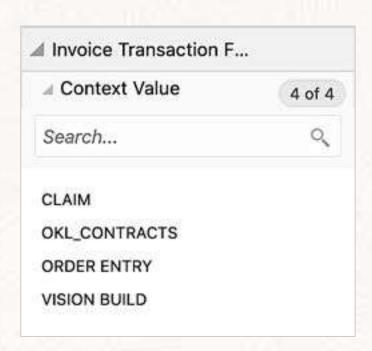
Scrolling confined to dashboard page height



# **Descriptive Flexfield**



Access DFF attributes from available refinements and results table

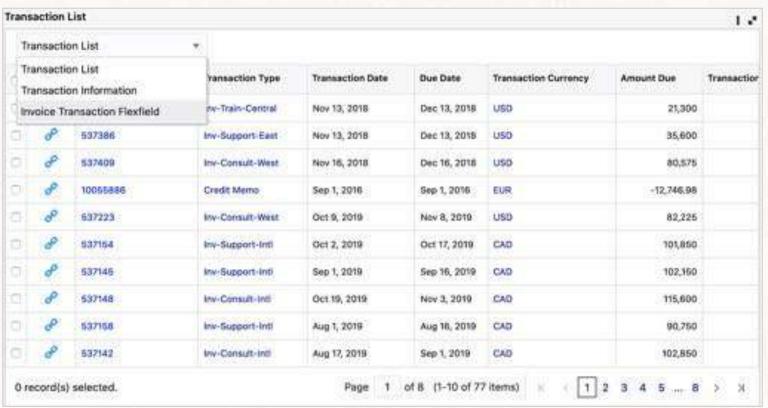


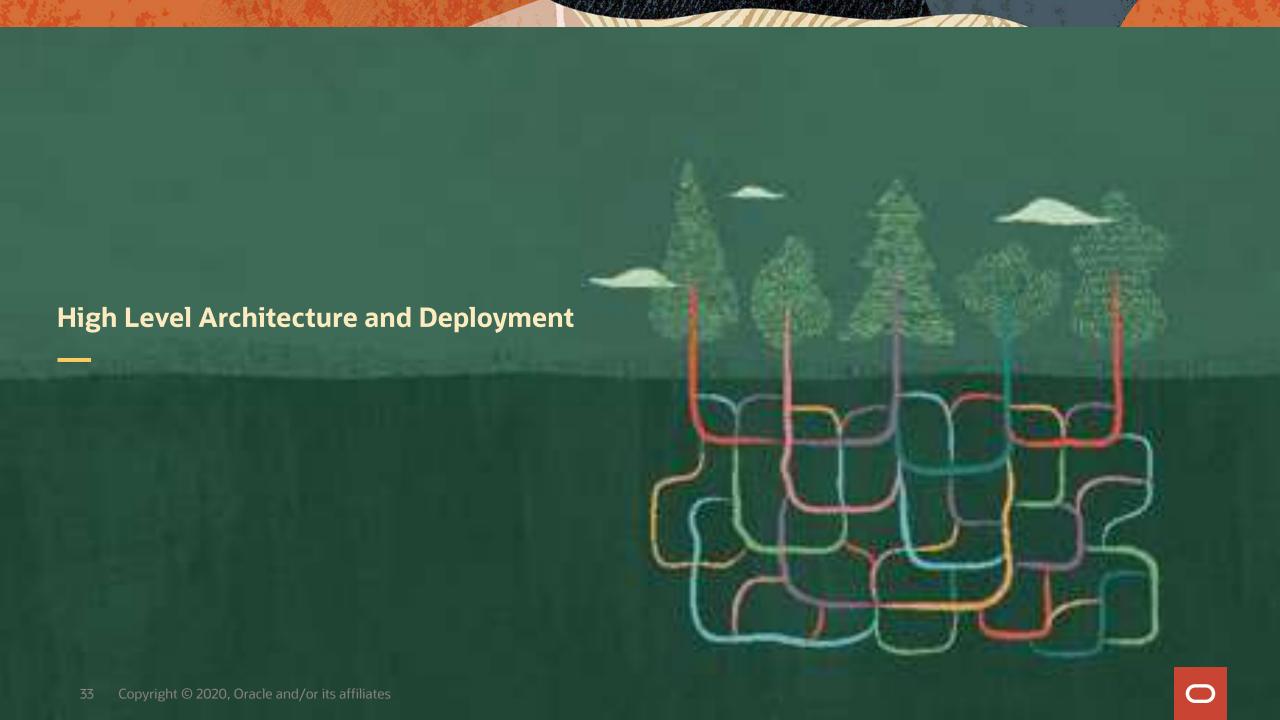


**Customer defined labels for DFFs** 



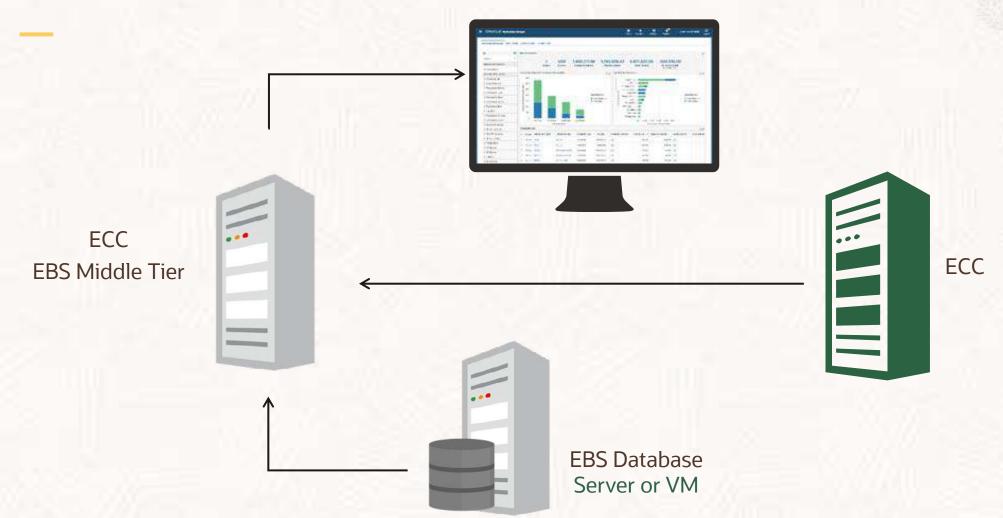
Progressive disclosure for context sensitive attributes





# Installation

QuickInstall





#### **ECC on OCI**



Cloud Marketplace Image to Deploy ECC on OCI Alongside EBS

- Rapid deployment and upgrades
- **ত** Reliably High Performance
- Faster provisioning of service and World-Class Security



#### Installation

#### Software requirement

Linux Weblogic EBS

Version: Linux 7 Version: 12c Version: 12.2.4 onwards

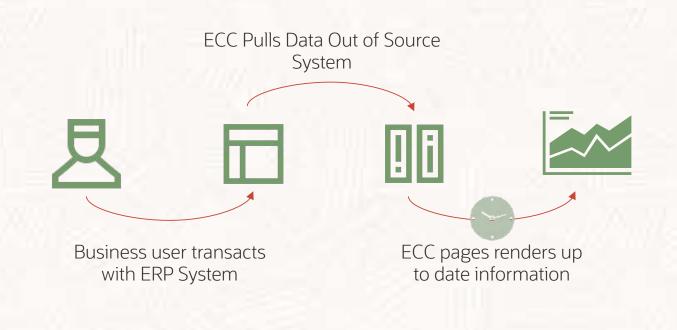
#### Hardware requirement

Core Memory Disk Space 32 GB 80 GB

<sup>\*</sup> The resources estimation is for Oracle Enterprise Command Center application with the assumption that there are about 15 datasets in use where each dataset is having 2 million records that sums up to 30 million records in total and 50 named users across multiple products.



#### **Data Transfer From EBS**

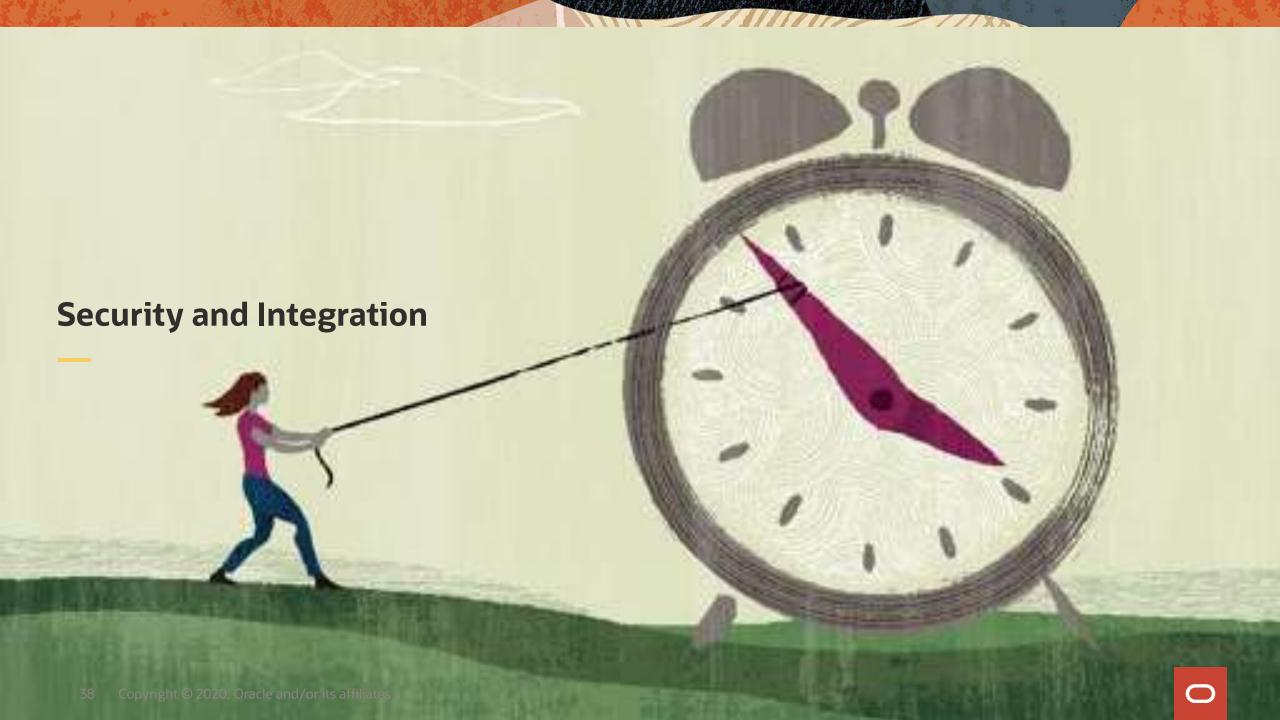


> Uses SQL and PLSQL

> State Management

> Familiar Runtime





# **EBS Security Enforcement**

Payables Example

ECC Dashboard embedded in OA

#### **Application level**

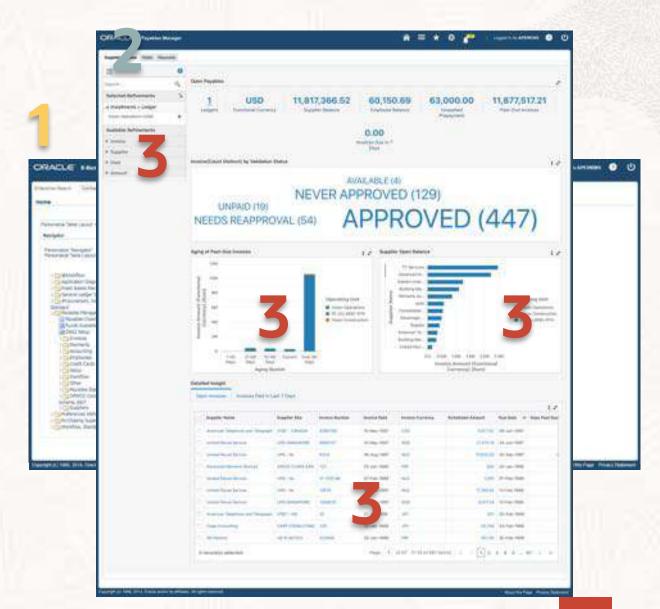
Role assignment to responsibility

#### Page level

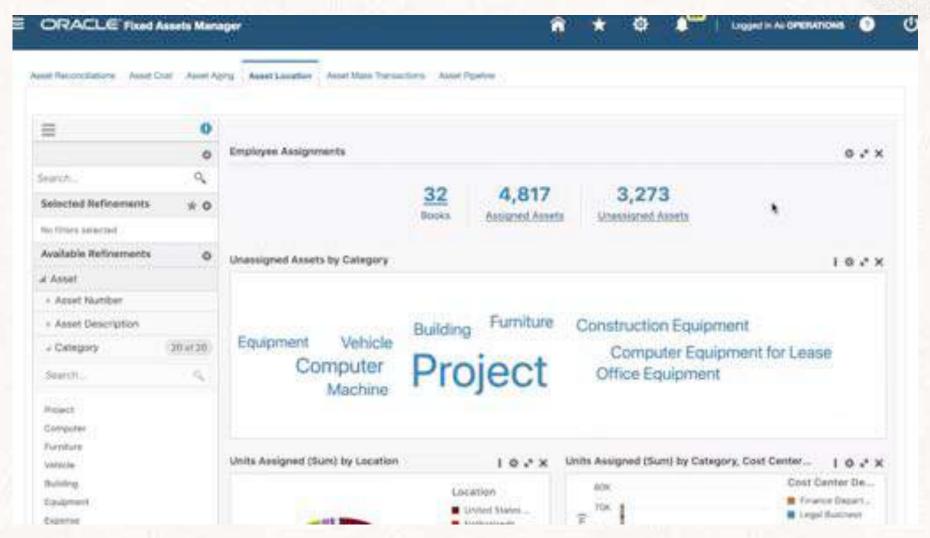
Privileges and permission sets in role

#### Data level

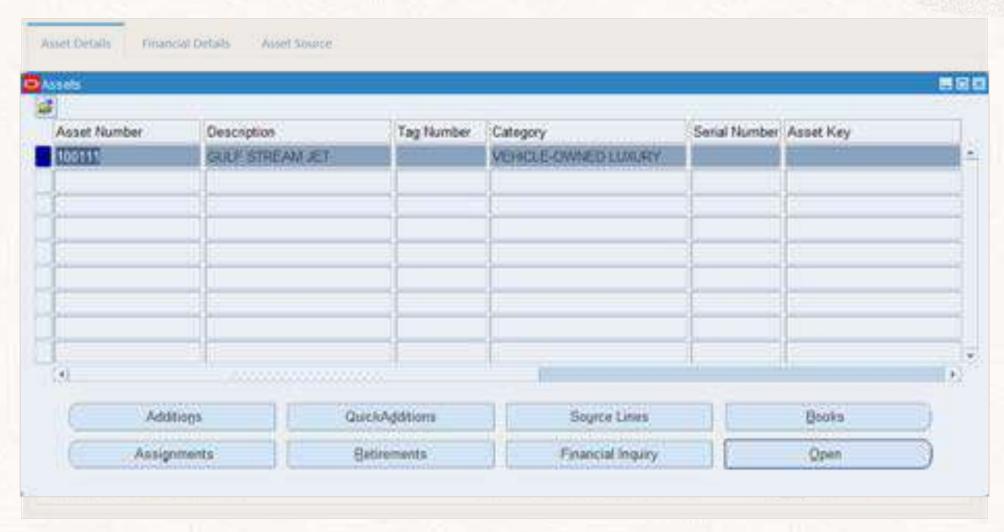
EBS data security per module (i.e org id, inventory org, content zone, etc..)



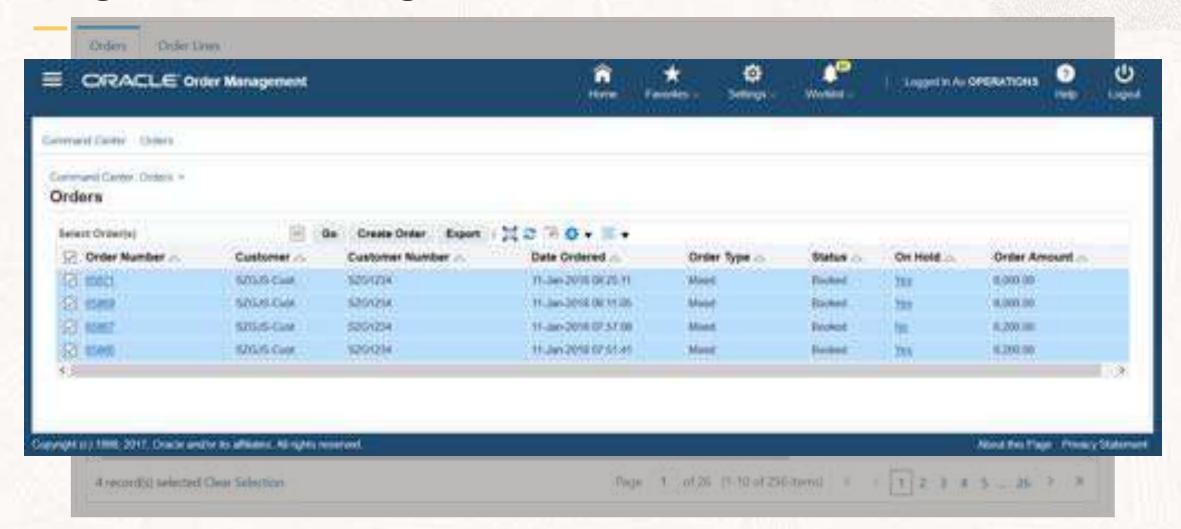
# **Integration with Forms**



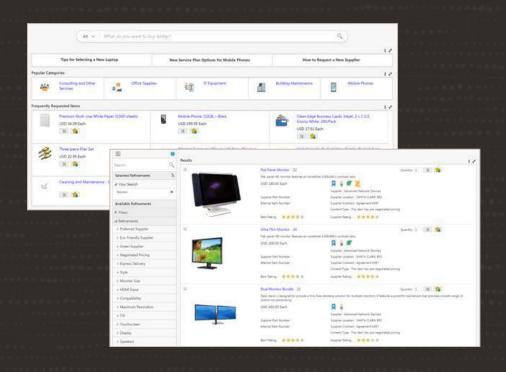
# **Integration with Forms**



#### **Integration with OAF Pages**







# iProcurement Command Center

**ECC Feature Snippets** 



#### **Record Details**



View additional information for selected record



Leverages attribute groups configured in admin UI for additional data



Row action in results table and actionable icon in results grid





#### **Compare Enhancements**



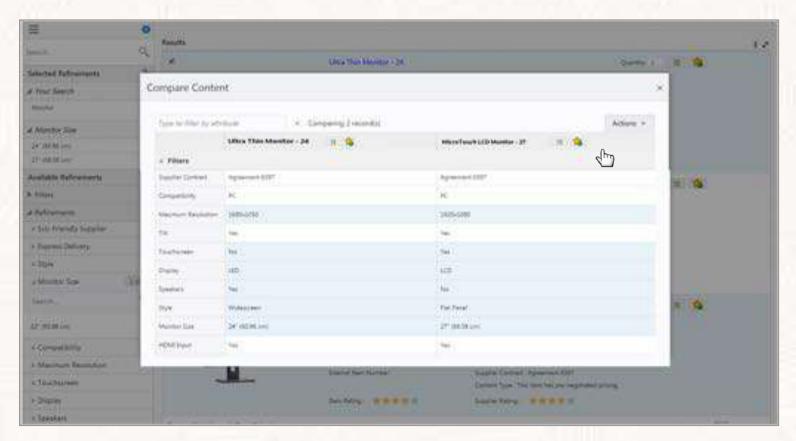
Organized display of attributes and reduced efforts to access actions



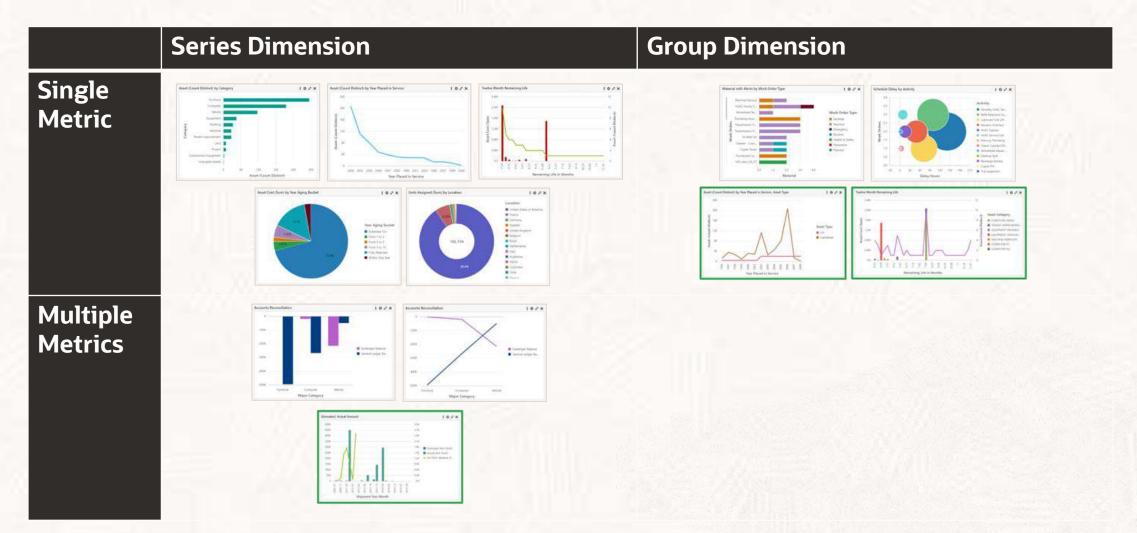
Leverages attribute groups configured in admin UI for display of attributes



Access actions directly from the pop-up



### **Chart Configuration Support Matrix in V4**



#### Multiple Data Sets in Search and Available Refinements



Analyze related data sets from one dashboard



Switch among data sets in search and available refinements



Correlate associated entities within same context



#### **Line Chart Enhancement**



Identify a trend or pattern over a period of time



Each series dimension is displayed as separate line



Ability to view changes in a dimension over timeline



#### **Bar/Line Enhancements**



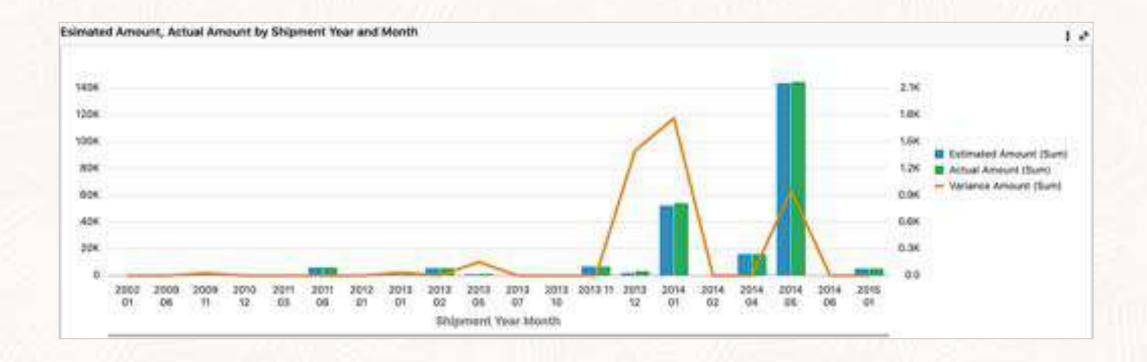
Display a trend over a shared dimension and group of metrics



Support more than a single metric in bar line



Display dual scale for bars vs line



# **Bar/Line Enhancements**



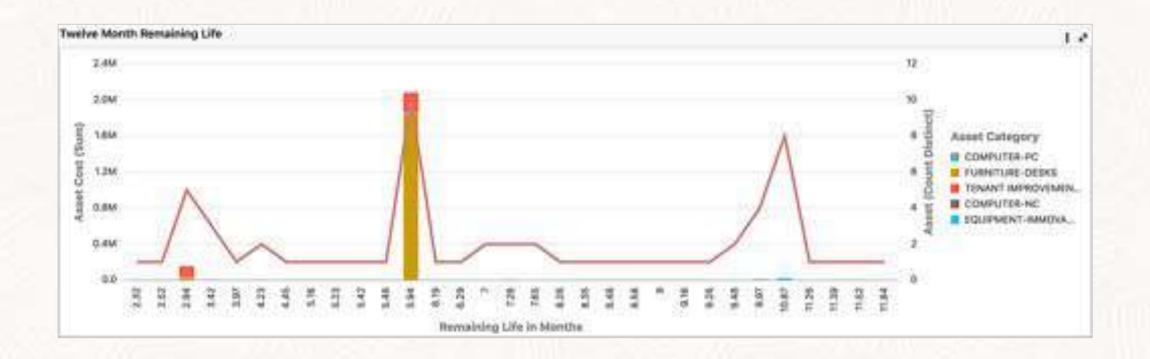
Compare the proportion of dimension along with a trend line



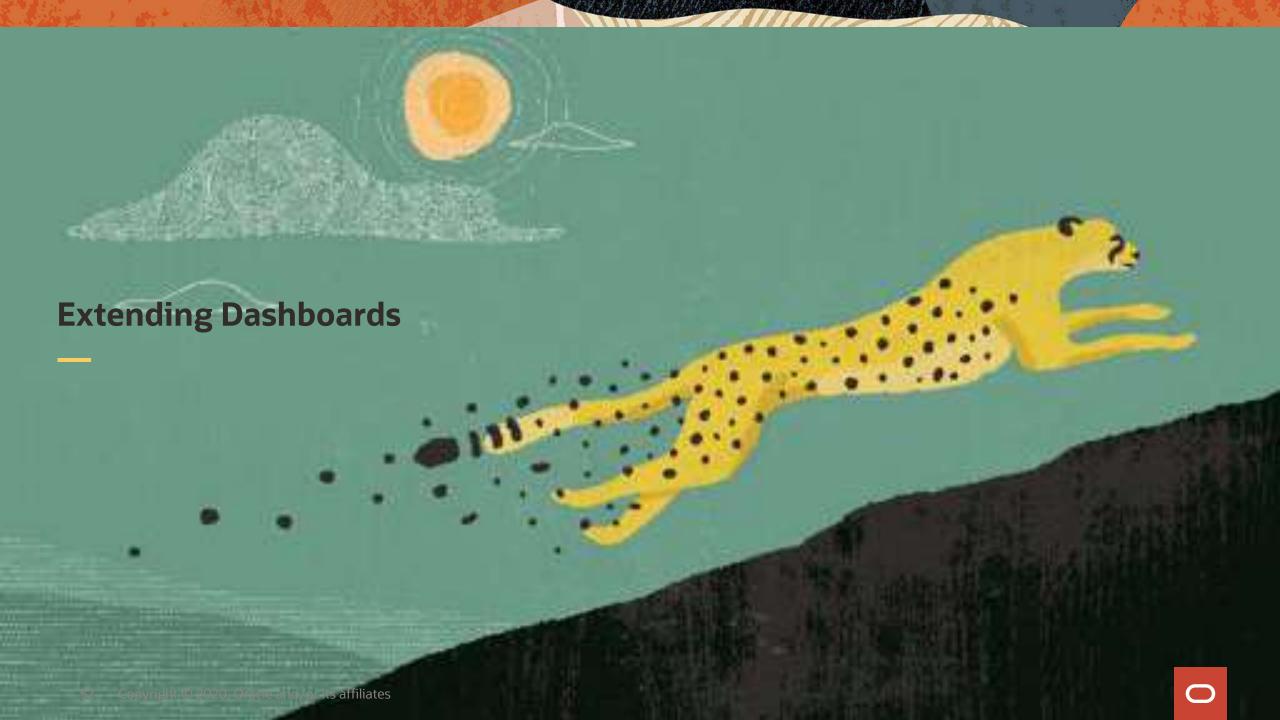
Support display of group and series dimensions in bar/line chart



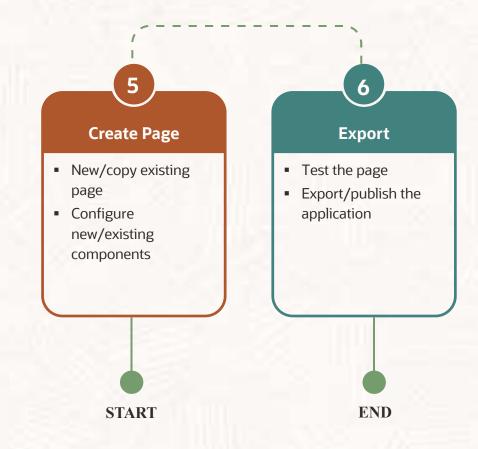
Line metric aggregated on group dimension





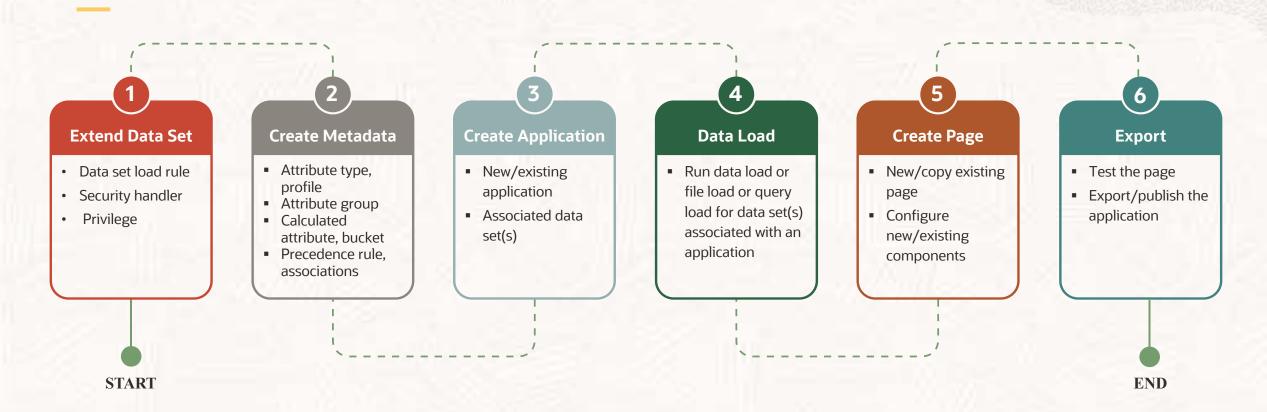


# **Extensibility Flow in ECC**Basic Flow



# **Extensibility Flow in ECC**

#### Advanced Extensibility





#### **Extensibility Flow in ECC**

Advanced Extensibility – Security Handler



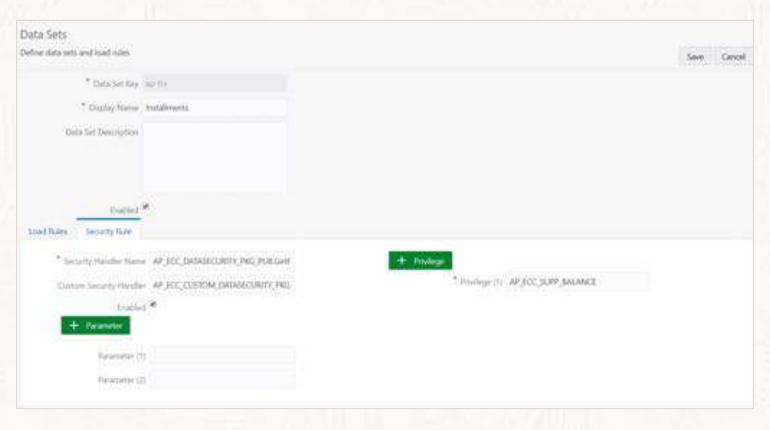
Include custom security on top of the security handler



Available in data sets section as an optional field



Include a separate package in custom security handler field



#### **Data Set Download**



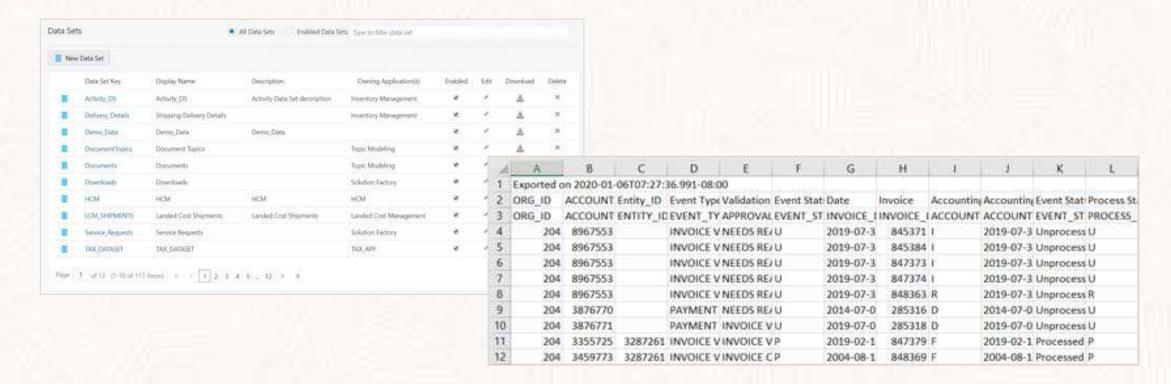
Explore full details of data set along with attribute list



Allows export of data set contents along with attribute keys for backup or prototyping



Data set section will contain download option for each data set



### File/SQL Query Upload



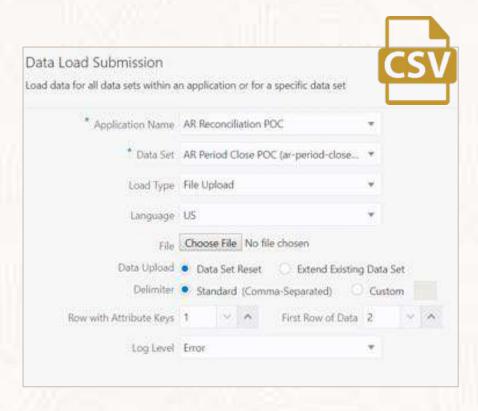
Accessible data load adapters for 3<sup>rd</sup> party source systems or prototyping



Import data from a CSV file or SQL query. Import is language specific



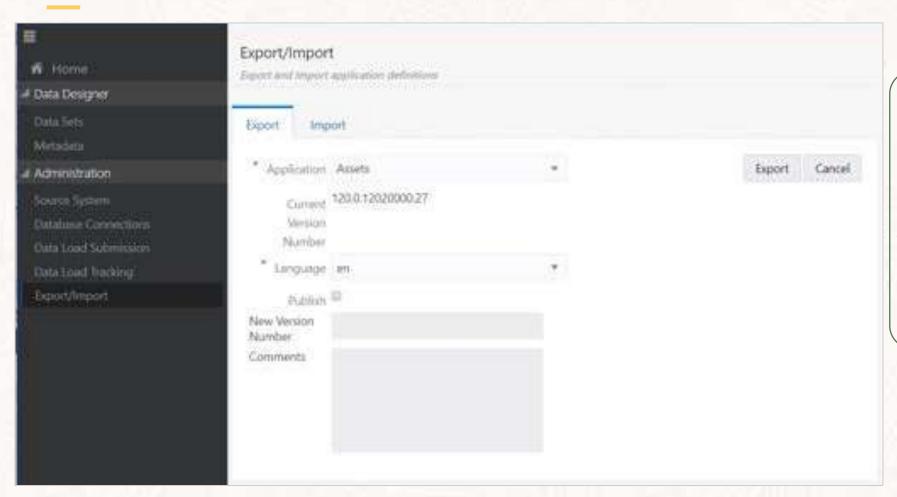
Complies with existing data load adapters and trackable by admin

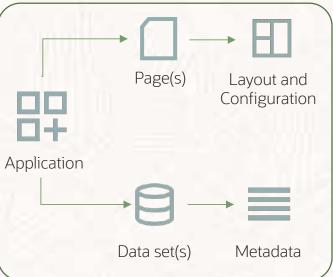




# **Extending ECC Flow**

#### **Export Updated Application**

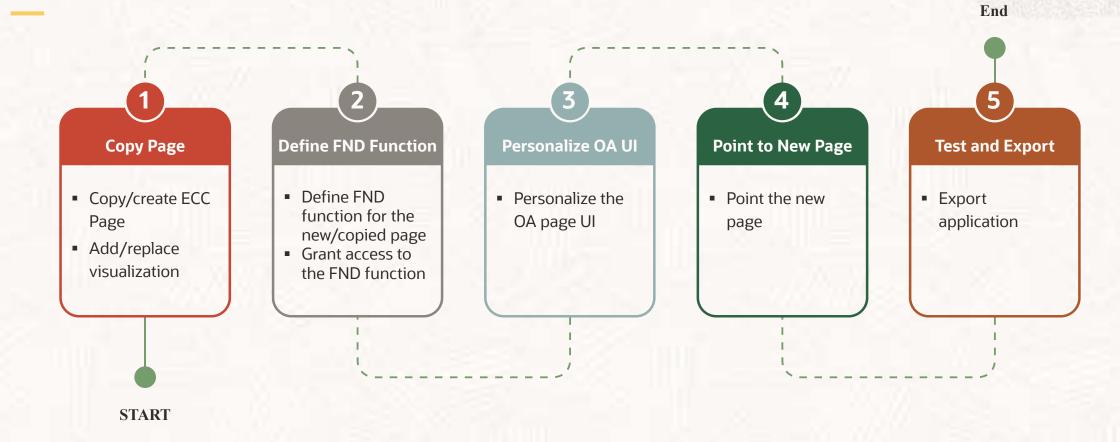




**Application JSON File** 

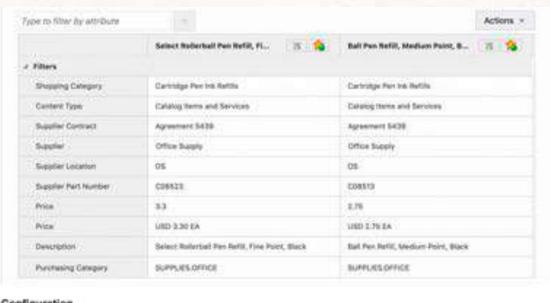
# **Extensibility Flow in EBS**

Personalize from EBS Side



#### **Extending Oracle Enterprise Command Centers**

Oracle Enterprise Command Center Framework Extensibility Guide V4



#### Configuration

Options	Description	
Enable Compare	Checkbox to enable compare at runtime	
Compare Header	Allow adding static test as a compare header	
Header Attribute	Display compare feeder as a tokenized attribute	
Show Attribute Display Name	Flag to display both attribute label and value	

Compare Configuration

#### **Online Data Load**



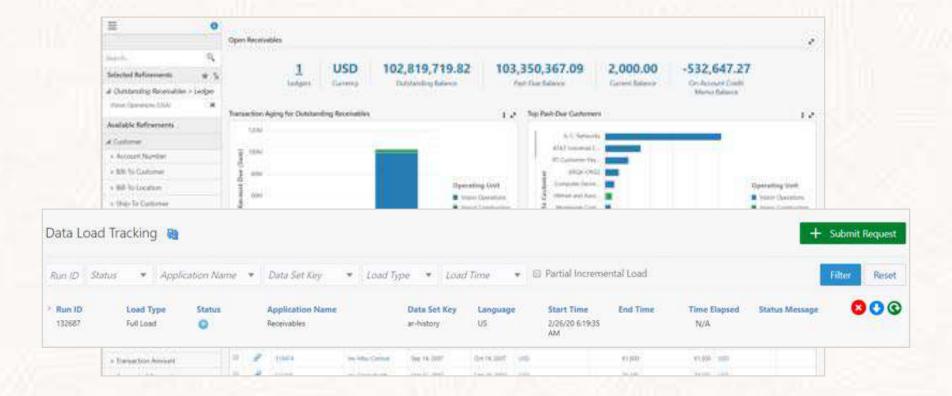
Predictable downtime of dashboard during data load



Dashboard accessible during full load, cut over timing controlled by admin



ETL edition vs Query edition data set dual mode

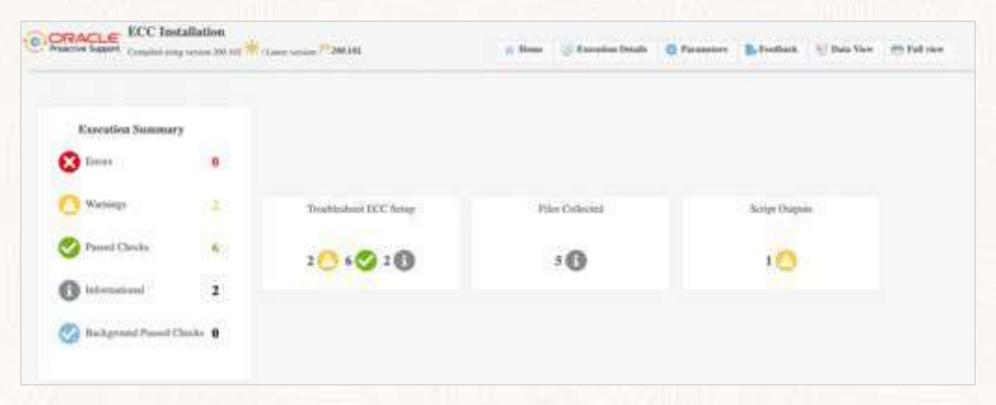




# **ECC Analyzer**

Analyze setup, report issues and collect config files

Doc ID 2587090.1



#### **About ECC**



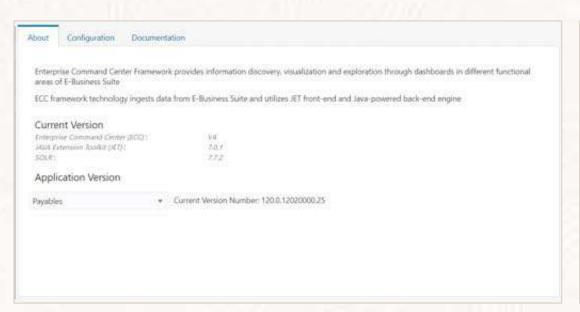
Single point for admin to obtain full details of ECC for troubleshooting



Available from admin UI as a separate tab with three different sections



Includes essential information organized into respective sections







### **Key Takeaways**

Information Driven Navigation

Integrated
Functionally and
Leverages EBS
Security

No Licensing requirement with Minimal User Impact

# **ECC Roadmap**

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New Functional Contents



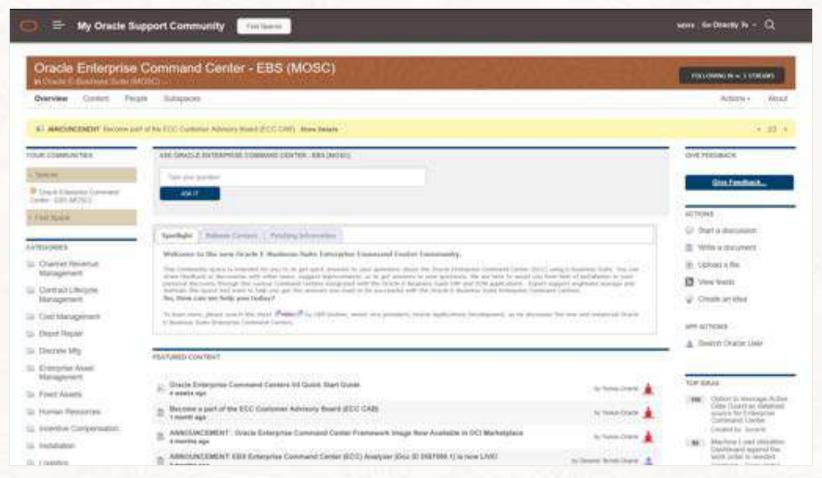
New Framework Features



**Suite Wide Themes** 

# **Enterprise Command Center Roadmap**

#### **Oracle Enterprise Command Center Community**



#### Oracle Enterprise Command Center - EBS (MOSC)



# **Oracle E-Business Suite Learning for All Your Needs**

#### E-Business Suite Learning Subscription

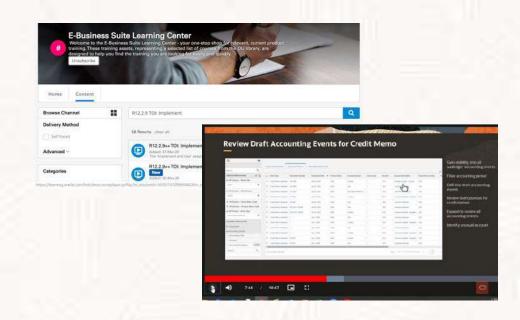
Watch free conference and informational "Direct from Development" videos



learn.oracle.com/subscriptions/ebs

#### **E-Business Learning Center**

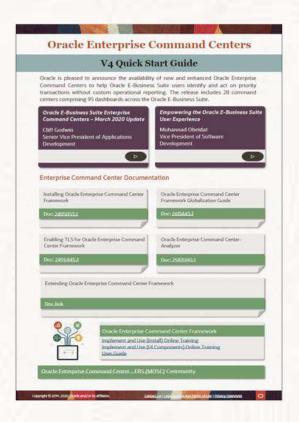
Watch free Transfer of Information (TOI) training to learn how to implement and use latest 12.2 features



oracle.com/ebs-learn



#### **Enterprise Command Center – Quick Start Guide**





https://www.oracle.com/a/ocom/docs/applications/ebusiness/ebs-enterprise-command-center-quick-start-guide.pdf



# Thank You

