

## Discovering Oracle Fusion Data Intelligence

Peter Koutroubis – Executive Vice President of Sales Operations, SMACT Works

Jai Gangwani – BI Solution Architect, SMACT Works

## Future & Past TechCasts:







Our Favorite Features of OAC

Presented by Dan Vlamis & Team





Harnessing Oracle GoldenGate 23ai with Al Automation: A New Era of Intelligent Monitoring, Building, and Diagnostics

Presented by Bobby Curtis

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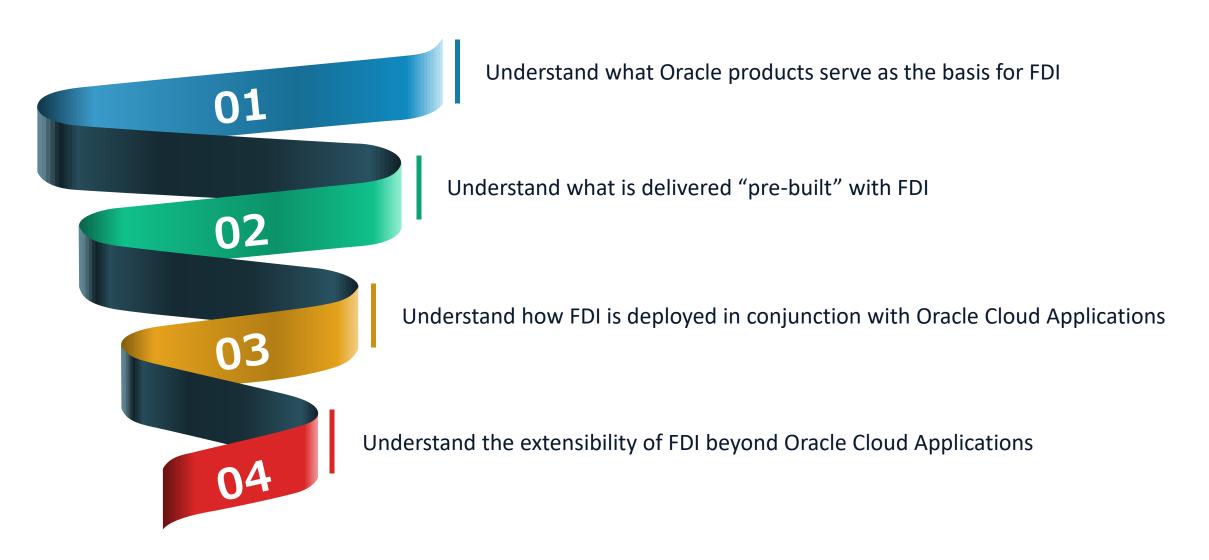




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### **LEARNING OBJECTIVES**





#### ORACLE FDI COMPONENTS



Oracle Fusion Analytics Warehouse (FAW) [formerly called Oracle Analytics for Applications (OAX) and now Fusion Data Intelligence (FDI)] consists of several core components:

- Oracle Cloud Infrastructure Identity and Access Management
- Oracle FDI Console
- Data Pipeline Infrastructure
- Oracle Autonomous Data Warehouse
- Oracle Analytics Cloud.

It has ready-to-use components that Oracle manages and extensible components that you can manage. Though Oracle manages these components, you can customize and extend them:

- Data pipeline to Oracle Fusion Cloud Applications
- Data model
- Semantic model
- Best practice content for dashboards, and reports

# ORACLE FDI COSOLE



Service Administration									
Security	Release Updates	Virus Scanner	క <b>్ట్రి</b> System Settings						
Application Administration									
Reporting Configuration	Data Configuration	Enable Features	Semantic Model Extensions						
Data Validation	ረ <b>ት</b> ን Uploads	무romote Objects	Bundles						
Analytics Server	Analytics Server								
Sessions & Query Caches	<b>ৈ</b> Issue SQL	OAC Console							

#### ORACLE FDI COSOLE DESCRIPTION



You must have the Oracle Fusion Data Intelligence "Service Administrator" role to access the Console and perform administration tasks.

The following table outlines the tasks that you can perform on the Oracle Fusion Data Intelligence Console.

Task	More information
Security	Manage users and their access to subject areas and data. See Manage Users,, GroupsApplication Roles, and Data Access.
Release Updates	Decide and apply the application updates except the emergency patches that are deployed automatically. See Manage Application Updates.
Virus Scanner	Use the Virus Scanner option on the Console in Oracle Fusion Analytics Warehouse to connect to your virus scanning server. See Configure a Virus Scanner.
Advanced Configuration	Advanced data and content configurations will be available in a future release.
Data Configuration	Configure connections to source systems Fusion and managed pipelines. Configure pipeline settings, data augmentations and application specific configurations. See Configure Oracle Fusion Analytics Warehouse Data.
Semantic Model Extensions	Configure extensions and customizations to the semantic model. Join with custom data objects or import external semantic models. See <u>Customize Oracle</u> <u>Fusion Analytics Warehouse</u> .
Data Validation	Validate the data after loading the source data from Oracle Fusion Cloud Applications into your data warehouse. See <u>Validate Oracle Fusion Analytics</u> <u>Warehouse Data</u> .
Uploads	Upload and download data related to security and financial categories to your data warehouse using files. See Manage Uploads and Downloads.
Promote Objects (Deployment)	Promote changes to the semantic model, security configurations, and customized KPIs from non-production to Production environments. See <a href="Promote Your Customizations to the Production Environment">Promote Your Customizations to the Production Environment</a> .
Bundles	Manage snapshots of your application artifacts as bundles. See Bundle Your Application Artifacts.
Session and Query Cache	See which users are signed in and troubleshoot report queries. This is also accessible from the FAW console. See Monitor Users and Activity Logs.
Issue SQL	Test and debug SQL queries. See Run Test SQL Queries.

#### ORACLE FDI DATA PIPELINE



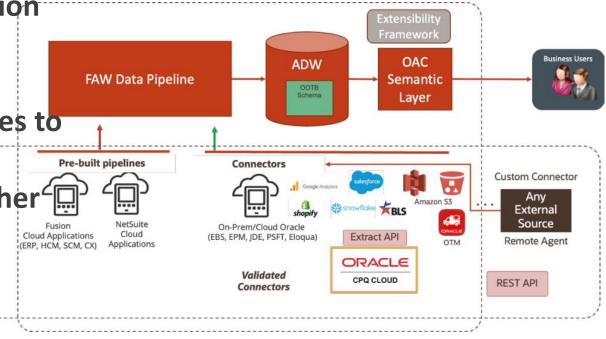
#### **FAW Data Pipeline Infrastructure (DPI)**

 This is a "black box" and is delivered with the product but cannot be modified by the end client.

 This includes all the extraction, transformation and loading features within FDI

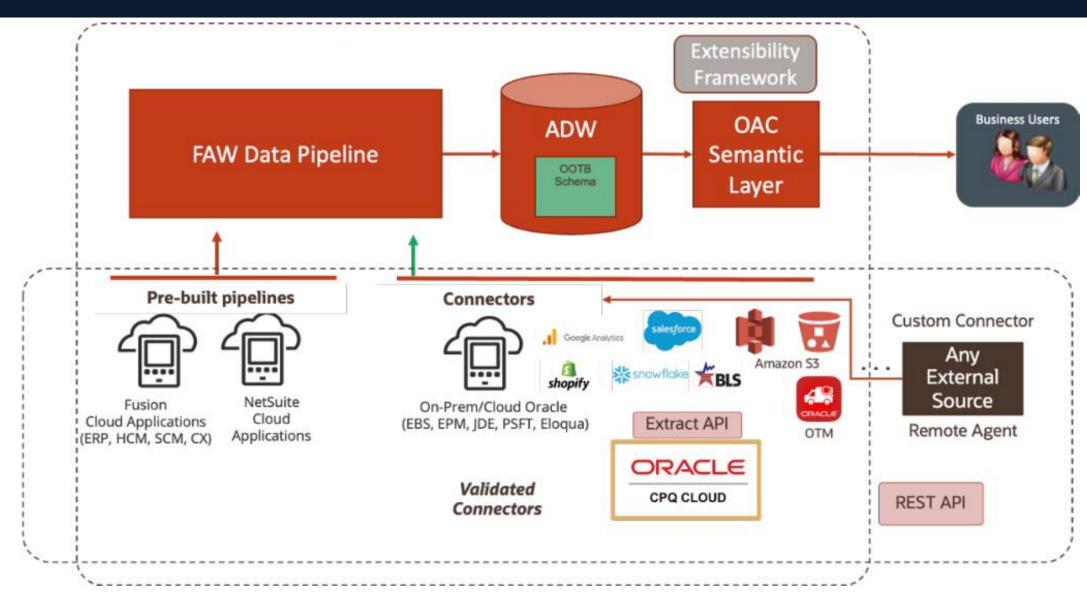
 Oracle Delivers Quarterly updates to Oracle Cloud Applications which can include updates to the DPI

This is not a limitation because there are other ways to create custom content



### **ORACLE FDI DATA PIPELINE**





#### **ORACLE FDI ADW & OAC**



#### **Oracle Autonomous Data Warehouse (ADW)**

- ADW serves as the basis or foundation on which FDI is built and extended
- Easy to connect to ADW using SQL Developer and other tools

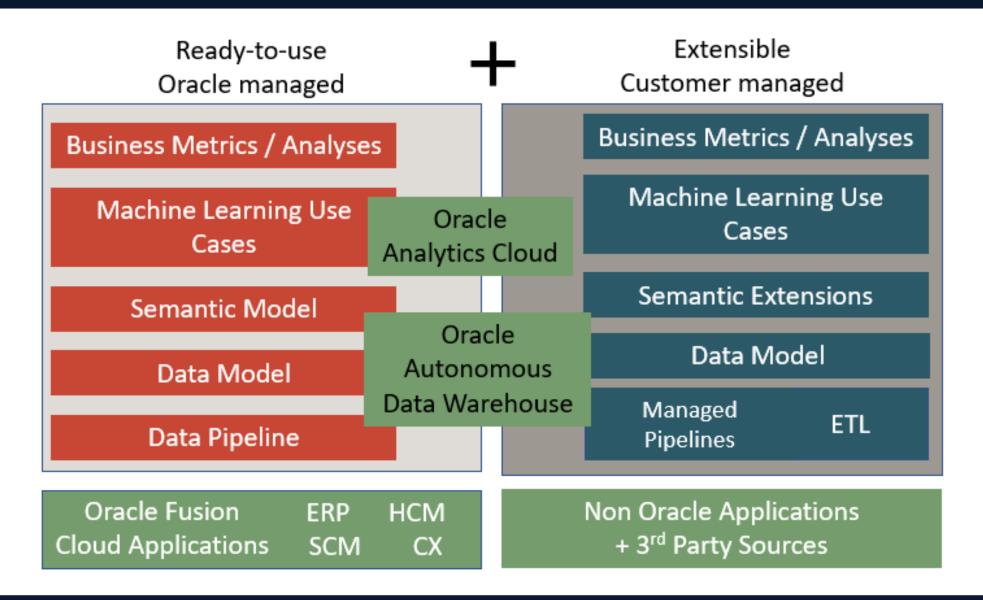
#### **Oracle Analytics Cloud (OAC)**

 Serves as the analytics engine on which the pre-built analytics are built and extended

\***NOTE:** The version of ADW and OAC bundled with FDI is updated in synchronization with fusion applications which differs from stand alone ADW and OAC.

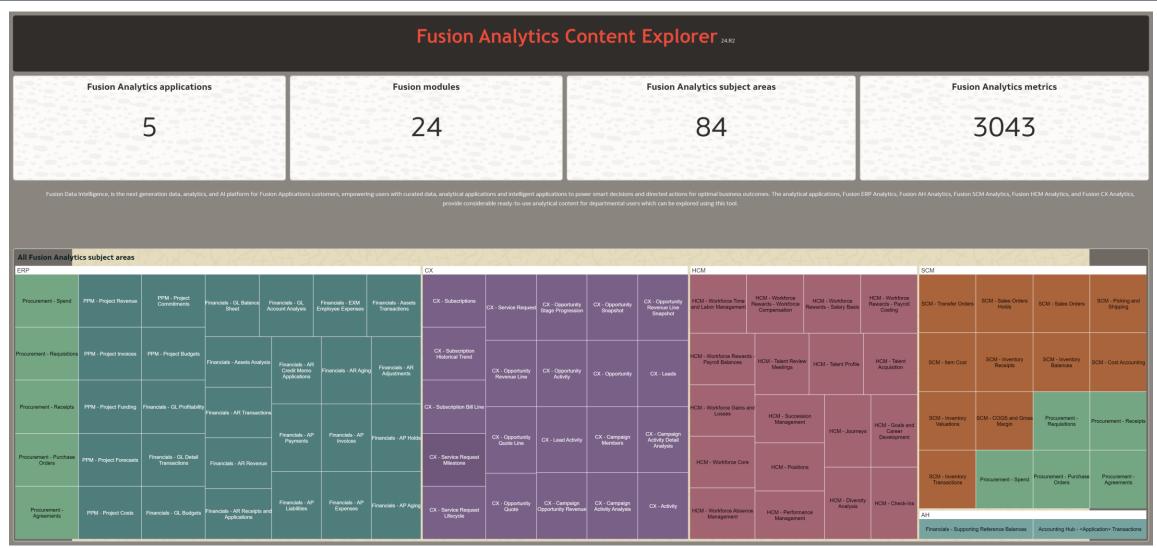
#### **ORACLE FDI PRE-BUILT + CUSTOM**





### ORACLE FDI CONTENT EXPLORER





#### **FDI Content Explorer Link**

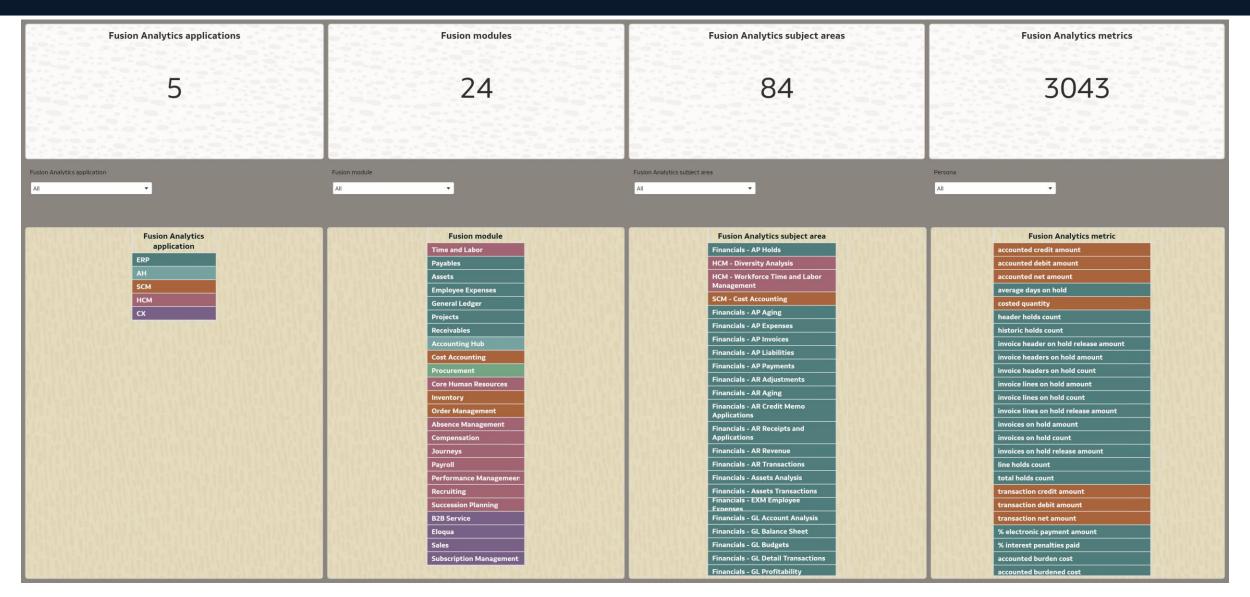
### ORACLE FDI CONTENT EXPLORER



**Fusion Analytics Content Explorer** Home Explore the Content Ready-to-Use Key Metrics Ready-to-Use Workbooks Questions by Persona Subject Area Details Fusion Analytics Content Explorer 24.83 **Fusion modules Fusion Analytics applications Fusion Analytics subject areas Fusion Analytics metrics** 3,383 Fusion Data Intelligence, is the next generation data, analytics, and Al platform for Fusion Applications customers, empowering users with curated data, analytical applications and intelligent applications to power smart decisions and directed actions for optimal business outcomes. The analytical applications, Fusion ERP Analytics, Fusion AH Analytics, Fusion SCM Analytics, Fusion HCM Analytics, and Fusion CX Analytics, provide considerable ready-to-use analytical content for departmental users which can be explored using this tool. All Fusion Analytics subject areas ERP CX HCM SCM HCM-HCM -HCM -HCM -CX - Service Workforce Workforce SCM -Procurement -PPM -Financials -Financials Workforce Workforce SCM - Sales SCM - Sales SCM - Picking Subscription Subscription Request Rewards-Time and Transfer Project **GL Detail** Rewards -Rewards -Spend and Shipping **GL Budgets** Workforce Labor Profitability Transactions Salary Basis Payroll Costin Compensation /lanagemer HCM -HCM -CX - Service Opportunity Workforce HCM - Talent SCM -SCM -Workforce HCM - Worker Inventory Procurement -Opportunity Opportunity Financials -Request Rewards -SCM - Item Financials - GL **Financials** Financials Receipts (Opt Inventory Inventory Requisitions Quote Line Absence Seniority Lifecycle Revenue Line Financials -AR Receipt Meetings Payroll **Balance Sheet** in Generally Balances Management and Balances (M Transacti. Available) Analysis Applications HCM -CX - Lead CX - Leads Workforce HCM -CX - Service HCM - Talent HCM -Procurement -Financials - GL Opportunity Activity Procurement -Procurement -Rewards -Performance Receipts Account Ouote Profile SCM -Financials - AF Positions Requisitions Financials - AP Financials - AP Payroll Management Inventory Credit Memo Balances /aluations CX - Campaign **Activity Detail** HCM -**Analysis** HCM -Workforce HCM - Talent HCM -Procure.

### ORACLE FDI CONTENT EXPLORER

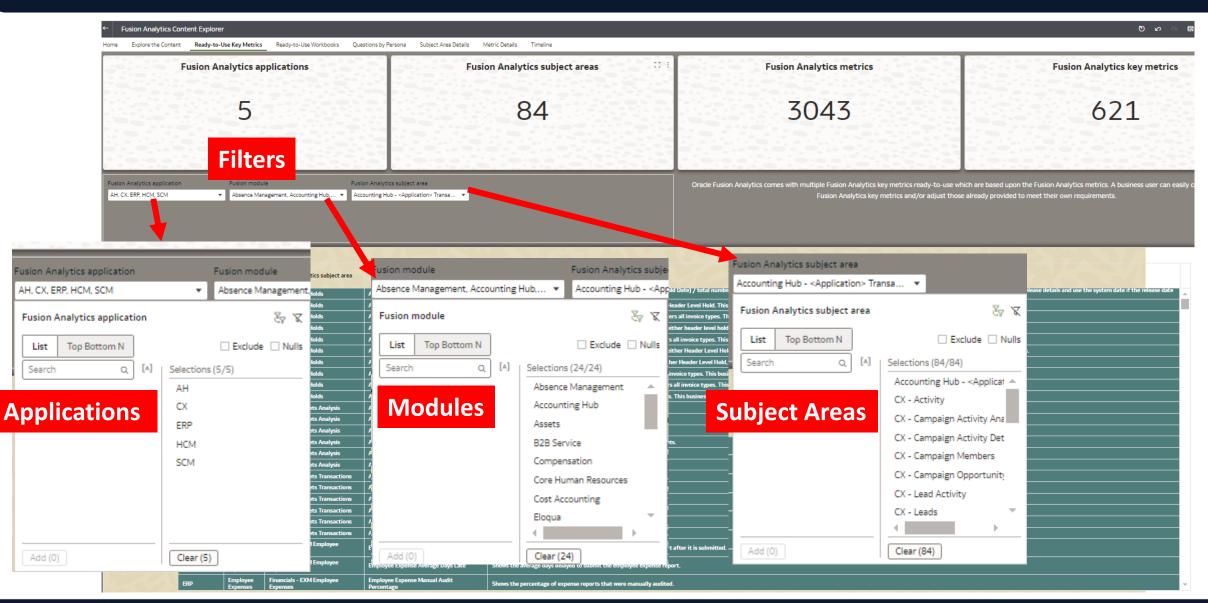




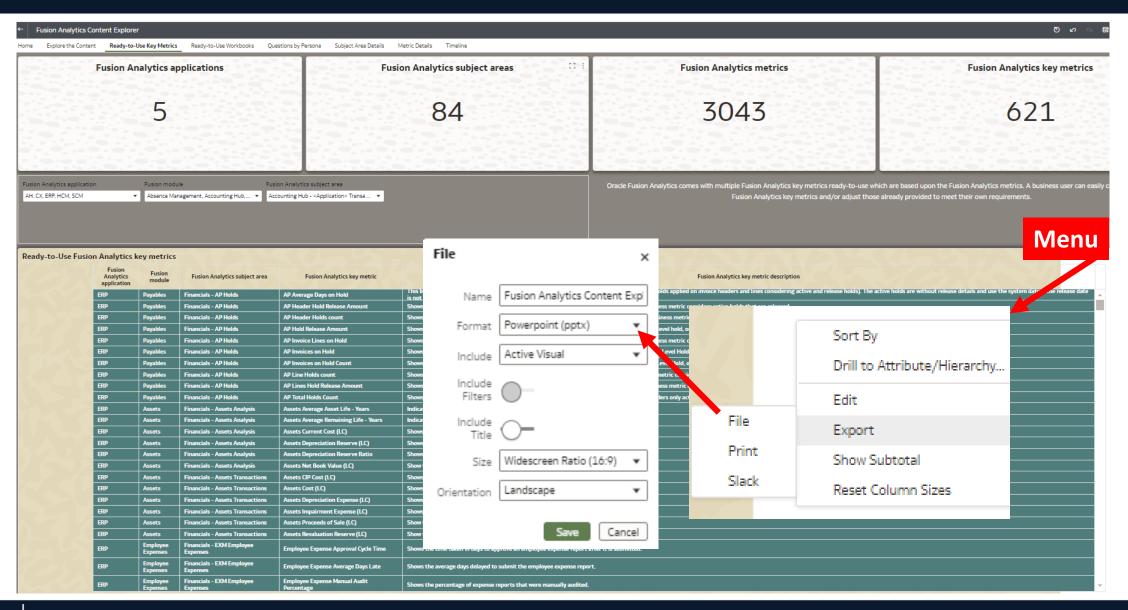




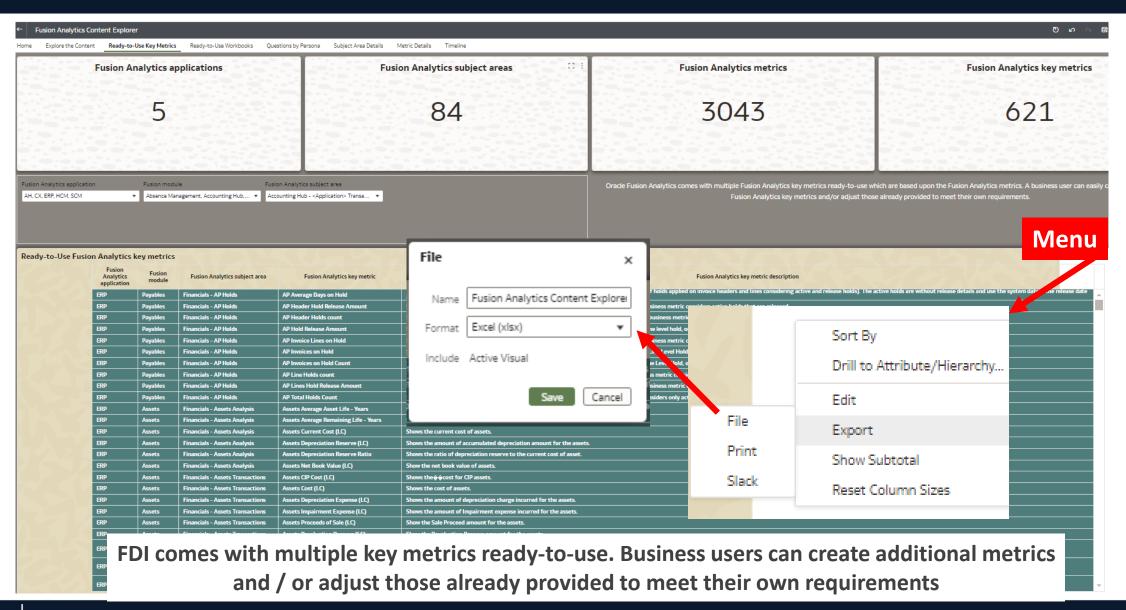






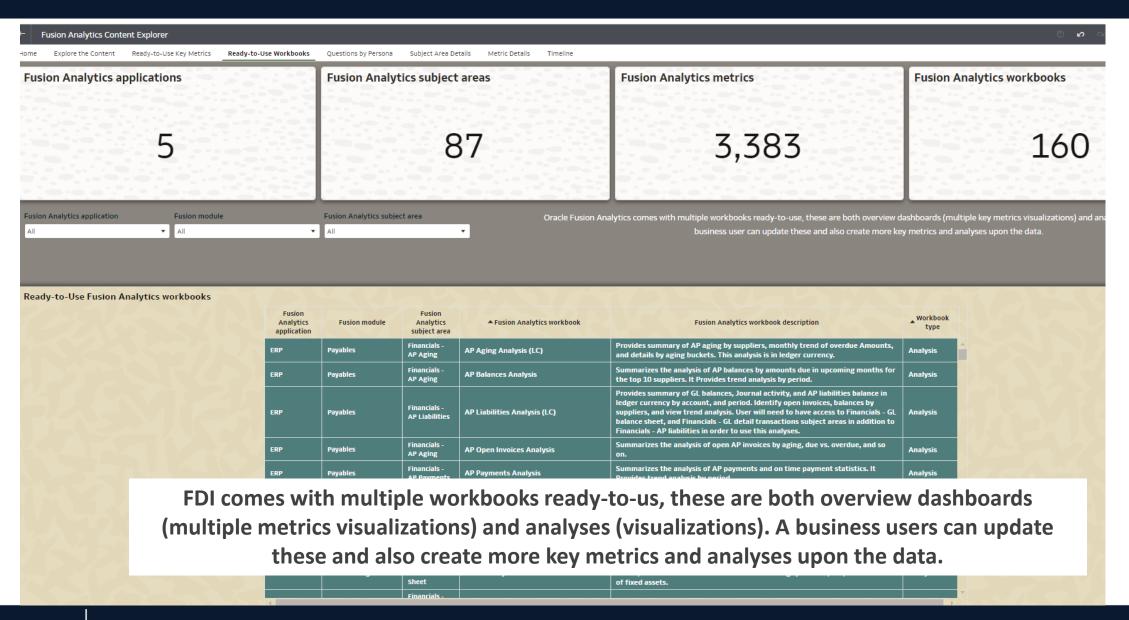






#### **ORACLE FDI Workbooks**





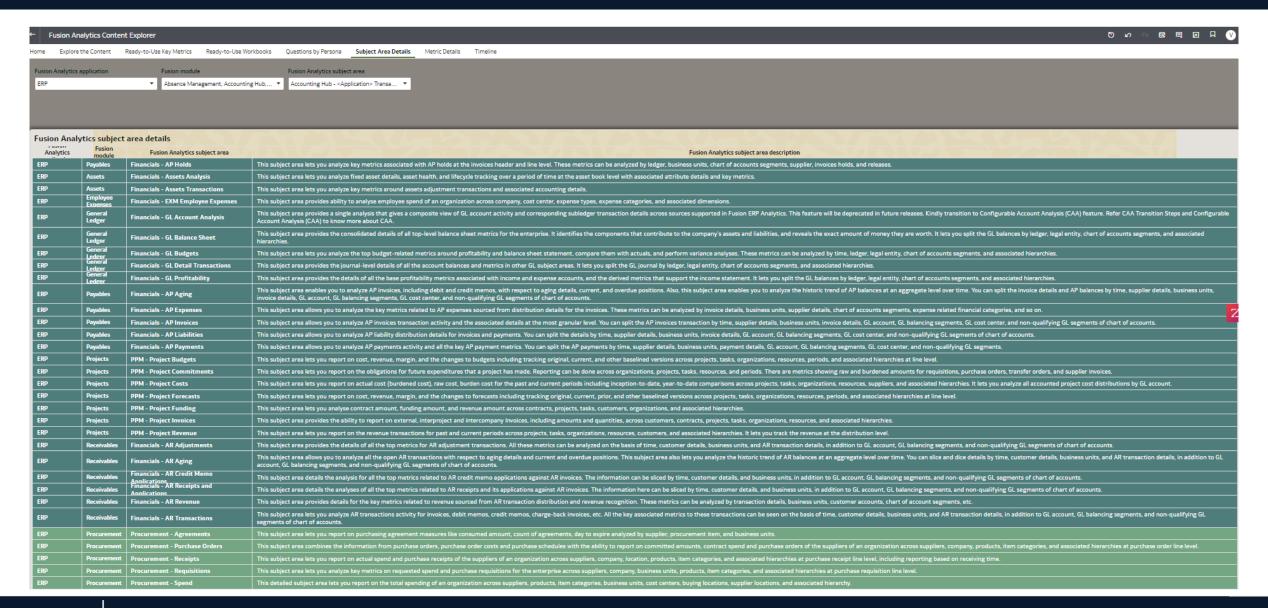
## ORACLE FDI Questions by Persona



Fusion Analytics Content Explorer					
Home Explore the Content Ready-to-Use Key Metrics Ready-to-Use Workbooks	Questions by Persona Subject A	rea Details Met	ric Details Ti	meline	
Persona Fusion Analytics application	Fusion module	Fusion A	Analytics subject	area	
Account Payable Invoice Supervisor, Acc   AH, CX, ERP, HCM, SCM	Absence Management, Accounting H				
			_		
Some of the questions addressed					
	Persona	Fusion Analytics application	Fusion module	Fusion Analytics subject area	Question
	Account Payable Invoice Supervisor	ERP	General Ledger	Financials - GL Account Analysis	How do I analyze GL balances/journals with the ability to get the extended details of subledger transaction attributes and accounting events?
	Account Payable Invoice Supervisor	ERP	General Ledger	Financials - GL Account Analysis	How do I facilitate intuitive drill-to details for GL balances, journals, or subledger transactions for detailed analyses with a minimum number of dicks?
	Account Payable Invoice Supervisor	ERP	General Ledger	Financials - GL Account Analysis	How do I get a consolidated abstract view of GL account activity for a period and associated subledger transaction activity?
	Account Payable Invoice Supervisor	ERP	General Ledger	Financials - GL Account Analysis	How do I monitor GL accounts with respect to accounting and posting activity for all the contributing transactions during an accounting period?
	Account Payable Invoice Supervisor	ERP	General Ledger	Financials - GL Account Analysis	How do I reconcile GL balances/journals and all contributing subledger transactions including manual journals in GL with post-SLA accounting details in a single consolidate report?
	Account Payable Invoice Supervisor	ERP	General Ledger	Financials - GL Account Analysis	How do I support account analyses across multi-period and multi-ledger at detailed or roll-up account levels across chart of account segments?
	Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Aging	How are AP balances trending for a particular supplier over last eight quarters?
	Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Aging	What is the average time available to pay off outstanding AP invoices?
	Account Payable Invoice Supervisor		Payables	Financials - AP Aging	What is the count and value of AP invoices overdue?
	Account Payable Invoice Supervisor		Payables	Financials - AP Aging	What is the summary of AP invoices across aging buckets, count, and value?
	Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Aging	What is the trend of outstanding AP Balances at the consolidated level, supplier level, and business unit level?
	Account Payable Invoice Supervisor	<del>                                     </del>	Payables	Financials - AP Aging	Which are the top 10 suppliers with the maximum AP outstanding?
	Account Payable Invoice Supervisor	<del></del>	Payables	Financials - AP Expenses	What is the amount of AP expenses by each business unit?
	Account Payable Invoice Supervisor		Payables	Financials - AP Expenses	What is the distribution of AP expenses by each of the cost centers?
	Account Payable Invoice Supervisor		Payables	Financials - AP Expenses	What is the distribution of AP expenses by the top 10 suppliers?
	Account Payable Invoice Supervisor		Payables	Financials - AP Expenses	What is the distribution of AP expenses by the top five natural accounts or financial categories?
	Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Expenses	What is the trend of AP expenses for the past six quarters?
	Account Payable Invoice Supervisor		Payables	Financials - AP Invoices	What are the invoice types processed by the AP department and the payment methods used to understand the downstream activities?
	Account Payable Invoice Supervisor		Payables	Financials - AP Invoices	What is the analysis around payment terms by transaction type and transaction source for the invoices processed?
	Account Payable Invoice Supervisor		Payables	Financials - AP Invoices	What is the count and amount of invoices processed for the period by business units and trend comparison?
	Account Payable Invoice Supervisor		Payables	Financials - AP Invoices	What is the number of invoices paid vs. unpaid including partly paid with amount?
	Account Payable Invoice Supervisor		Payables	Financials - AP Invoices	What is the validation, approval, and accounting status of invoices processed during the period?
	Account Payable Invoice Supervisor		Payables	Financials - AP Liabilities	What are the liabilities distribution details of AP Balances?
	Account Payable Invoice Supervisor		Payables	Financials - AP Liabilities	What is the accounting status of liability distributions by invoices?
	Account Payable Invoice Supervisor		Payables	Financials - AP Payments	What are the interest penalties paid by amount and percentage?
	Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Payments	What is count and amount of overdue payments?
	Account Payable Invoice Supervisor		Payables	Financials - AP Payments	What is the average supplier payment days by business unit?
	Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Payments	What is the count and amount of payments processed for the period by business units and trend comparison?
	Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Payments	What is the ratio of on-time payment performance?
	Account Payable Payment Supervisor	ERP	General Ledger	Financials - GL Account Analysis	How do I analyze GL balances/journals with the ability to get the extended details of subledger transaction attributes and accounting events?
	Account Payable Payment Supervisor	ERP	General Ledger	Financials - GL Account Analysis	How do I facilitate intuitive drill-to details for GL balances, journals, or subledger transactions for detailed analyses with a minimum number of clicks?
	Account Payable Payment Supervisor	ERP	General Ledger	Financials - GL Account Analysis	How do I get a consolidated abstract view of GL account activity for a period and associated subledger transaction activity?

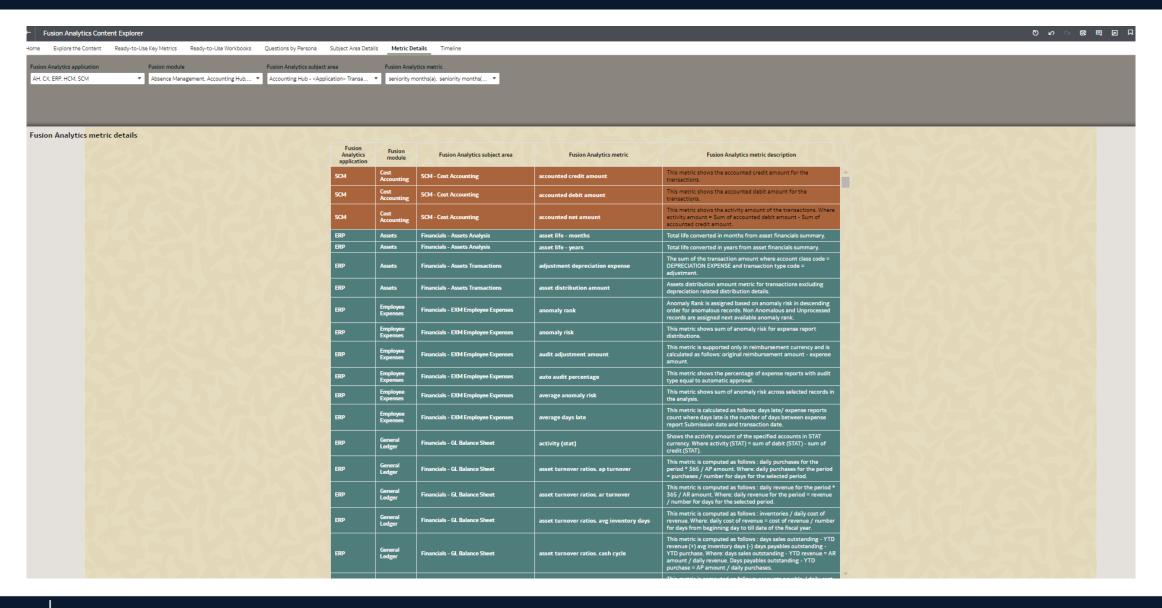
### ORACLE FDI Subject Area Detail





### ORACLE FDI Metric Details

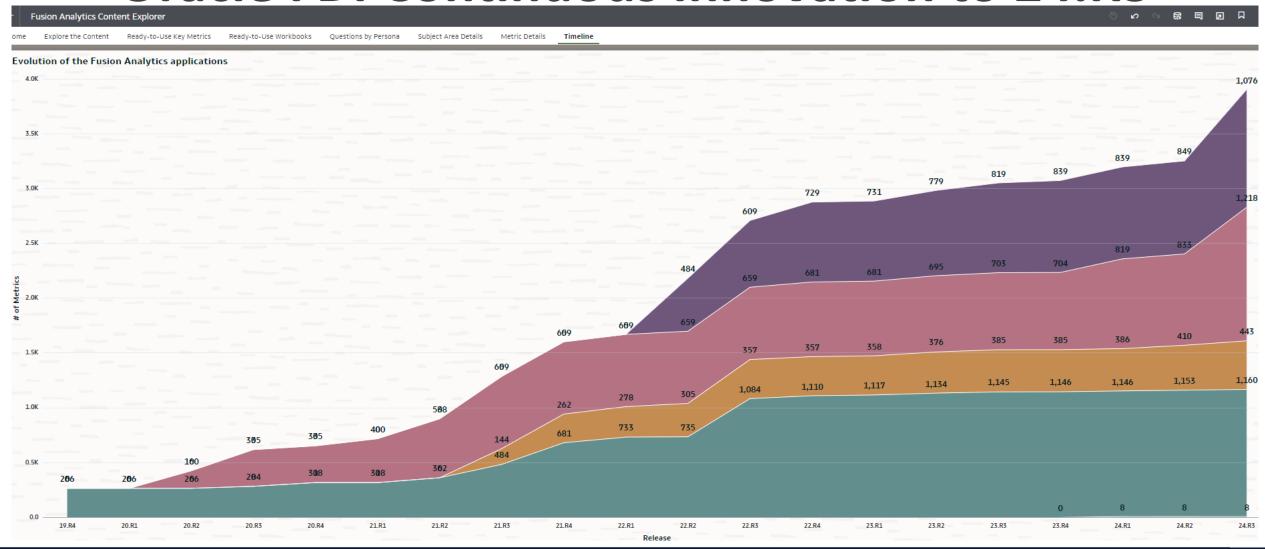




## ORACLE FDI EVOLUTION

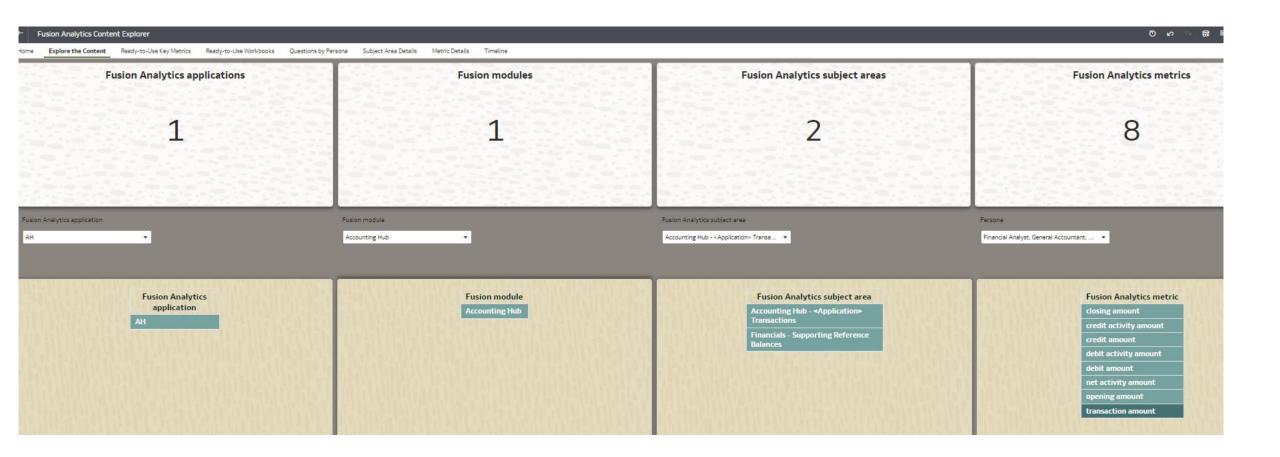


## **Oracle FDI Continuous Innovation to 24.R3**



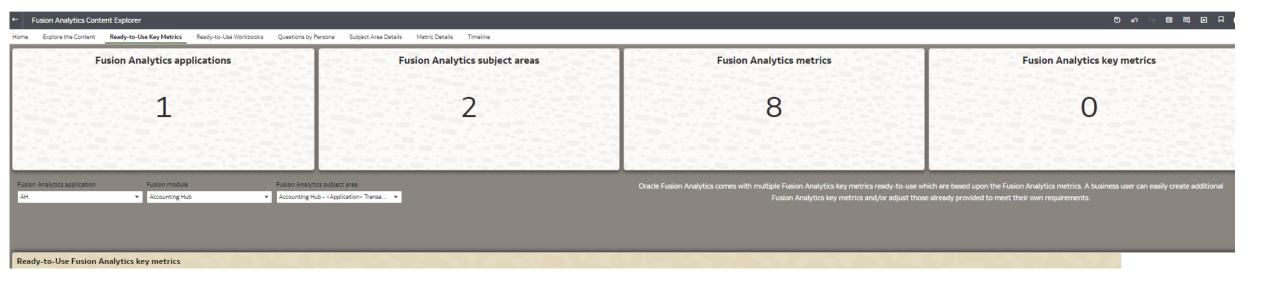
### ORACLE FDI - Accounting HUB (AH) Content





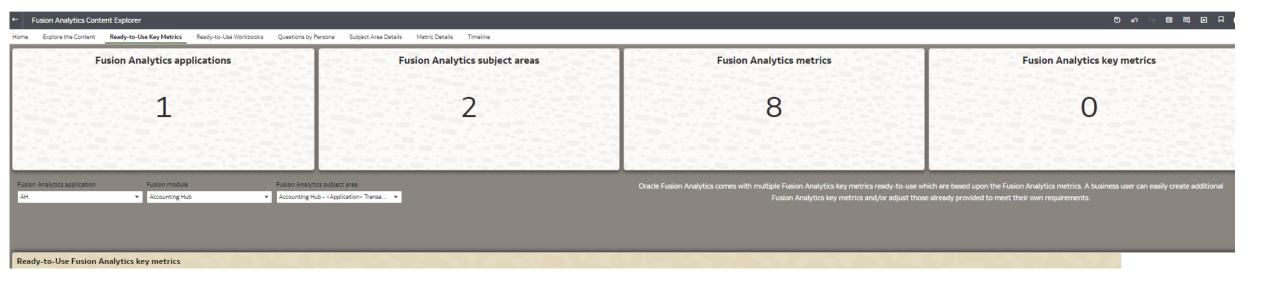
### ORACLE FDI – AH Key Metrics





### ORACLE FDI – AH Workbooks





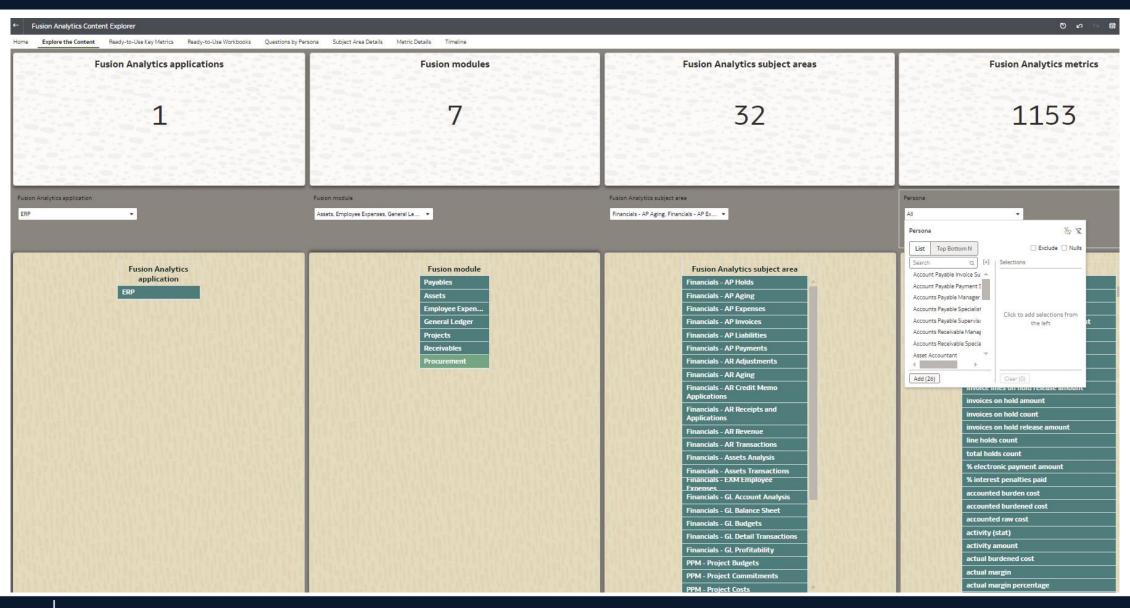
# ORACLE FDI – AH Personas



← Fusion Analytics Content Explorer					
Home Explore the Content Ready-to-Use Key Metrics Ready-to-Use Workbooks	Questions by Persona	Subject Area Details	Metric Deta	ils Timeline	
Persona Fusion Analytics application	Fusion module		Fusion Analytic	cs subject area	
Financial Analyst, General Accountant, ▼ AH	▼ Accounting Hub	*	Accounting Hu	ub - <application> Transa ▼</application>	
Some of the que <mark>stions addressed</mark>		VAS/A			
	Persona	Fusion Analytics application	Fusion module	Fusion Analytics subject area	Question
THE SOUND	Financial Analyst	АН	Accounting Hub	Accounting Hub - <application> Transactions</application>	Can I control access to custom subledger application data and assign it to the target functional user group?
	Financial Analyst	АН	Accounting Hub	Accounting Hub - <application> Transactions</application>	Can I drilldown to customer subledger applications transactions for a GL account combination?
	Financial Analyst	АН	Accounting Hub	Accounting Hub - <application> Transactions</application>	How do I analyze source equivalent transactional data corresponding to the custom subledger application?
THE PARTY OF THE P	Financial Analyst	AH	Accounting Hub	Accounting Hub - <application> Transactions</application>	How do I get detailed insights and access to transactional attribute information that isn't part of the accounting details for custom subledger applications?\
	Financial Analyst	АН	Accounting Hub	Financials - Supporting Reference Balances	How do I enrich the GL trial balance information by additional management reporting dimensions?
14A7 6V 5K 11	Financial Analyst	АН	Accounting Hub	Financials - Supporting Reference Balances	How do I track the balances and period activity for supporting references by journal sources?
7 6 7 2 K 7 R 3	Financial Analyst	AH	Accounting Hub	Financials - Supporting Reference Balances	How do I track the historic trend and activity for balance type supporting references?
	Financial Analyst	AH	Accounting Hub	Financials - Supporting Reference Balances	What are the consolidated balances for individual supporting references across sources?
	General Accountant	АН	Accounting Hub	Accounting Hub - <application> Transactions</application>	Can I control access to custom subledger application data and assign it to the target functional user group?
	General Accountant	AH	Accounting Hub	Accounting Hub - <application> Transactions</application>	Can I drilldown to customer subledger applications transactions for a GL account combination?
	General Accountant	AH	Accounting Hub	Accounting Hub - <application> Transactions</application>	How do I analyze source equivalent transactional data corresponding to the custom subledger application?
	General Accountant	AH	Accounting Hub	Accounting Hub - <application> Transactions</application>	How do I get detailed insights and access to transactional attribute information that isn't part of the accounting details for custom subledger applications?\
	General Accountant	АН	Accounting Hub	Financials - Supporting Reference Balances	How do I enrich the GL trial balance information by additional management reporting dimensions?
	General Accountant	АН	Accounting Hub	Financials - Supporting Reference Balances	How do I track the balances and period activity for supporting references by journal sources?
	General Accountant	АН	Accounting Hub	Financials - Supporting Reference Balances	How do I track the historic trend and activity for balance type supporting references?
K (CCC)	General Accountant	АН	Accounting Hub	Financials - Supporting Reference Balances	What are the consolidated balances for individual supporting references across sources?
PAS VIIIO	General Accounting Manager	АН	Accounting Hub	Accounting Hub - <application> Transactions</application>	Can I control access to custom subledger application data and assign it to the target functional user group?
	General Accounting Manager	АН	Accounting Hub	Accounting Hub - <application> Transactions</application>	Can I drilldown to customer subledger applications transactions for a GL account combination?
	General Accounting Manager	АН	Accounting Hub	Accounting Hub - <application> Transactions</application>	How do I analyze source equivalent transactional data corresponding to the custom subledger application?
	General Accounting Manager	АН	Accounting Hub	Accounting Hub - <application> Transactions</application>	How do I get detailed insights and access to transactional attribute information that isn't part of the accounting details for custom subledger applications?\
	General Accounting Manager	AH	Accounting Hub	Financials - Supporting Reference Balances	How do I enrich the GL trial balance information by additional management reporting dimensions?
	General Accounting Manager	АН	Accounting Hub	Financials - Supporting Reference Balances	How do I track the balances and period activity for supporting references by journal sources?
7/24/5/24/5/4	General Accounting Manager	АН	Accounting Hub	Financials - Supporting Reference Balances	How do I track the historic trend and activity for balance type supporting references?
	General Accounting	AH	Accounting	Financials - Supporting Reference	What are the consolidated balances for individual supporting references across sources?

### **ORACLE FDI – ERP Content**





# ORACLE FDI – ERP Content



ERP .*											
Procurement - Spend	Procurement - Purchase Orders	PPM - Project Invoices	PPM - Project Costs	Financials - GL Profitability	Financials - GL Balance Sheet	Financials - Assets Transactions	Financials - AR Revenue	Financials - AR Aging	Financials - AP Liabilities	Financials - AP Invoices	
Procurement - Requisitions	Procurement - Agreements	PPM - Project Funding	PPM - Project Commitments	Financials - GL Detail Transactions	Financials - GL Account Analysis	Financials - Assets Analysis	Financials - AR Receipts and Applications	Financials - AR Adjustments	Financials - AP Holo		
Procurement - Receipts	PPM - Project Revenue	PPM - Project Forecasts	PPM - Project Budgets	Financials - GL Budgets	Financials - EXM Employee Expenses	Financials - AR Transactions	Financials - AR Credit Memo Applications	Financials - AP Payments	Financials - AP Expen	Financials - AP Aging	

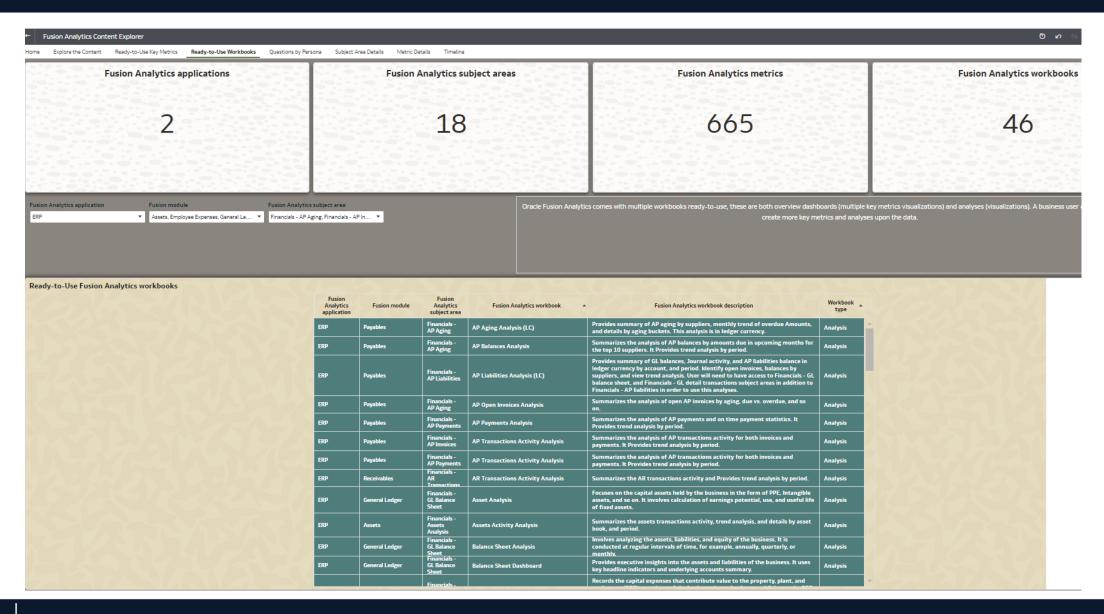
# ORACLE FDI – ERP Key Metrics



		Key Metrics	ready-to-Use Workbooks Ques	tions by Persona Subject Area Details	i Metric Details   Timeline						
	Fusion Analytics applications Fu				Fusion Analytics subject areas	Fusion Analytics metrics	Fusion Analytics key me				
		1			31	1133	358				
on Analytics application		usion module		n Analytics subject area ncials - AP Aging, Financials - AP Ex •		Oracle Fusion Analytics comes with multiple Fusion Analytics key metrics ready-to-use wh					
	•	Assets, General Le	oger, Payables, Procu Final	iciais - Ar Aging, Financiais - Ar Ex 🔻		Fusion Analytics key metrics and/or adjust those	already provided to meet their own requirements.				
An Una Fresian	A						VA UNIVINA				
y-to-Use Fusion	-	metrics									
	Fusion Analytics application	Fusion module	Fusion Analytics subject area	Fusion Analytics key metric		Fusion Analytics key metric description					
	ERP	Payables	Financials - AP Holds	AP Average Days on Hold	This business metric is computed as follows: (Sum (Kelease Date - Hold Date) / is not available.	total number of holds applied on invoice headers and lines considering active and release holds). The active h	olds are without release details and use the system date if the release date				
	ERP	Payables	Financials - AP Holds	AP Header Hold Release Amount	Shows the invoice amount and considers all invoice types that have Header Lev	el Hold. This business metric considers active holds that are released.					
	ERP	Payables	Financials - AP Holds	AP Header Holds count	Shows the header hold count which has header level hold and considers all invo	all invoice types. This business metric considers only active holds which don't have release details. Her header level hold, line level hold, or a combination. This business metric considers only active holds that are released.					
	ERP	Payables	Financials - AP Holds	AP Hold Release Amount	Shows the invoice amount and considers all invoice types that have either head						
	ERP	Payables	Financials - AP Holds	AP Invoice Lines on Hold		h has line level hold and considers all invoice types. This business metric considers only active holds which don't have release details. iders all invoice types that have either Header Level Hold, Line Level Hold, or a combination. This business metric considers only active holds that don't have release details.					
	ERP	Payables	Financials - AP Holds	AP Invoices on Hold							
		Payables	Financials - AP Holds	AP Invoices on Hold Count	Shows the invoice count and considers all invoice types that have either Header	onsiders all invoice types that have either Header Level Hold, Line Level Hold, or a combination. This business metric considers only active holds that don't have release details.					
	ERP	- Layables				Level Hold, Line Level Hold, or a combination. This business metric considers only active holds that don't have	ve release details.				
	ERP ERP	Payables	Financials - AP Holds	AP Line Holds count		es. This business metric considers only active holds which don't have release details.	re release details.				
	ERP ERP		Financials - AP Holds	AP Lines Hold Release Amount	Shows the invoice line amount which had line level hold and considers all invoice	es. This business metric considers only active holds which don't have release details. e types. This business metric considers active holds that are released.	re release details.				
	ERP ERP ERP	Payables				es. This business metric considers only active holds which don't have release details. e types. This business metric considers active holds that are released.	re release details.				
	ERP ERP ERP ERP	Payables	Financials - AP Holds Financials - AP Holds Financials - Assets Analysis	AP Lines Hold Release Amount  AP Total Holds Count  Assets Average Asset Life - Years	Shows the invoice line amount which had line level hold and considers all invoic Shows the total number of holds applied on invoice headers and lines. This busi Indicates the average life of assets in eyears.	es. This business metric considers only active holds which don't have release details. e types. This business metric considers active holds that are released.	re release details.				
	ERP ERP ERP ERP ERP	Payables Payables Payables	Financials - AP Holds Financials - AP Holds	AP Lines Hold Release Amount AP Total Holds Count	Shows the invoice line amount which had line level hold and considers all invoice.  Shows the total number of holds applied on invoice headers and lines. This business are the statement of the	es. This business metric considers only active holds which don't have release details. e types. This business metric considers active holds that are released.	e release details.				
		Payables Payables Payables Assets	Financials - AP Holds Financials - AP Holds Financials - Assets Analysis	AP Lines Hold Release Amount  AP Total Holds Count  Assets Average Asset Life - Years Assets Average Remaining Life -	Shows the invoice line amount which had line level hold and considers all invoic Shows the total number of holds applied on invoice headers and lines. This busi Indicates the average life of assets in eyears.	es. This business metric considers only active holds which don't have release details. e types. This business metric considers active holds that are released.	e release details.				
	ERP ERP	Payables Payables Payables Assets Assets Assets Assets	Financials - AP Holds Financials - AP Holds Financials - ASsets Analysis Financials - Assets Analysis Financials - Assets Analysis Financials - Assets Analysis	AP Lines Hold Release Amount AP Total Holds Count Assets Average Asset Life - Years Assets Average Remaining Life - Years Assets Current Cost (LC) Assets Depreciation Reserve (LC)	Shows the invoice line amount which had line level hold and considers all invoic Shows the total number of holds applied on invoice headers and lines. This busi Indicates the average life of assets in eyears. Indicates the average remaining life of assets in years. Shows the current cost of assets. Shows the amount of accumulated depreciation amount for the assets.	es. This business metric considers only active holds which don't have release details. e types. This business metric considers active holds that are released.	e release details.				
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	ERP ERP	Payables Payables Payables Assets Assets Assets Assets	Financials - AP Holds Financials - AP Holds Financials - Assets Analysis	AP Lines Hold Release Amount AP Total Holds Count Assets Average Asset Life - Years Assets Average Remaining Life - Years Assets Current Cost (LC) Assets Depreciation Reserve (LC)	Shows the invoice line amount which had line level hold and considers all invoic Shows the total number of holds applied on invoice headers and lines. This busi Indicates the average life of assets in eyears. Indicates the average remaining life of assets in years. Shows the current cost of assets. Shows the amount of accumulated depreciation amount for the assets.	es. This business metric considers only active holds which don't have release details. e types. This business metric considers active holds that are released.	re release details.				
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	ERP ERP ERP ERP ERP ERP ERP ERP	Payables Payables Payables Payables Assets	Financials - AP Holds Financials - AP Holds Financials - Assets Analysis Financials - Assets Transactions Financials - Assets Financials	AP Lines Hold Release Amount AP Total Holds Count Assets Average Asset Life - Years Assets Average Remaining Life - Years Assets Average Remaining Life - Years Assets Depreciation Reserve (LC) Assets Depreciation Reserve Ratio Assets Depreciation Reserve Ratio Assets CPF Cost (LC) Assets CPF Cost (LC) Assets CPF Cost (LC) Assets Depreciation Expense (LC) Assets Impairment Expense (LC) Assets Proceeds of Sale (LC)	Shows the invoice line amount which had line level hold and considers all invoic Shows the total number of holds applied on invoice headers and lines. This busi Indicates the average life of assets in dypars. Indicates the average remaining life of assets in years. Shows the current cost of assets. Shows the current cost of assets. Shows the amount of accumulated depreciation amount for the assets. Shows the ratio of depreciation reserve to the current cost of asset. Shows the het book value of assets. Shows the dy-cost for CIP assets. Shows the cost of assets. Shows the cost of assets. Shows the amount of depreciation charge incurred for the assets. Shows the amount of lapariment expense incurred for the assets. Show the Sale Proceed amount for the assets.	es. This business metric considers only active holds which don't have release details.  e types. This business metric considers active holds that are released.  ness metric considers only active holds which are without release details.	e release details.				
	ERP	Payables Payables Payables Payables Assets	Financials - AP Holds Financials - AP Holds Financials - Assets Analysis Financials - Assets Transactions	AP Lines Hold Release Amount AP Total Holds Count Assets Average Asset Life - Years Assets Average Remaining Life - Years Assets Larent Cost (LC) Assets Depreciation Reserve (LC) Assets Depreciation Reserve Ratio Assets ST Depreciation Reserve Ratio Assets CIP Cost (LC) Assets CIP Cost (LC) Assets Depreciation Expense (LC) Assets Impairment Expense (LC) Assets Impairment Expense (LC) Assets Proceeds of Sale (LC) Assets Revaluation Reserve (LC)	Shows the invoice line amount which had line level hold and considers all invoic Shows the total number of holds applied on invoice headers and lines. This busi Indicates the average life of assets in eyears.  Indicates the average remaining life of assets in years.  Shows the current cost of assets.  Shows the amount of accumulated depreciation amount for the assets.  Shows the ratio of depreciation reserve to the current cost of asset.  Shows the net book value of assets.  Shows the eye cost for CIP assets.  Shows the depreciation that ge incurred for the assets.  Shows the amount of depreciation charge incurred for the assets.  Shows the amount of Impairment expense incurred for the assets.  Show the Sale Proceed amount for the assets.	es. This business metric considers only active holds which don't have release details.  e types. This business metric considers active holds that are released.  ness metric considers only active holds which are without release details.	e release details.				

## ORACLE FDI – ERP Workbooks





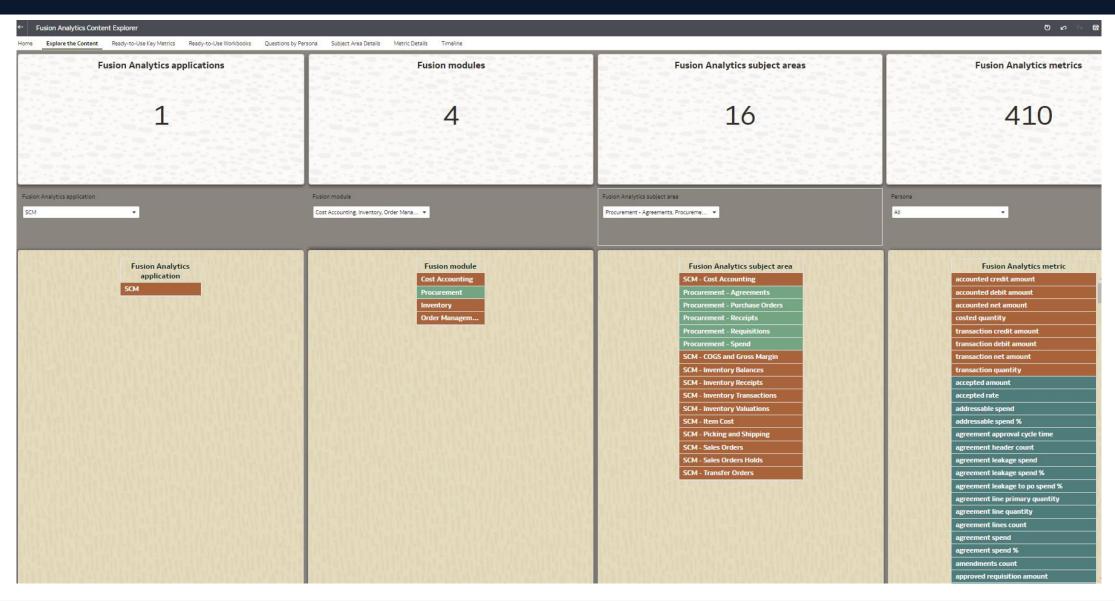
# ORACLE FDI – Personas



← Fusion Analytics Content Explorer				
Home Explore the Content Ready-to-Use Key Metrics Ready-to-Use Workbooks Questions by Persona Subject Ar	rea Details Met	ric Details Tir	neline	
Persona Fusion Analytics application Fusion module	Fusion 4	Analytics subject a	area	
Account Payable Invoice Supervisor, Acc   ERP  Assets, Employee Expenses, General	_		nancials - AP Ex ▼	
Austra, Employee Expenses, General	Titlanci	and - All Aging, I'll	initials of Ex	
	_	_	_	
Some of the questions addressed				
Persona	Fusion Analytics application	Fusion module	Fusion Analytics subject area	Question
Account Payable Invoice Supervisor	ERP	General Ledger	Financials - GL Account Analysis	How do I analyze GL balances/journals with the ability to get the extended details of subledger transaction attributes and accounting events?
Account Payable Invoice Supervisor	ERP	General Ledger	Financials - GL Account Analysis	How do I facilitate intuitive drill-to details for GL balances, journals, or subledger transactions for detailed analyses with a minimum number of clicks?
Account Payable Invoice Supervisor	ERP	General Ledger	Financials - GL Account Analysis	How do I get a consolidated abstract view of GL account activity for a period and associated subledger transaction activity?
Account Payable Invoice Supervisor	ERP	General Ledger	Financials - GL Account Analysis	How do I monitor GL accounts with respect to accounting and posting activity for all the contributing transactions during an accounting period?
Account Payable Invoice Supervisor	ERP	General Ledger	Financials - GL Account Analysis	How do I reconcile GL balances/journals and all contributing subledger transactions including manual journals in GL with post-SLA accounting details in a single consolidate report?
Account Payable Invoice Supervisor	ERP	General Ledger	Financials - GL Account Analysis	How do I support account analyses across multi-period and multi-ledger at detailed or roll-up account levels across chart of account segments?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Aging	How are AP balances trending for a particular supplier over last eight quarters?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Aging	What is the average time available to pay off outstanding AP invoices?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Aging	What is the count and value of AP invoices overdue?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Aging	What is the summary of AP invoices across aging buckets, count, and value?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Aging	What is the trend of outstanding AP Balances at the consolidated level, supplier level, and business unit level?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Aging	Which are the top 10 suppliers with the maximum AP outstanding?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Expenses	What is the amount of AP expenses by each business unit?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Expenses	What is the distribution of AP expenses by each of the cost centers?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Expenses	What is the distribution of AP expenses by the top 10 suppliers?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Expenses	What is the distribution of AP expenses by the top five natural accounts or financial categories?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Expenses	What is the trend of AP expenses for the past six quarters?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Invoices	What are the invoice types processed by the AP department and the payment methods used to understand the downstream activities?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Invoices	What is the analysis around payment terms by transaction type and transaction source for the invoices processed?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Invoices	What is the count and amount of invoices processed for the period by business units and trend comparison?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Invoices	What is the number of invoices paid vs. unpaid including partly paid with amount?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Invoices	What is the validation, approval, and accounting status of invoices processed during the period?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Liabilities	What are the liabilities distribution details of AP Balances?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Liabilities	What is the accounting status of liability distributions by invoices?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Payments	What are the interest penalties paid by amount and percentage?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Payments	What is count and amount of overdue payments?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Payments	What is the average supplier payment days by business unit?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Payments	What is the count and amount of payments processed for the period by business units and trend comparison?
Account Payable Invoice Supervisor	ERP	Payables	Financials - AP Payments	What is the ratio of on-time payment performance?
Account Payable Invoice Supervisor	ERP	Procurement	Procurement - Spend	How much did the organization spend with suppliers, commodities, buyers, cost center, contracts versus non contracts and leakage?
Account Payable Invoice Supervisor	ERP	Procurement	Procurement - Spend	How much did the organization spend with suppliers, commodities, buyers, cost center, contracts vs. non contracts, leakage etc.?
Account Payable Invoice Supervisor	ERP	Procurement	Procurement - Spend	Identify items and categories with cost-saving potential in procurement operations based on prices.
Account Payable Invoice Supervisor	ERP	Procurement	Procurement - Spend	Identify items, categories, and suppliers with compliance issues in their purchase agreements.
Account Payable Invoice Supervisor	ERP	Procurement	Procurement - Spend	Identify the items and categories with cost-saving potential in procurement operations based on price?

### ORACLE FDI – SCM Content





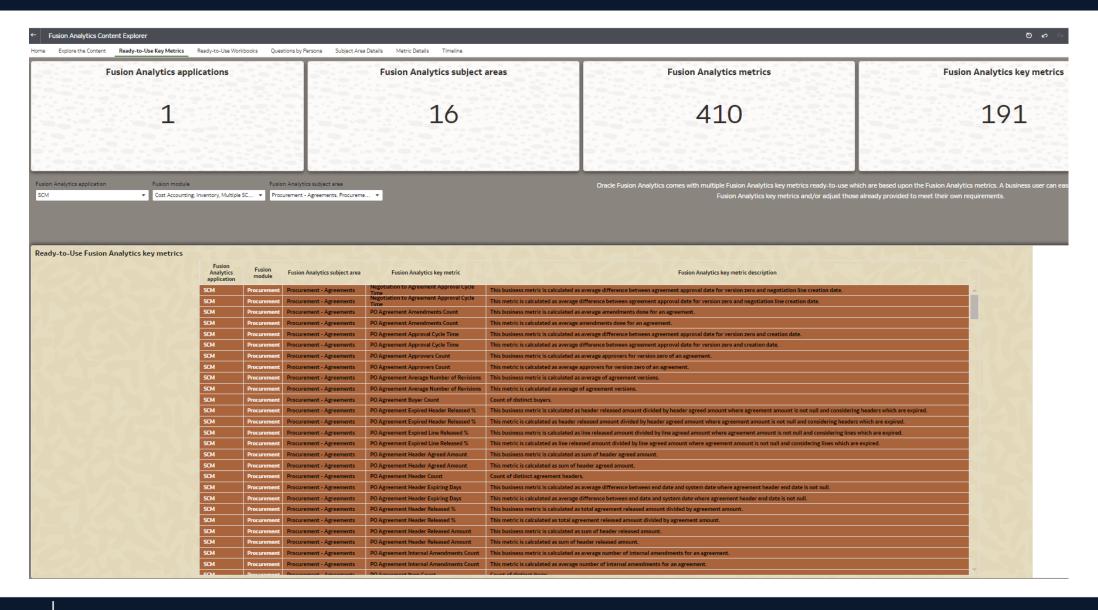
# ORACLE FDI – SCM Content



SCM							*
SCM - Transfer Orders	SCM - Sales Orders	SCM - Item Cost	SCM - Inventory Transactions	SCM - Inventory Balances	Procurement - Spend	Procurement - Receipts	Procurement - Purchase Orders
SCM - Sales Orders Holds	SCM - Picking and Shipping	SCM - Inventory Valuations	SCM - Inventory Receipts	SCM - COGS and Gross Margin	Procurement - Requisitions	Procurement	- Agreements

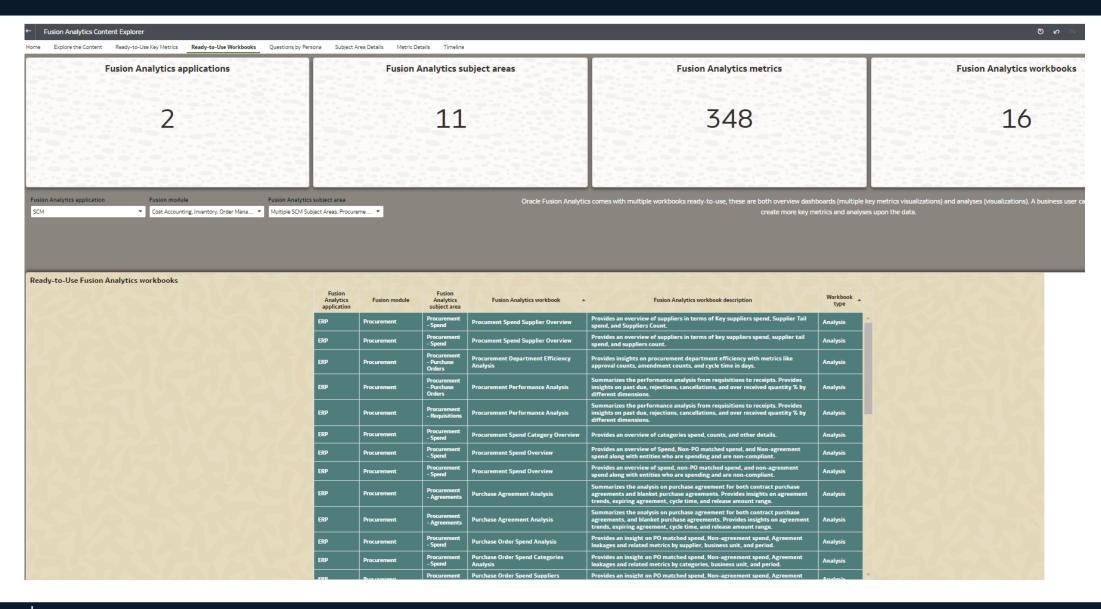
### **ORACLE FDI – SCM Key Metrics**





### **ORACLE FDI – SCM Workbooks**





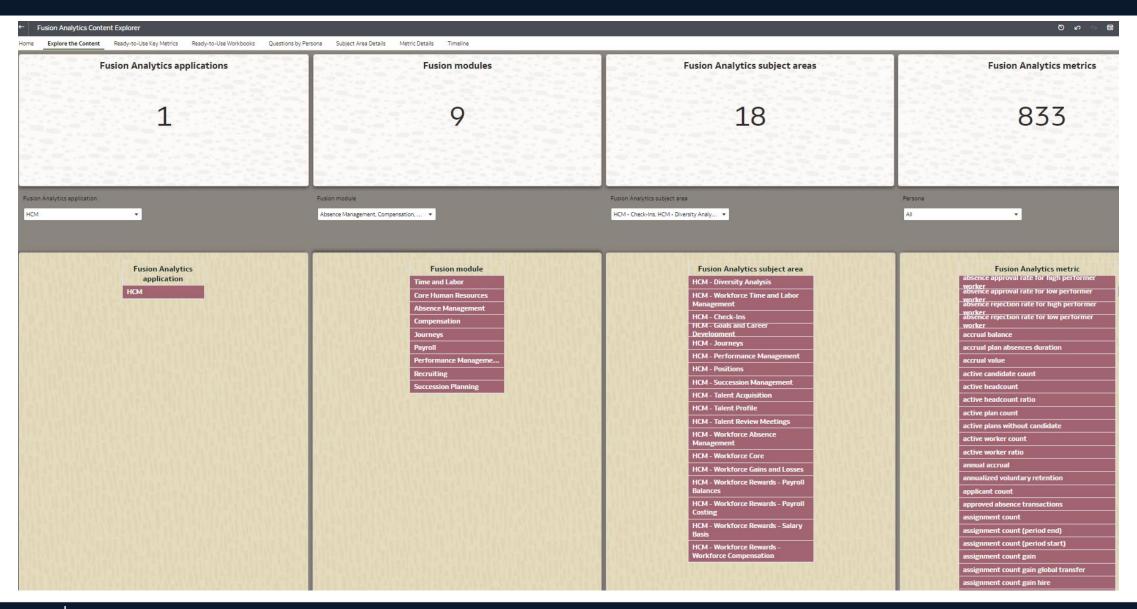
# ORACLE FDI – SCM Personas



← Fusion Analytics Content Explorer					
Home Explore the Content Ready-to-Use Key Metrics Ready-to-Use Workbooks	Questions by Persona	Subject Area Details	Metric Details	Timeline	
Persona Fusion Analytics application	Fusion module		Fusion Analytics s	ubject area	
Cost Accountant, Inventory Manager, O ▼ SCM ▼	Cost Accounting, Inventor	ry, Multiple SC 🔻	Multiple SCM Sub	oject Areas, Procureme ▼	
Some of the questions addressed		11 Y/A	N	Zar	/ N A VA MA NARAN A/ N A V
Some of the questions addressed in		Fusion			
	Persona	Analytics application	Fusion module	Fusion Analytics subject area	Question
	Cost Accountant	SCM	Cost Accounting	SCM - COGS and Gross Margin	Top 10 customers with increasing or decreasing gross margin %
KWAPKE NYASK	Cost Accountant	SCM	Cost Accounting	SCM - COGS and Gross Margin	Top 10 products with increasing or decreasing gross margin %
	Cost Accountant	SCM	Cost Accounting	SCM - COGS and Gross Margin	What is my gross margin by business unit, products, locations, product category, and customers for a given period?
THE THE PARTY OF T	Cost Accountant	SCM	Cost Accounting	SCM - COGS and Gross Margin	Which of my products revenue or COGS is not recognized?
	Cost Accountant	SCM	Cost Accounting	SCM - COGS and Gross Margin	Which of my products revenue or COGS is partially recognized?
12 7 2 1 2 1 A	Cost Accountant	SCM	Cost Accounting	SCM - Cost Accounting	What is the cost distribution by accounting line type for a cost organization and cost book?
7 6 7 3 5 7 1 5	Cost Accountant	SCM	Cost Accounting	SCM - Cost Accounting	What is the cost distribution by transaction type, accounting line type, item etc for a cost organization and cost book?
	Cost Accountant	SCM	Cost Accounting	SCM - Cost Accounting	What is the cost distribution for a cost organization and cost book for a given period?
	Cost Accountant	SCM	Cost Accounting	SCM - Cost Accounting	What is the transaction amount for a particular accounting line type by cost organization and cost book for a given period? E.g COGS, PPV etc.
	Cost Accountant	SCM	Cost Accounting	SCM - Item Cost	What is the item unit cost by different cost elements like material, material overhead, and overhead by value and percentage?
	Cost Accountant	SCM	Cost Accounting	SCM - Item Cost	What is the item unit cost for a cost organization and different cost books?
	Cost Accountant	SCM	Cost Accounting	SCM - Item Cost	What is the trend of item costs over a period of time?
	Cost Accountant	SCM	Cost Accounting	SCM - Item Cost	What items are showing most volatile trend over a period of time?
	Cost Accountant	SCM	Inventory	SCM - Inventory Valuations	What is an organization's inventory value across supply chain for an item, item category, and organization?
	Cost Accountant	SCM	Inventory	SCM - Inventory Valuations	What is the inventory valuations for items or item category for a given period?
	Cost Accountant	SCM	Inventory	SCM - Inventory Valuations	What is the trend in inventory valuations for items and organizations?
4/6/5/5/5/6	Inventory Manage		Inventory	SCM - Inventory Balances	What is an organization's inventory position across supply chain in terms of quantity?
	Inventory Manage		Inventory	SCM - Inventory Balances	What is the trend for onhand quantity by product and category?
RAC VILLER	Inventory Manage		Inventory	SCM - Inventory Balances	Which product, category, organization are high in terms of inventory quantity in the asset subinventory location?
DO SECULIA NA	Inventory Manage		Inventory	SCM - Inventory Receipts	How long do you need to intake inventory from Receiving to storage location?
KWATAATI VADA	Inventory Manage		Inventory	SCM - Inventory Receipts	What are the delivery times from Internal organizations?
	Inventory Manage		Inventory	SCM Inventory Receipts	What are the products and quantity returned by customer over a period of time?
	Inventory Manage		Inventory	SCM - Inventory Receipts SCM - Inventory Receipts	What are the reasons for product return from customers?  What are the return rates for Internal organization?
MAYA O. MAYA	Inventory Manage		Inventory	SCM - Inventory Receipts	What is Accepted and Rejected rates for commodities, by suppliers?
	Inventory Manage		Inventory	SCM - Inventory Receipts	What is the Receiving cycle time?
	Inventory Manage		Inventory	SCM - Inventory Receipts	What is the total quantity received per warehouse operator ?
YAYYAU AYAA	Inventory Manage		Inventory	SCM - Inventory Receipts	What is the volume of inventory received?
VA4 KYENNIK	Inventory Manage		Inventory	SCM - Inventory Receipts	What receipts are created manually or through ASN's?
	Inventory Manage		Inventory	SCM - Inventory Receipts	When were products shipped by Suppliers and internal organizations and what is the average delivery times of Suppliers and Internal
					ADPARIATIONS.

### ORACLE FDI – HCM Content





# ORACLE FDI – HCM Content



HCM ,										
HCM - Workforce Rewards - Workforce Compensation	HCM - Workforce Rewards - Payroll Balances	HCM - Workforce Core	HCM - Talent Review Meetings	HCM - Talent Acquisition	HCM - Positions	HCM - Journeys	HCM - Goals and Career Development			
HCM - Workforce Rewards - Payroll Costing	HCM - Workforce Gains and Losses	HCM - Workforce Absence Management	HCM - Talent Profile	HCM - Succession Management	HCM - Performance Management		Theck-Ins			

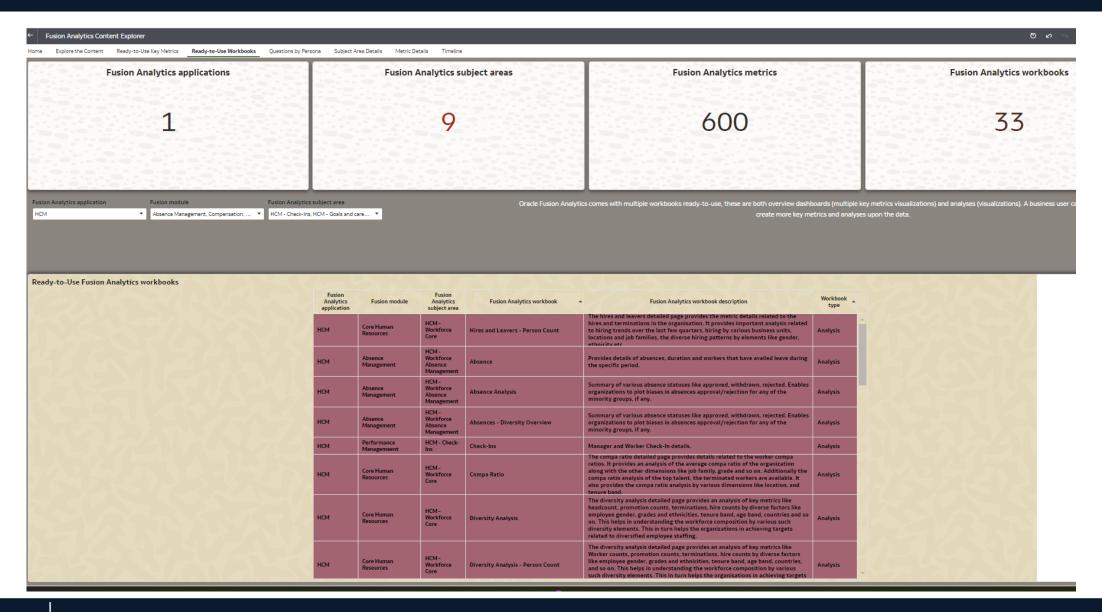
## ORACLE FDI – HCM Key Metrics





### ORACLE FDI – HCM Workbooks





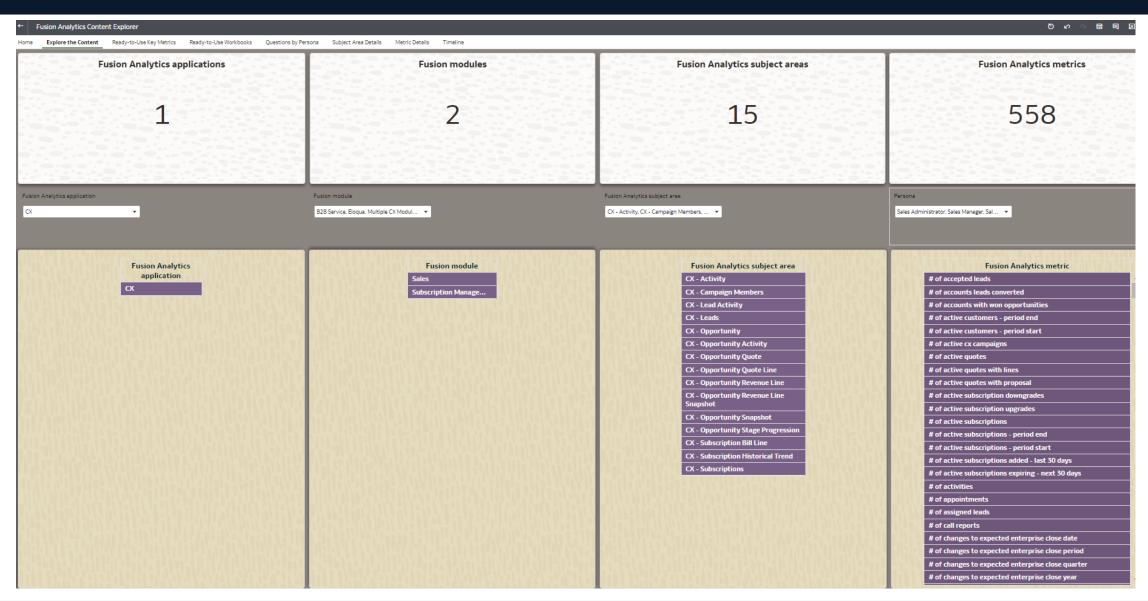
# ORACLE FDI – HCM Personas



Fusion Analytics Content Explorer					
fome Explore the Content Ready-to-Use Key Metrics Ready-to-Use Workbooks	Questions by Persona	Subject Area Detai	ls Metric De	etails Timeline	
Persona Fusion Analytics application	Fusion module		Fusion Analy	rtics subject area	
Compensation Manager, Hiring Manage ▼ All	▼ Absence Management,	Compensation,	_	k-Ins, HCM - Diversity Analy ▼	
Some of the questions addressed					NAMMANAMANAMANAMANAMANAMANAMANAMANAMANA
		Fusion	Fusion		
	Persona	Analytics application	module	Fusion Analytics subject area	Question
	Hiring Manager	НСМ	Recruiting	HCM - Talent Acquisition	Do internal candidates are faster to fill than the external ones?
	Hiring Manager	нсм	Recruiting	HCM - Talent Acquisition	What is the average requisitions processed by my recruiters?
	Hiring Manager	нсм	Recruiting	HCM - Talent Acquisition	What is the average time taken for a requisition to be filled?
	Hiring Manager	нсм	Recruiting	HCM - Talent Acquisition	What percentage of candidates do not on-board after accepting the offer?
	Hiring Manager	нсм	Recruiting	HCM - Talent Acquisition	Which jobs have a faster fill rate compared to the average time taken to fill?
	Hiring Manager	НСМ	Recruiting	HCM - Talent Acquisition	Which phases of job requisition take a longer time than the average time taken by all phases?
	Human Resource Analyst	НСМ	Absence Management	HCM - Workforce Absence Management	Are there any specific time periods wherein there are excessive leave demands?
	Human Resource Analyst	НСМ	Absence Management	HCM - Workforce Absence Management	How many absences are availed by workers vs. at what frequency these absences have been availed?
	Human Resource Analyst	нсм	Absence Management	HCM - Workforce Absence Management	How many workers are retiring in next X months/Years and what is their absence liability on an organization?
	Human Resource Analyst	нсм	Absence Management	HCM - Workforce Absence Management	How many workers have not taken absences in last X days?
	Human Resource Analyst	нсм	Absence Management	HCM - Workforce Absence Management	How workers are with unused absence balances?
	Human Resource Analyst	нсм	Absence Management	HCM - Workforce Absence Management	What are the reasons with which maximum leaves have been availed?
	Human Resource Analyst	нсм	Absence Management	HCM - Workforce Absence Management	What is male gender ratio vs. female gender ratio with approved leaves and rejected leaves?
	Human Resource Analyst	нсм	Absence Management	HCM - Workforce Absence Management	What is the absence rejection/withdrawl rate of absences and performance impact of the same.
	Human Resource Analyst	нсм	Core Human Resources	HCM - Diversity Analysis	Are there any specific groups that are targeted for involuntary terminations?
	Human Resource Analyst	нсм	Core Human Resources	HCM - Diversity Analysis	Do I adopt fair practices in hiring and promoting diverse workforce?
	Human Resource Analyst	нсм	Core Human Resources	HCM - Diversity Analysis	Is there a pattern of inconsistent salaries across workers from different regions and ethnicities?
	Human Resource Analyst	нсм	Core Human Resources	HCM - Positions	For a given position, provide the budgeted headcount, fte vs actual headcount and fte
	Human Resource Analyst	нсм	Core Human Resources	HCM - Positions	Which are the various positions created for a job?
	Human Resource Analyst	нсм	Core Human Resources	HCM - Positions	Which positions do not have incumbents on them?
	Human Resource Analyst	нсм	Core Human Resources	HCM - Workforce Core	Do I get a trend of voluntary terminations of high performers in the organisation?
	Human Resource Analyst	нсм	Core Human Resources	HCM - Workforce Core	Have I staffed women in adequate numbers to meet my diversity regulatory requirements?
	Human Resource Analyst	нсм	Core Human Resources	HCM - Workforce Core	Is there an increase or decrease in employee attrition compared to the same period previous year?
	Human Resource Analyst	нсм	Core Human Resources	HCM - Workforce Core	What is the average compa ratio of high performers in my organisation?
	Human Resource Analyst	нсм	Core Human Resources	HCM - Workforce Core	What is the promotion ratio trend over the last 3 years in the organisation?
	Human Resource Analyst	нсм	Core Human Resources	HCM - Workforce Core	What percentage of my workforce are contingent workers?

### ORACLE FDI – CX Content





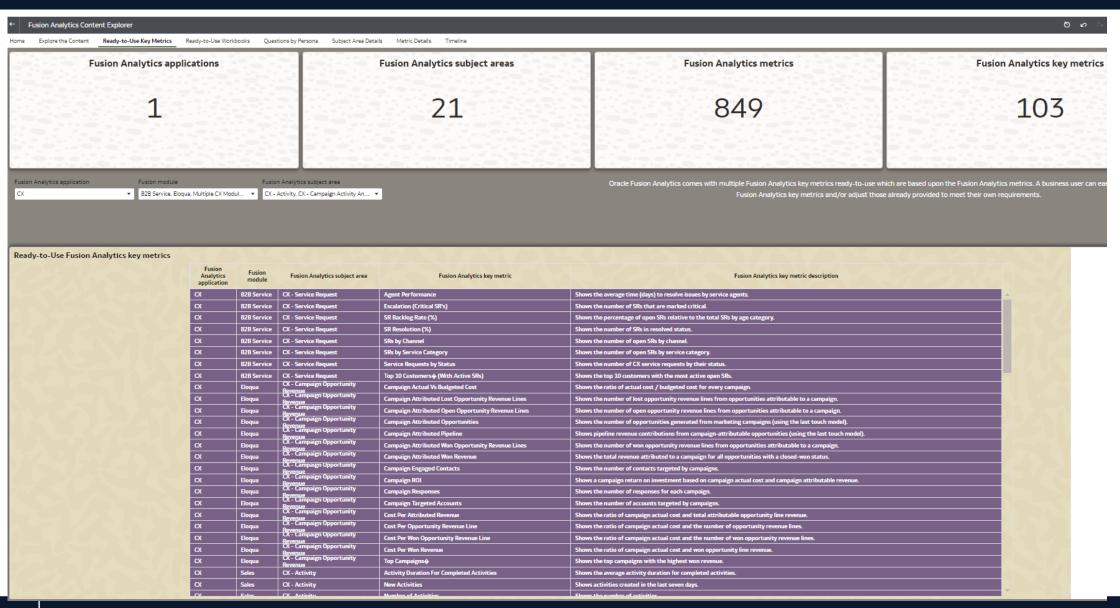
# ORACLE FDI – CX Content



CX									x*
CX - Subscriptions	CX - Subscription Bill Line	CX - Service Request Lifecycle	CX - Opportunity Stage Progression	CX - Opportunity Revenue Line Snapshot	CX - Opportunity Quote Line	CX - Opportunity Activity	CX - Leads	CX - Campaign Opportunity Revenue	CX - Campaign Activity Detail Analysis
									CX - Campaign Activity Analysis
CX - Subscription Historical Trend	CX - Service Request Milestone	CX - Service Request	CX - Opportunity Snapshot	CX - Opportunity Revenue Line	CX - Opportunity Quote	CX - Opportunity	CX - Lead Activity	CX - Campaign Members	CX - Activity

### ORACLE FDI – CX Key Metrics





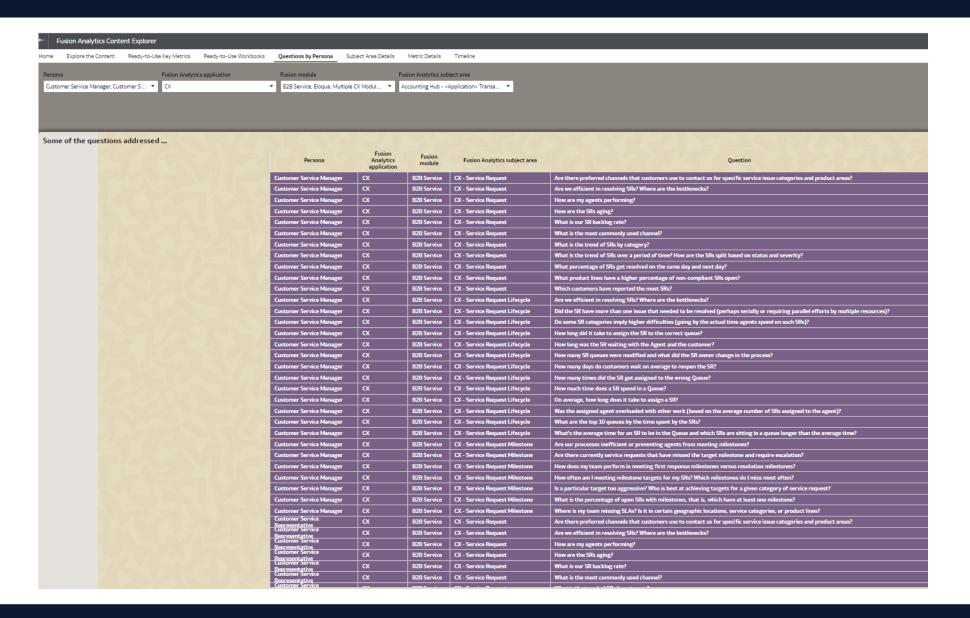
## ORACLE FDI – CX Workbooks



Fusion Analytics Content Explorer  Home Explore the Content Ready-to-Use Key Metrics Ready-to-Use Workbooks Questions by Po	ersona Subject Area Details	Metric Details Timeline				ව ග ෙ⊝
Fusion Analytics applications	Fusion Analytics subject areas			Fusion Analytics metrics		Fusion Analytics workbooks
1	16			663		66
Fusion Analytics application  Fusion module  Fusion Module  Fusion Analytic  CX	cs subject area X - Campaign Activity An ▼		Oracle Fusion Analyt	ics comes with multiple workbooks ready-to-use, these are both overview dashl create more key m		
Ready-to-Use Fusion Analytics workbooks	Fusion Analytics Fusion application	Fusion Module Analytics Subject area	Fusion Analytics workbook	Fusion Analytics workbook description	Workbook type	
	CX Sales	CX - Leads	Accounts - Leads  Activity Duration for Completed Activities	Lists sales resources or credit recovers with the highest number of wins and deal sizes.  Shows how long it takes for a sales resource to complete an activity and provides a breakdown based on activity type. Summaries are included to show the metric based on activity owner, number of activities completed, activity type, date, and	Analysis Analysis	
	CX Sales	CX - Opportunity Activity	Activity Rate - Won Opportunities	status Provides insights on the number of activities performed on opportunities that go on to win. This information helps businesses users understand the average number of activities needed to win an opportunity.	Analysis	CHENT E
	CX B2B Servic	CX - Service Request  CX - Opportunity Revenue Line	Agent Performance Details  Average Deal Size	Provides insights into how the service agents performance is, such as the resolved SRs, average time to resolve, etc.  Provides a breakdown of average deal size by sales stage, opportunity owner,	Analysis Analysis	
	CX Sales	CX - Opportunity Revenue Line Snapshot	Average Deal Size - Trend Analysis	territory owner, and product/group.  Shows the trend of average deal size by territory and by product, and how the metric has evolved historically.	Analysis	
	CX Sales	CX - Leads	Average Lead Age	Shows the average lead age by lead status and lead creation period for the current quarter.	Analysis	
	CX Eloqua	CX - Campaign Activity Analysis	Campaign Activity Overview	Shows the Campaign Activity Summary and details of some of the key activities like Email, Form, Web, Landing Page, and External.	Analysis	
	CX Subscription	n Campaign nt Activity	Campaign Activity Overview	Shows the Campaign Activity Summary and details of some of the key activities like Email, Form, Web, Landing Page, and External.	Analysis	
	CX Sales	Analysis CX - Campaign Members	Campaign Attributed Leads	Shows the number of leads generated from each campaign that was created in the current quarter.	Analysis	
	CX Eloqua	CX - Campaign Opportunity Revenue	Campaign Attributed Opportunities	Shows the number of opportunities generated from each campaign that was created in the current quarter. This analysis uses the last touch attribution model.	Analysis	
THE PARTY OF THE P	СХ Подил	CX - Campaign	Campaign Attributed Pineline	Shows the pipeline contribution from the opportunities attributable to the	Apalysis	V A V A V A

### ORACLE FDI – CX Personas





### ORACLE FDI IMPLEMENTATION APPROACH



#### Organizations can use one of the following approaches for implementing FDI:

- Phased approach (Recommended) Setup and deploy the seeded or out-of-box content after completing the functional and technical requirements.
  - Proof-of-value for executives as a starting point (1 pillar)
  - . Once we have buy-in, implement the tool with custom content
- All-in-one approach (Big Bang) Setup and deploy both the seeded or out-ofbox content as well as custom content after completing the functional and technical requirements.

### ORACLE FDI IMPLEMENTATION STEPS



#### The following are the steps to the phased approach:

- Activate and create the FDI instance important to use the same cloud account and region for Oracle Fusion Cloud Applications and Fusion Analytics Warehouse
- Pair Environments important to pair the right Oracle Fusion Cloud Applications environment with the new Fusion Analytics environment
- Configure data pipelines and validate data important to only activate the data pipelines the users can validate within project timeline (Oracle does provide a built-in Data Validation for assistance with this)
- Configure and validate security start with a smaller group at different levels, test object and row-level security
- Deploy Once everything is validated in the non-Prod instance, migrate and deploy to Prod

### **ORACLE ACTIVATE FDI STEPS**



- UCC Subscription An Active UCC subscription must exist in the cloud account which is used to activate Oracle Fusion Data Intelligence. If it doesn't exist, Subscribe and activate UCC for the cloud account first.
- Activate Oracle FDI subscription After the FDI subscription order is processed, a Welcome email is sent by Oracle asking to activate the subscription.
- If the goal is to use single sign-on to access Oracle FDI, then set up provisioning with Single Sign-On before proceeding with instance creation.
- Create an FDI instance If provisioned with SSO, the instance needs to be created in the federated IDCS, else, instance can be created in the default IDCS that is available with FDI.
- An email is received by Cloud Account Admins once the FDI instance is activated.

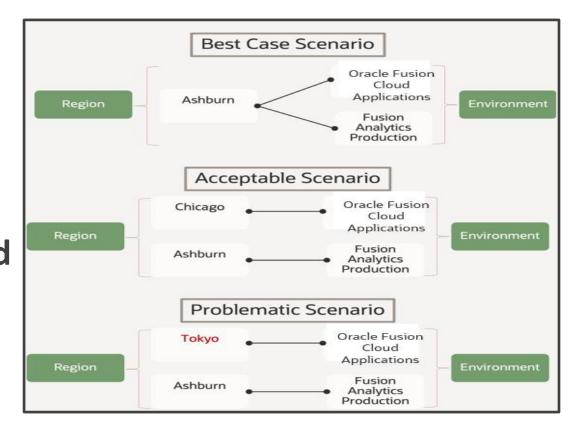
### ORACLE FDI PRE-REQUISITES / REGIONS



### **OCI** Regions

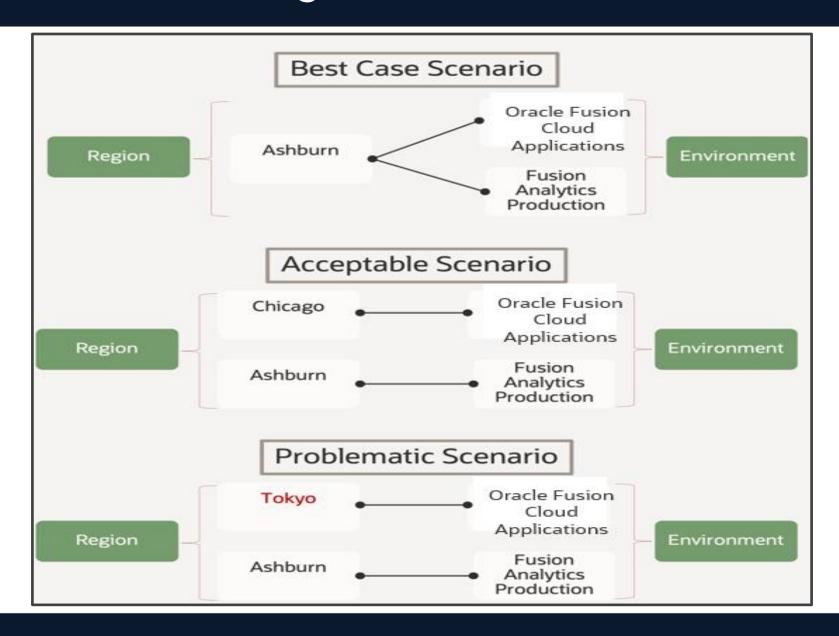
- An Oracle Cloud Infrastructure region is a localized geographic area that can be separated from other regions by vast distances across countries and continents.
- Your cloud account has a home region, and you can subscribe to additional regions.

  The Oracle Cloud Infrastructure Console shows both subscribed and unsubscribed regions.



### ORACLE FDI PRE-REQUISITES / REGIONS





### ORACLE FDI PRE-REQUISITES / PAIRING



### **Environment Pairing**

- Each Fusion Analytics environment is paired with an Oracle Fusion Cloud Applications environment.
- You can pair a Fusion Analytics non-production environment with any of the Oracle Fusion Cloud Applications non-production environments.

### ORACLE FDI PRE-REQUISITS / FUSION APPS



- . Oracle Fusion Applications is the main source of data for FDI
- There are pre-requisites to be completed within Fusion ERP, CX, SCM, or HCM before you can import accurate data into the FDI Datawarehouse
- The following are some examples of configurations that need to be completed, depending on the application:
  - Enterprise Calendar across all the Fusion Analytics applications
  - Exchange rates (if applicable) from Enterprise Resource Planning (ERP)
  - Financial Categories from ERP
  - Age bands from Human Capital Management (HCM)

### ORACLE FDI CONSOLE / DATA CONFIG



#### **Data Configuration**

Configure connections to source systems Fusion and managed pipelines. Configure pipeline settings, data augmentations and application specific configurations.

As the cloud account administrator with the Functional Administrator or System Administrator application role, you specify the data load and reporting configuration details, and create data pipelines for functional areas that determine how the source data from Oracle Fusion Cloud Applications is loaded and displayed in the data warehouse.

For example, you might specify the Initial Extract Date as January 1, 2019, specify the global currency as US Dollars (USD), and select the exchange rate to convert transactions to the global currency.

**NOTE:** The times visible in the Console are in local time zone. However, Oracle Fusion Analytics Warehouse stores the values for the **Warehouse Refresh Date Time** and **Scheduled Date** in the Coordinated Universal Time (UTC) in the autonomous data warehouse.

### ORACLE FDI CONFIGURATION



#### **Fusion Analytics configurations comprise:**

- Data configuration
- Reporting configuration
- Security configuration

#### **Oracle Cloud Infrastructure configurations comprise:**

- Access configuration for Fusion Analytics with private endpoints
- Network security configuration for Fusion Analytics

### ORACLE FDI CONSOLE / DATA VALIDATION



#### **Data Validation**

Validate the data after loading the source data from Oracle Fusion Cloud Applications into your data warehouse.

Validate Oracle Fusion Analytics Warehouse Data

As the cloud account administrator with the Functional Administrator or System Administrator application role, you validate the data after loading the source data from Oracle Fusion Cloud Applications into your data warehouse.

### ORACLE FDI DATA VALIDATION



Oracle delivered functionality

Compares metrics between your Fusion

Analytics instance and your Oracle Transactional Business Intelligence (OTBI) instance

• Important to have the same access level for user in Oracle Fusion Cloud

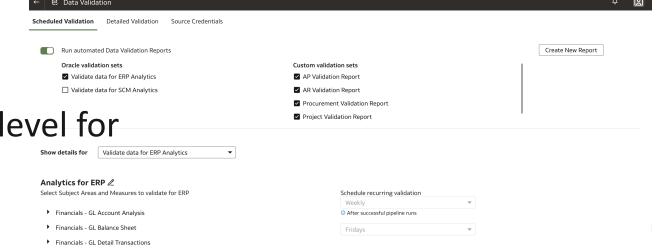
Applications and Fusion Analytics

Warehouse.

• Important to have the same access level for validation access level for validation and Fusion Cloud

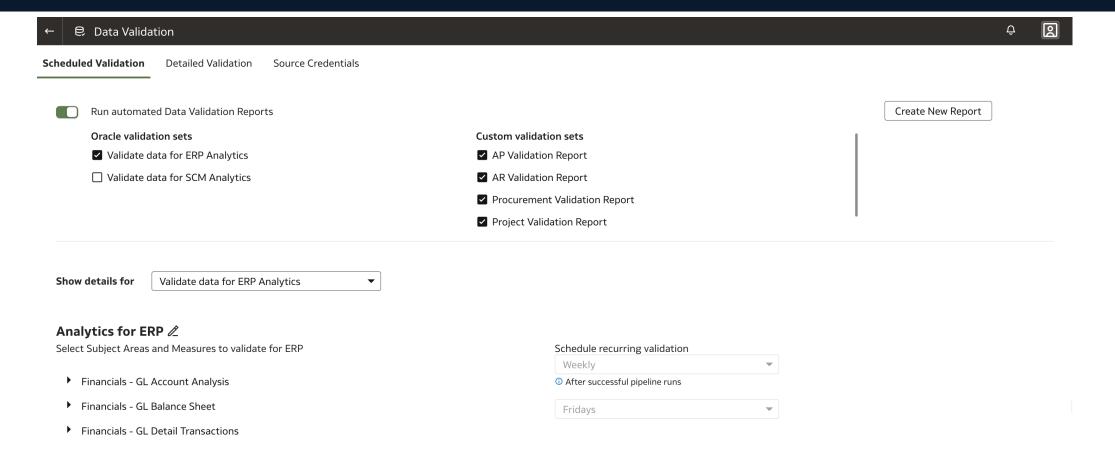
Analytics for ERP ∠
Select Subject Areas and Mes
• Financials - GL Detail To

Warehouse.



### ORACLE FDI DATA VALIDATION





### ORACLE FDI CONSOLE / SECURITY

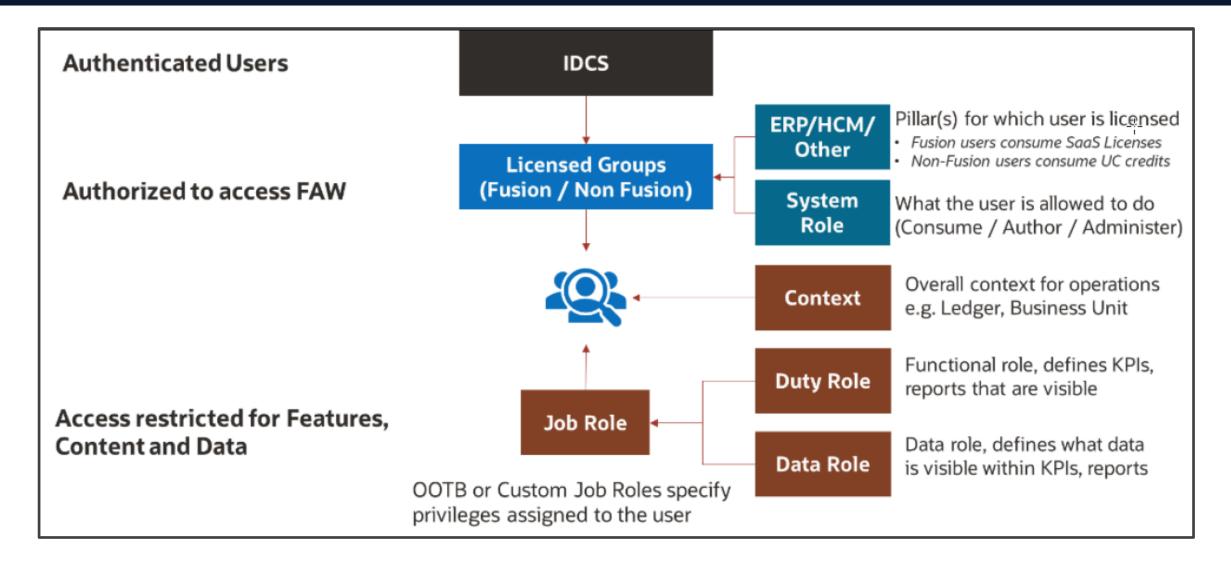


#### Security

Manage users and their access to subject areas and data.

- Manage Users
- Manage Groups
- Manage Application Roles
- Manage Data Access through Security Assignments
- Configure Permissions for Metadata and Front-End Objects
- View Activity History
- Manage Uploads and Downloads
- Set Up Custom Security







- Users accessing Oracle Fusion Analytics Warehouse must exist in Oracle Identity Cloud Service. They can either be synchronized from Oracle Fusion Cloud applications or can be newly created in IDCS.
- **System Groups** provide users the access to navigate through FAW. At least one system group must be assigned to a user. Each system group is associated with a system application role. **Example:** FAW Licensed ERP Consumers
- Job Roles are synchronized from Oracle Fusion Cloud Applications into Oracle Identity Cloud Service. They consist of one more Application roles (duty and data roles) mapped to them. **Example:** Accounts Payable Manager



- Application roles consist of duty and data roles.
- Duty roles define the duties of a job as an entitlement to perform a particular action. For example, access to an AP Transactions subject area.
- Data roles provide access to the row-level data in the warehouse tables. For example, a group of users based on invoices relevant only to their business unit.
- Data security assignments apply data filters to display only the data corresponding to the security assignment values assigned to the users. Data-level security is ensured with a combination of data roles, security context, and security assignments assigned to the user.



- Create users in IDCS if the users don't already exist in Oracle Fusion Cloud applications.
- License the users to access Oracle Fusion Analytics Warehouse by assigning system groups.
- Create custom groups and application roles as required. Associate the groups to application roles.
- Associate users to custom or pre-existing job-specific groups.
- Add security assignments for the predefined security contexts to a user to ensure data access.

### ORACLE FDI DEPLOYMENT



- Deployment of artifacts from one instance of FAW to another is carried out using Application Bundles.
- Bundles are snapshots of application artifacts such as configurations and customizations at a certain point in time. Following are the types of bundles available:
- Data Config bundle: This includes pipeline parameters, activation metadata, data augmentations, and custom data configurations.
- Semantic Model bundle: This includes main branch, tags, custom branch, duty and data roles for semantic extension.

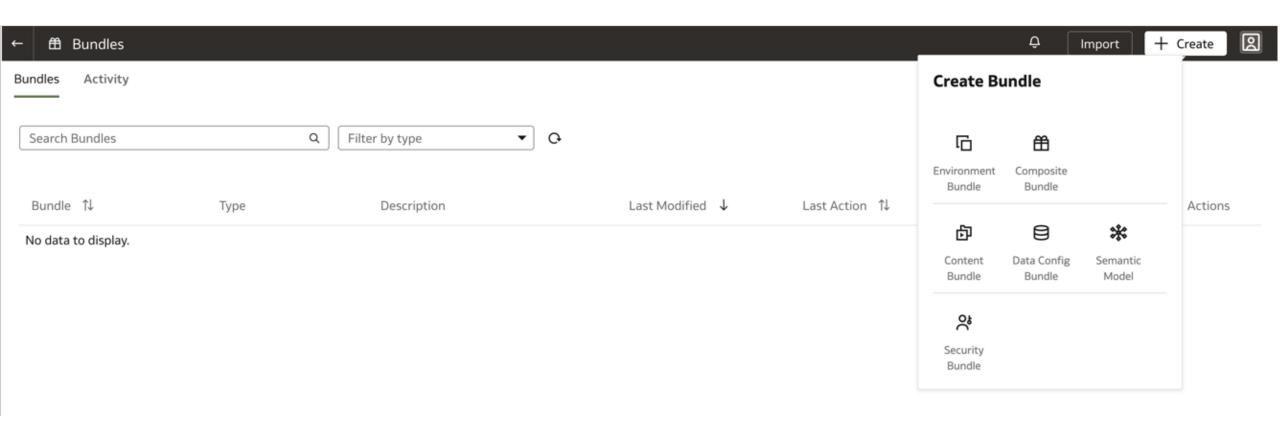
### ORACLE FDI DEPLOYMENT



- Security bundle: This includes custom groups, custom application roles, and custom security.
- Content bundle: This includes snapshots of Oracle Analytics Cloud folders, projects, dataset definitions, duty roles for content, and report parameters.
- . Composite bundle: This includes one or more of the other bundles.
- Environment bundle: This includes all artifacts of a specific environment to revert to a known state of system.

## **ORACLE FDI DEPLOYMENT**





## CONCLUSION





Oracle owns and maintains the delivered FDI Data Pipeline



FDI is extensible and customizable at every level of the stack



Updates are managed by Oracle (includes customizations if done following the process outlined by Oracle)



You cannot modify or extend the delivered ETL Jobs or Semantic Models delivered with FDI







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## **Helpful Links**





#### **FDI Content Explorer Link**

https://oac-

public.com/ui/dv/ui/home.jsp?pageid=visualAnalyzer&reportmode=full&reportpath=%2F%40Catalog%2Fshared%2F Featured%20Samples%2FFusion%20Analytics%20Content%20Explorer







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