ORACLE
CloudWorld

Oracle Fusion Analytics
Increase Your Impact With Extensibility

Amit Goyal, Senior Director of Product Management
September 21, 2023

Safe harbor statement

The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, timing, and pricing of any features or functionality described for Oracle's products may change and remains at the sole discretion of Oracle Corporation.

The materials in this presentation pertain to Oracle Health, Oracle, Oracle Cerner, and Cerner Enviza which are all wholly owned subsidiaries of Oracle Corporation. Nothing in this presentation should be taken as indicating that any decisions regarding the integration of any EMEA Cerner and/or Enviza entities have been made where an integration has not already occurred.
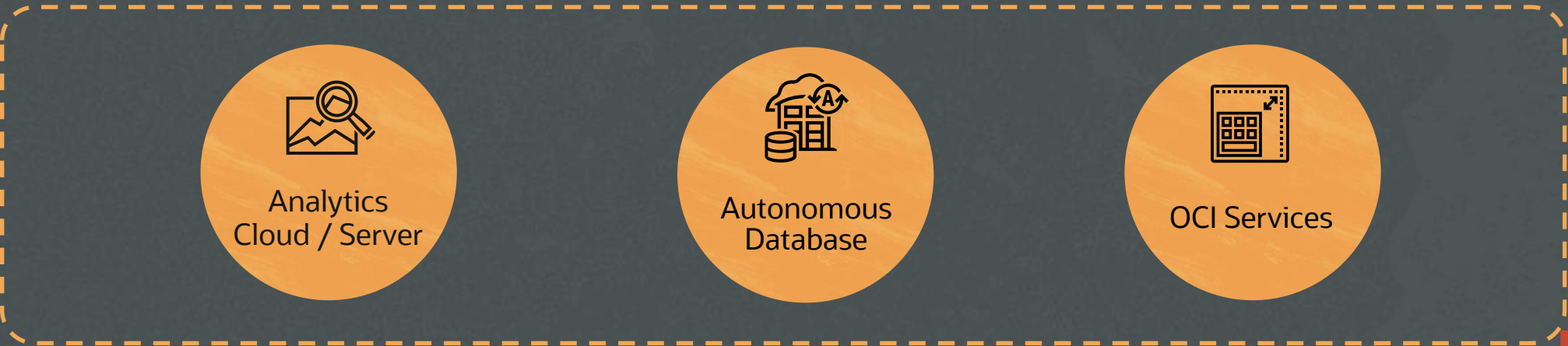
Oracle Analytics Product Portfolio
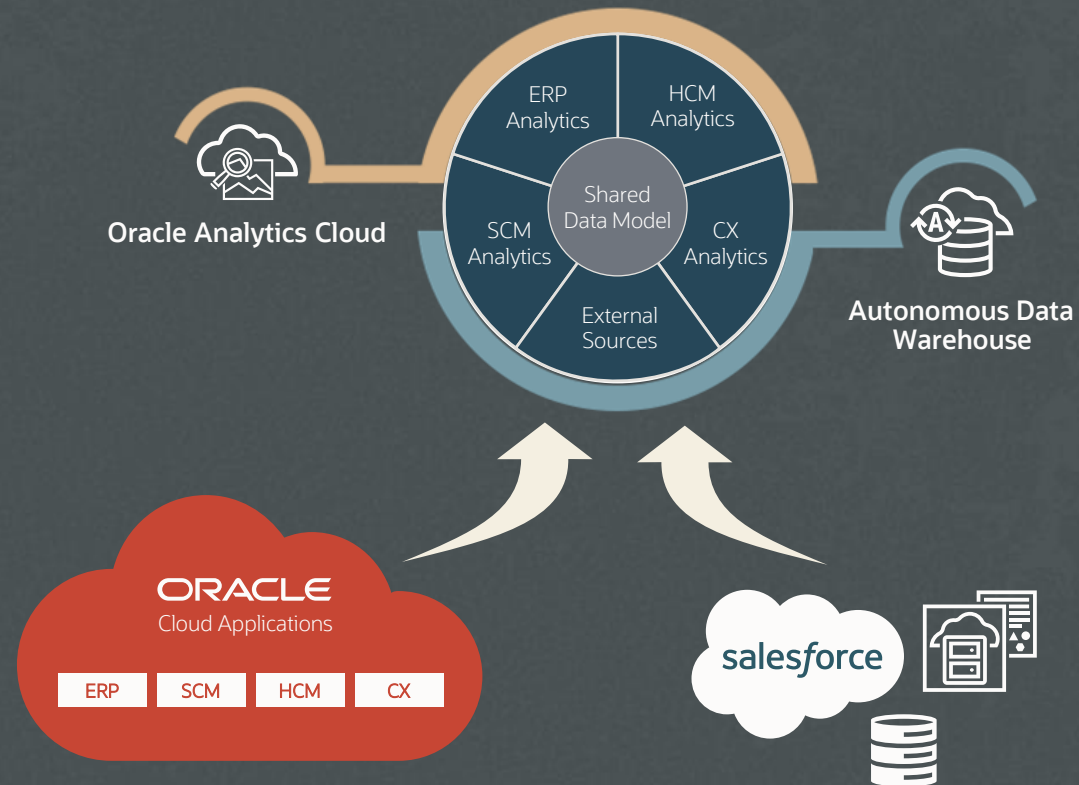
Fusion Analytics

NetSuite Analytics

Applications

- ERP Analytics
- HCM Analytics
- SCM Analytics
- CX Analytics

- NetSuite Analytics

Platform

- Analytics Cloud / Server
- Autonomous Database
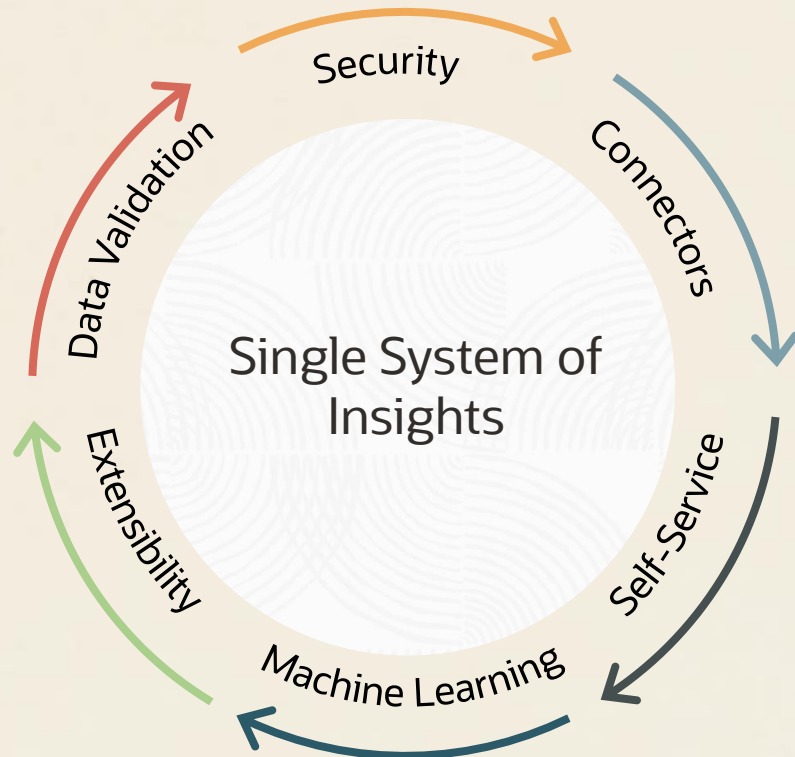- OCI Services

Fusion Analytics

Prebuilt & extensible analytics for Fusion Cloud Applications

- Fully Oracle-managed data pipeline

- Single cross-pillar data model

- Curated semantics and content

- Extensible with data from many sources

Fusion Analytics – Platform Capabilities

Enterprise grade platform as single source of insights providing data you can trust

Circular diagram: Single System of Insights, with Security, Connectors, Self-Service, Machine Learning, Extensibility, Data Validation

Fosters Trust

- Application Security Framework
- Data Validation
- History and Audit Logs

Scales to Enterprise needs

- High data volumes
- Seamless Quarterly Upgrades
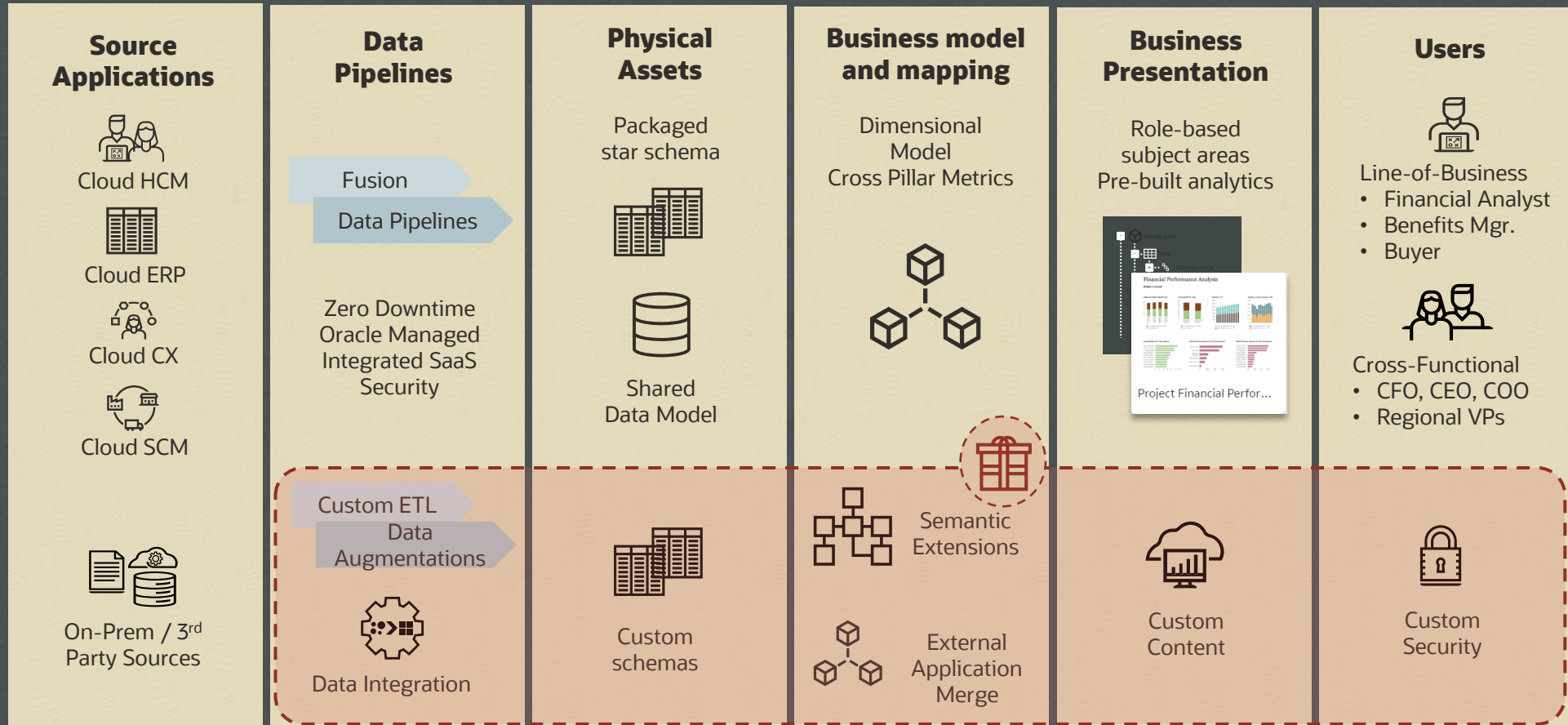- Extensible and configurable

Enables Self-service

- Business user friendly subject areas
- Self-service connection for connect-and-analyze
- Pre-built connectors for extract-and-analyze

Fusion Analytics

Pre-Built and Extensible Platform

Source Applications	Data Pipelines	Physical Assets	Business model and mapping	Business Presentation	Users
Cloud HCM	Fusion	Packaged star schema	Dimensional Model Cross Pillar Metrics	Role-based subject areas Pre-built analytics	**Line-of-Business** • Financial Analyst • Benefits Mgr. • Buyer
Cloud ERP	Data Pipelines				
Cloud CX	Zero Downtime Oracle Managed Integrated SaaS Security	Shared Data Model			**Cross-Functional** • CFO, CEO, COO • Regional VPs
Cloud SCM					
On-Prem / 3rd Party Sources	Custom ETL Data Augmentations	Custom schemas	Semantic Extensions	Custom Content	Custom Security
	Data Integration		External Application Merge		

Pre-built pipelines to sync with Oracle Cloud Applications, with **Frequent Data Refresh**

Custom ETL or **Data Augmentations** created by customer, automated by Oracle

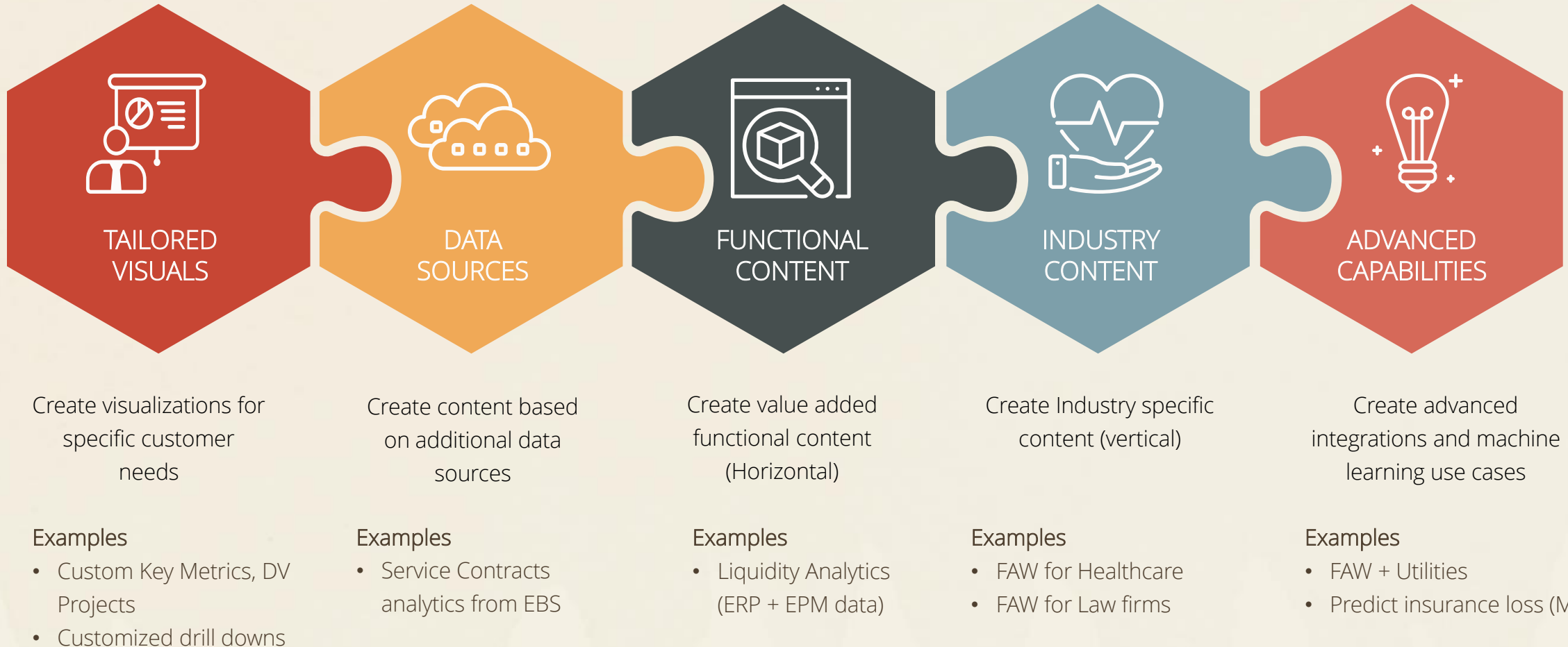**Semantic Extensibility** across physical, logical and business layers

External Application Merge to provide flexibility and protect investment

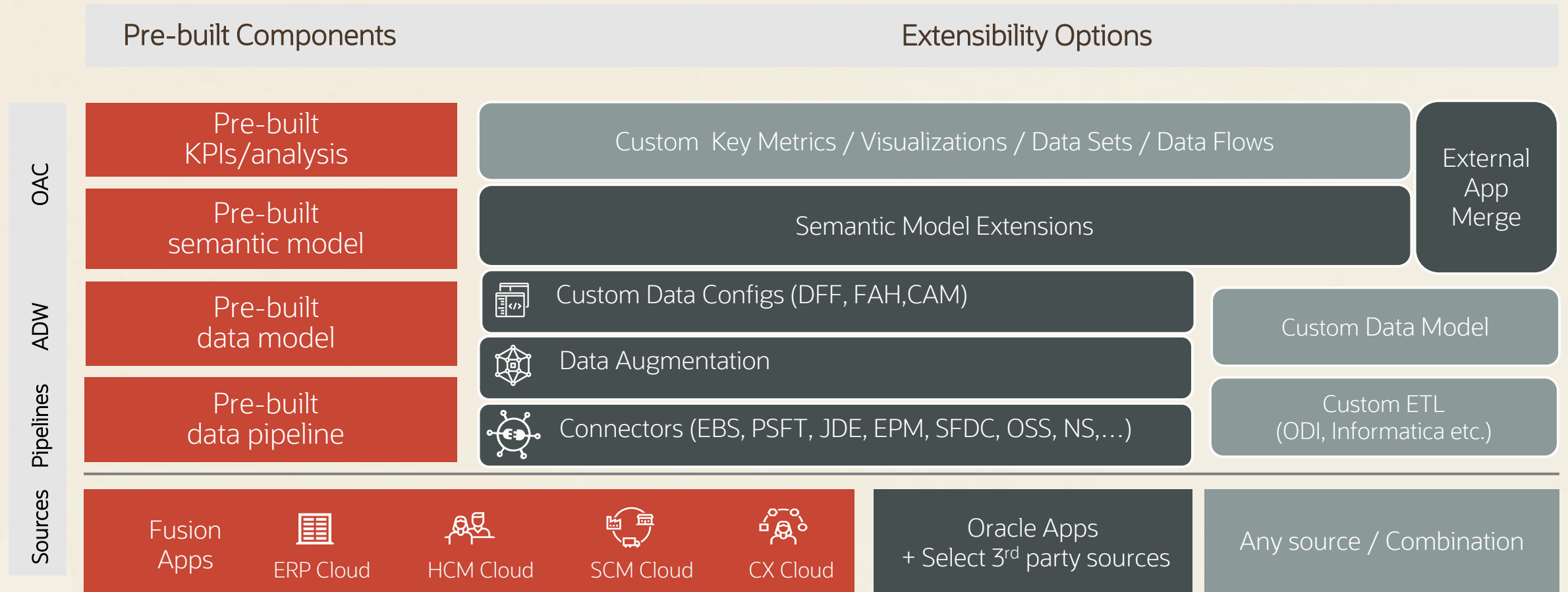**Bundle everything** for easier migration and maintenance

Project Financial Perfor...

Why Extend FAW?

The FAW platform is flexible to allow customers and partners enhance the value provided out of the box

TAILORED VISUALS	DATA SOURCES	FUNCTIONAL CONTENT	INDUSTRY CONTENT	ADVANCED CAPABILITIES
Create visualizations for specific customer needs	Create content based on additional data sources	Create value added functional content (Horizontal)	Create Industry specific content (vertical)	Create advanced integrations and machine learning use cases
Examples	**Examples**	**Examples**	**Examples**	**Examples**
• Custom Key Metrics, DV Projects • Customized drill downs	• Service Contracts analytics from EBS	• Liquidity Analytics (ERP + EPM data)	• FAW for Healthcare • FAW for Law firms	• FAW + Utilities • Predict insurance loss (ML)

What are the ways in which customers can extend and customize FAW?

Extensibility is possible at all layers of the stack.

Pre-built Components	Extensibility Options

OAC

| Pre-built KPIs/analysis | Custom Key Metrics / Visualizations / Data Sets / Data Flows | External App Merge |
| Pre-built semantic model | Semantic Model Extensions | |

ADW

| Pre-built data model | Custom Data Configs (DFF, FAH, CAM) | Custom Data Model |
| | Data Augmentation | |

Pipelines

| Pre-built data pipeline | Connectors (EBS, PSFT, JDE, EPM, SFDC, OSS, NS,...) | Custom ETL (ODI, Informatica etc.) |

Sources

| Fusion Apps — ERP Cloud — HCM Cloud — SCM Cloud — CX Cloud | Oracle Apps + Select 3rd party sources | Any source / Combination |

Handle the easy and the complex

Tools and methods at all layers
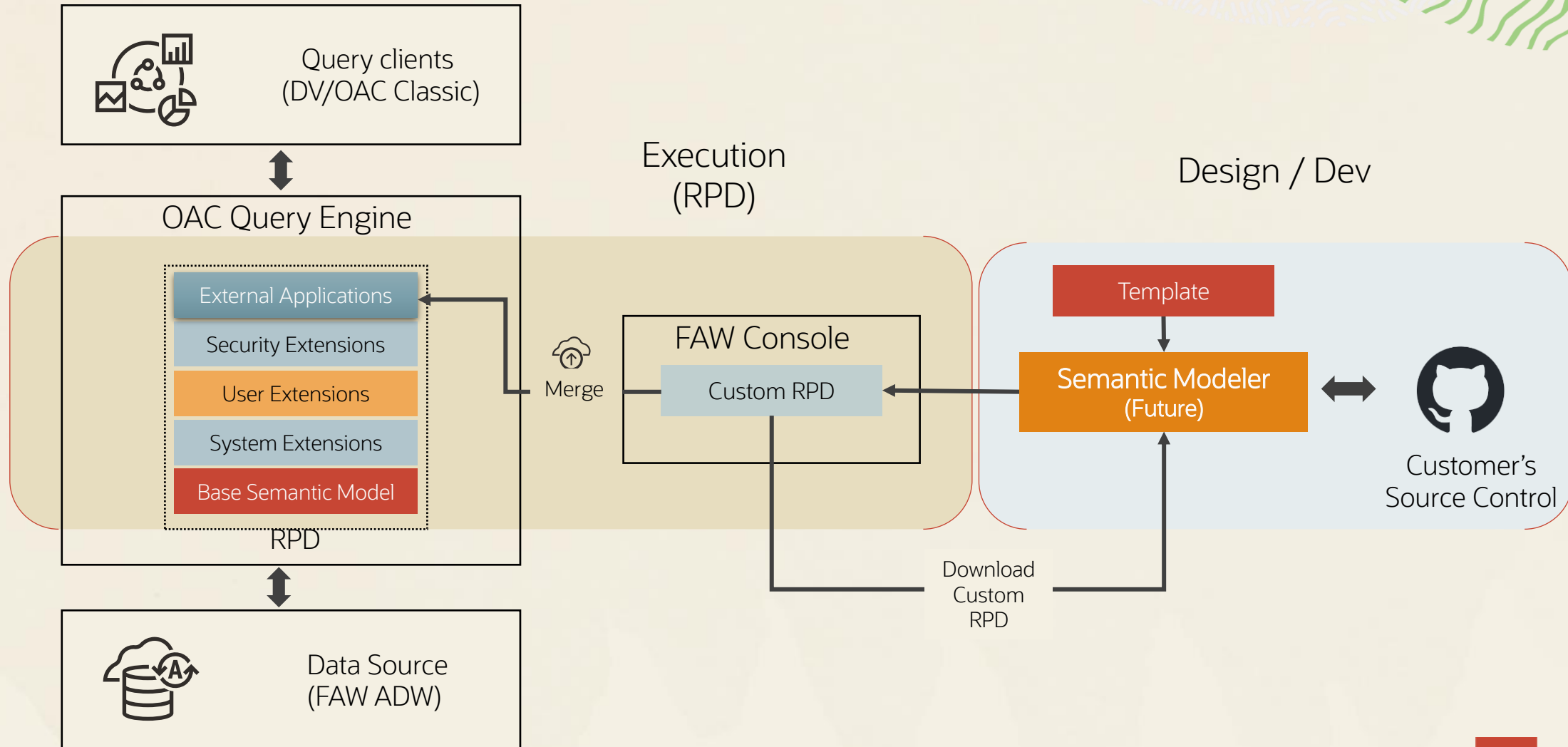
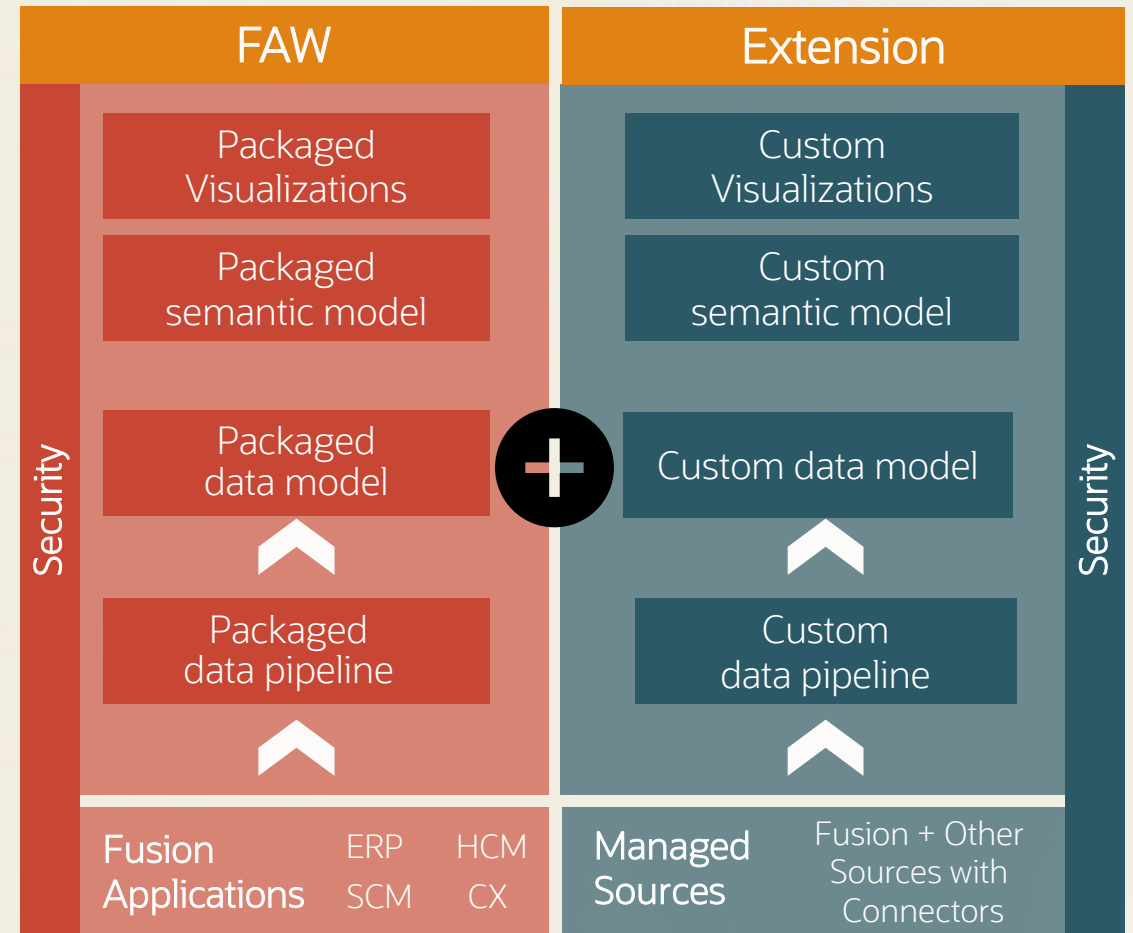| Layer	Need	Simple Use Cases	Complex Use Cases
Visualizations and notifications	Create custom content and alerts	OAC – Data Visualizations (DV)	OAC DV + Classic capabilities
Semantic Modeling	Extend entities or create new models	Use SME Wizards	Use External Application Merge
Data Pipelines	Bring data from Fusion and other sources	Data Augmentation with connectors	SDK-based applications, custom ETL with ODI
Database / Data Lake	Data management	All data securely managed in ADW	Federate using ADW with unified security and governance
Cloud Infrastructure	ML Use Cases	Activate pre-built end-to-end use case	Create using OCI functions

External Application Merge – Design Vs Execution

Use BI Admin Tool as the IDE for Development of Customizations, merge fully formed RPD

Query clients
(DV/OAC Classic)

OAC Query Engine

External Applications

Security Extensions

User Extensions

System Extensions

Base Semantic Model

RPD

Data Source
(FAW ADW)

Execution
(RPD)

Merge

FAW Console

Custom RPD

Design / Dev

Template

Semantic Modeler
(Future)

Customer's
Source Control

Download
Custom
RPD

FAW Application SDK

- Data Augmentations are suitable for simple extensions, at a limited scale.

- SDK will allow you to develop more complex and end-to-end extensions on FAW that will provide:

  - Scripting and API-driven development capabilities

  - Native integration with FAW's data pipeline and content infrastructure

  - A developer-friendly IDE for data model development

  - Human Readable Language to move and transform data into FAW efficiently

- External Application Merge is suitable for semantic model extensions

FAW	Extension
Packaged Visualizations	Custom Visualizations
Packaged semantic model	Custom semantic model
Packaged data model	Custom data model
Packaged data pipeline	Custom data pipeline
Fusion Applications — ERP HCM SCM CX	Managed Sources — Fusion + Other Sources with Connectors

Security (left and right vertical bands)

Packaging Extensions – Application Bundles

Package and migrate customizations and extensions across environments and tenancies

Typical Use Cases

- Migrate FAW customizations between environments
- Package and share customizations across tenancies
- Apply security and environment customizations from one environment to another
- Apply customizations after a full data warehouse reset

Fusion Analytics Roadmap

	H2 CY 2023	H1 CY 2024	Future
ERP	• Configurable Account Analysis (GA) • AR/AP Aging enhancements • Spend Classification • Project Awards	• Fusion Accounting Hub (New SKU) • Budgetary Controls (LA) • Enterprise Contracts • Projects Time & Labor • Projects Awards Funding	• Risk Mgmt & Compl. • Encumbrance • Cash Management • Addtl Projects modules • ESG Analytics • Procurement Sourcing
HCM	• Employee Health & Safety • Position Management • People Leader Enablement • Talent Acquisition Enhancements	• Payroll Run Results • Inferred Skills • Employee Help Desk • Peer Insights • Talent Profile History • Internal Mobility	• Employee Benefits • Position Hierarchies • Employee Flight Risk • Employee Questionnaires
SCM	• Inventory Aging • Spend Classification • Mfg Work Orders • Logistics Shipping Costs	• OM Open Orders • Cost Accounting (Preview) • Mfg Work Order Costing • Mfg Bill of Material • Enterprise Contracts	• SCM Planning • Sourcing, SQM • OM Channel Mgmt • Mfg Asset Lifecycle • Mfg Quality Mgmt • ESG Analytics
CX	• Sales Analytics Expansion • B2B Marketing Contact/Asset/Account • Salesforce Analytics (Preview) • Subscription Mgmt Overview and Trends	• Sales Analytics Expansion • B2B Marketing Form/Web/Landing Page • CPQ Analytics (Preview) • Salesforce Analytics (GA)	• Incentive Comp Analytics • B2B Service Analytics • Field Service Analytics • Revenue Ops Analytics
Platform	• External App Merge • Data Augmentation Connectors • Configurable security contexts • Frequent Data Refresh • Semantic enhancements	• Application SDK (limited availability) • Data Augmentation Connectors • Global Bundles Repository (limited availability) • Publish to OCI Lakehouse (limited availability)	• Native UX integration with Fusion Apps • Paid DR option • OAC semantic modeler integration • Multiple languages per instance
Infra	• Tokyo DC • Amsterdam DC • Melbourne DC	• Osaka DC • Montreal DC	• US Gov Cloud • DRCC • Hyderabad DC

ORACLE
CloudWorld

Thank you

Session Survey

Amit Goyal

amit.goyal@oracle.com