

# Integrate ERP and HCM with Oracle Integration Cloud

**Ram Menon**  
Director, Product Management

**Ravi Sankaran**  
Senior Director, Engineering

**Yogesh Sontakke**  
Director, Product Management

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# AGENDA

## ERP AND HCM INTEGRATION WITH ORACLE INTEGRATION CLOUD



1

Connectivity  
Challenges Today



2

HCM Connectivity



3

ERP Connectivity

# Connectivity Challenges Today





# SAAS GETTING SIMPLER, SAAS INTEGRATION.....NOT SO MUCH!

>100

APIs and  
Interfaces just in  
Oracle Fusion ERP  
Cloud

>250

pages long WSDLs  
for Salesforce.com

>100

Business Events  
Exposed by CRM  
Apps

>40

SOAP Web Services  
in Workday, each  
with it's own WSDL

>1000

Business Objects in  
any ERP in the  
market today

>20

Batch Processes in a  
single HCM Module

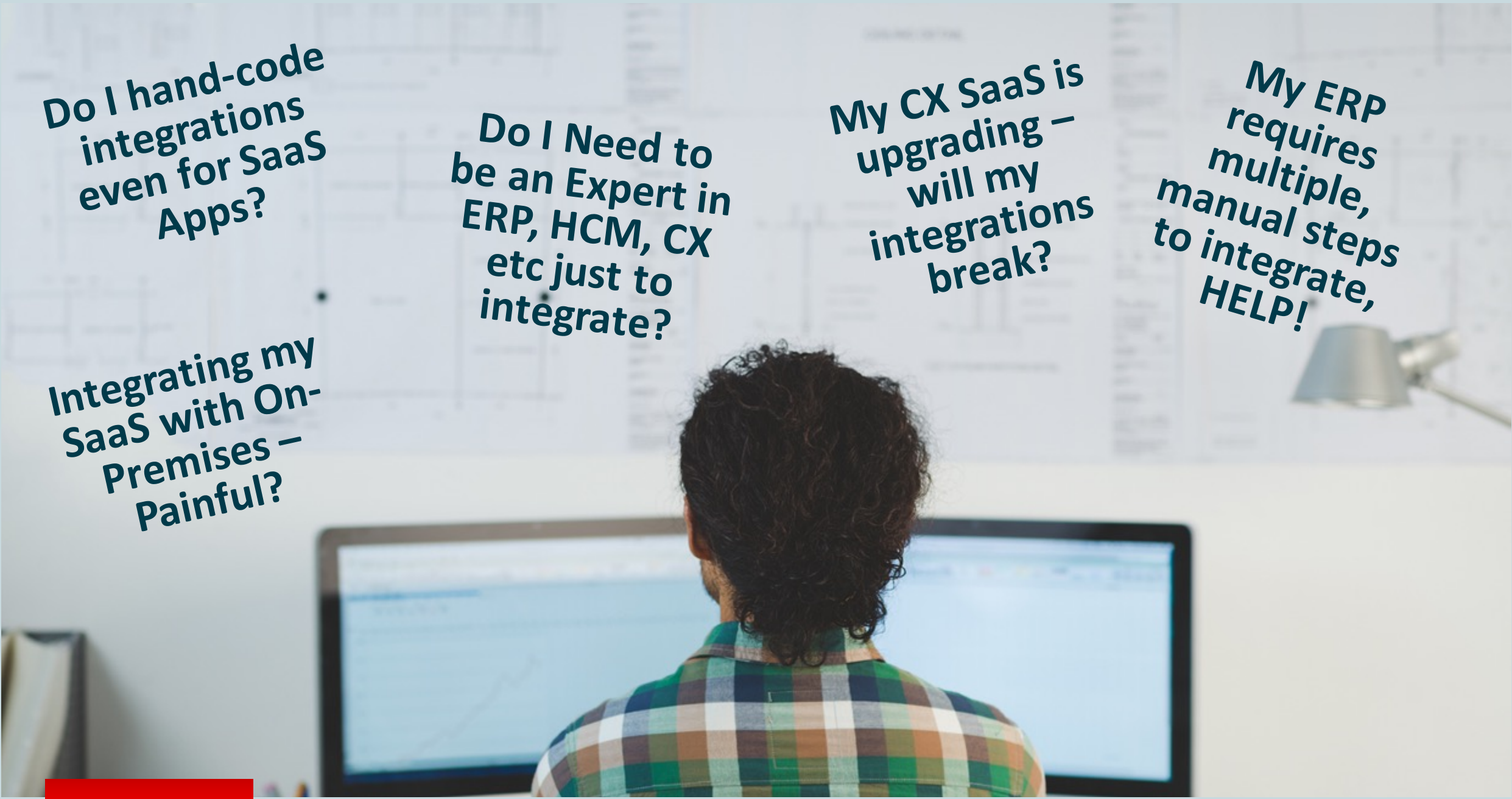
**Do I hand-code integrations even for SaaS Apps?**

**Do I Need to be an Expert in ERP, HCM, CX etc just to integrate?**

**My CX SaaS is upgrading – will my integrations break?**

**My ERP requires multiple, manual steps to integrate, HELP!**

**Integrating my SaaS with On-Premises – Painful?**



# Hundreds of Applications, Multiple Integration Interfaces



**SOAP**




FUSION ERP CLOUD




NETSUITE

NETSUITE




**REST**




ORACLE  
E-BUSINESS SUITE


E-BUSINESS SUITE




FUSION HCM  
CLOUD



**Files**




FUSION ERP CLOUD




workday.


WORKDAY



**Events**



SALES CLOUD



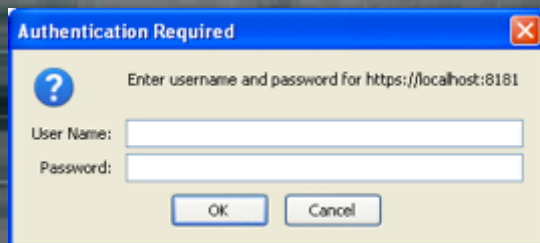
salesforce

SALESFORCE

....and many Applications have all four of the above !

# ...And We Haven't Even Mentioned Security Yet!

Every App Brings its Own Security Requirements for Connectivity



# Oracle Integration Cloud Connectivity



# ENTER ORACLE INTEGRATION CLOUD

**INTEGRATE**



**AUTOMATE**



**ANALYZE**



**VISUALIZE**



### Tasks

Overdue Tasks 0	0 Open Tasks
	0 On Track
	0 Due Tasks

### Processes

Suspended Instances 0	Recoverable Instances 0	Alerted Tasks 0
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### Integrations

20 total
2 active
0 scheduled

### Connections

23 total
8 used
3 used in active

### Recents

[Processes](#) [Integrations](#) [Visual Applications](#) >

- Service Request**  
No Description.
- Opportunity Lifecycle**  
No Description.
- Product Request**  
No Description.

### Actions

No actions available



#### Processes

Build and activate process applications

[Create Applications](#)[Use QuickStart](#)

#### Integrations

Connect your applications into a continuous business flow

[Create Connections](#)[Create Integrations](#)







#### Insight

Gain insight into process applications and integrations




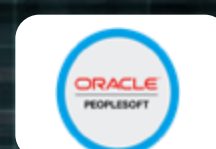


[View Dashboards](#)[Create a Model](#)

# ENTERPRISE CONNECTIVITY IN ORACLE INTEGRATION CLOUD










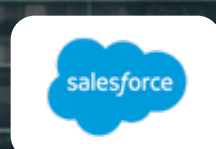
## ERP Connectivity

 FUSION ERP CLOUD	 NETSUITE	 E-BUSINESS SUITE	 J D EDWARDS	 SAP
 PEOPLESOFT	 UTILITIES CLOUD	 LOGISTICS CLOUD	 SAP ARIBA	 SAP CONCUR




## HCM Connectivity

 FUSION HCM CLOUD	 TALEO EE	 TALEO BE
 PEOPLESOFT	 SAP SUCCESSFACTORS	 WORKDAY








## CX Connectivity

 SALES CLOUD	 COMMERCE CLOUD	 CPQ CLOUD	 RIGHTNOW	 ELOQUA
 RESPONSYS	 FIELD SERVICE CLOUD	 NETSUITE	 SIEBEL	 SALESFORCE.COM

## On-Prem Connectivity

 E-BUSINESS SUITE	 SIEBEL	 J D EDWARDS	 SAP
 ORACLE DATABASE	 MY SQL DB	 MICROSOFT SQL SERVER	 IBM DB2

## Technology Connectivity

-  SOAP
-  REST
-  FILE
-  FTP
-  JMS
-  AQ
-  MESSAGING CLOUD



# ERP Connectivity



# ERP INTEGRATION – BUSINESS CHALLENGES

## ERP/SCM



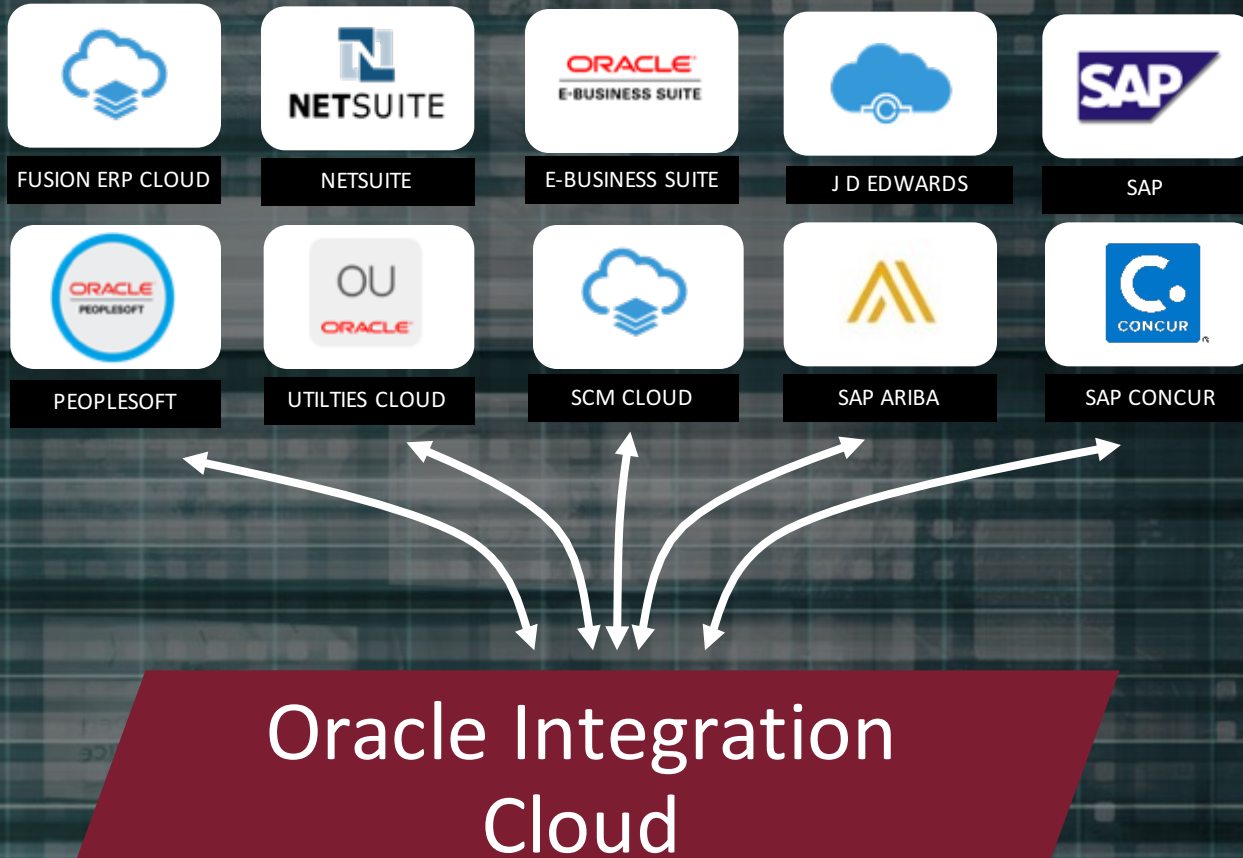
“We need to **consolidate** our **multiple order entry systems**”

“Our **supply chain** is connected by email and **needs to be integrated**”

“We need to process multiple journal at once, which is a **complicated multi-step process**”

“We need **visibility** into orders **throughout the process lifecycle**”

# ERP INTEGRATION WITH ORACLE INTEGRATION CLOUD



- SIMPLIFY REAL-TIME INTEGRATION USE CASES E.G. OPPORTUNITY TO ORDER, PROCUREMENT ETC
- REACT TO EVENTS IN ERP
- AUTOMATE COMPLEX FILE-BASED BATCH IMPORTS (E.G. FBFI IN FUSION ERP CLOUD)

# Oracle Fusion ERP Cloud – A World in Itself



**Financials**



**Procurement**



**Projects**



**Supply Chain**



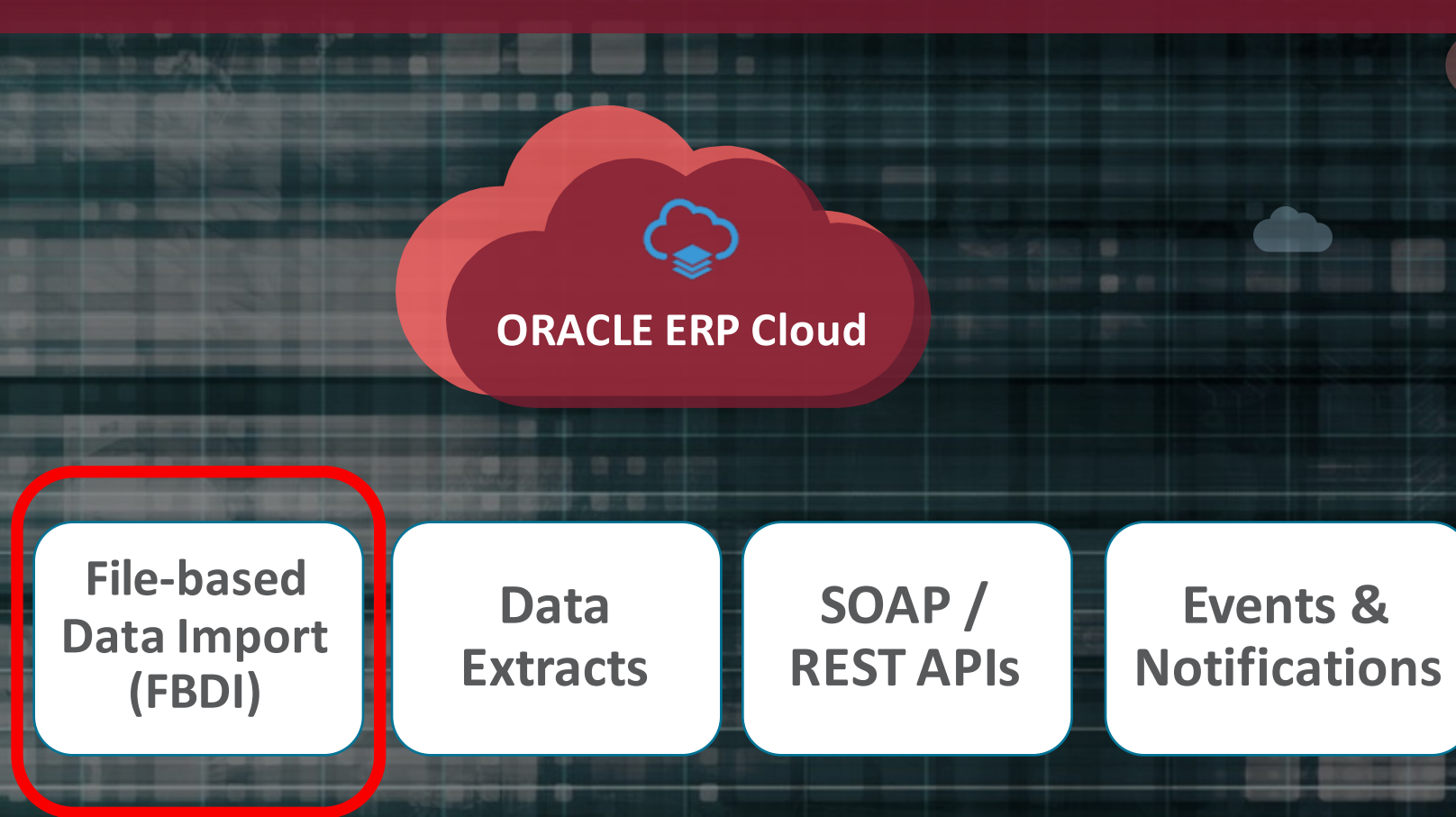
**EPM**

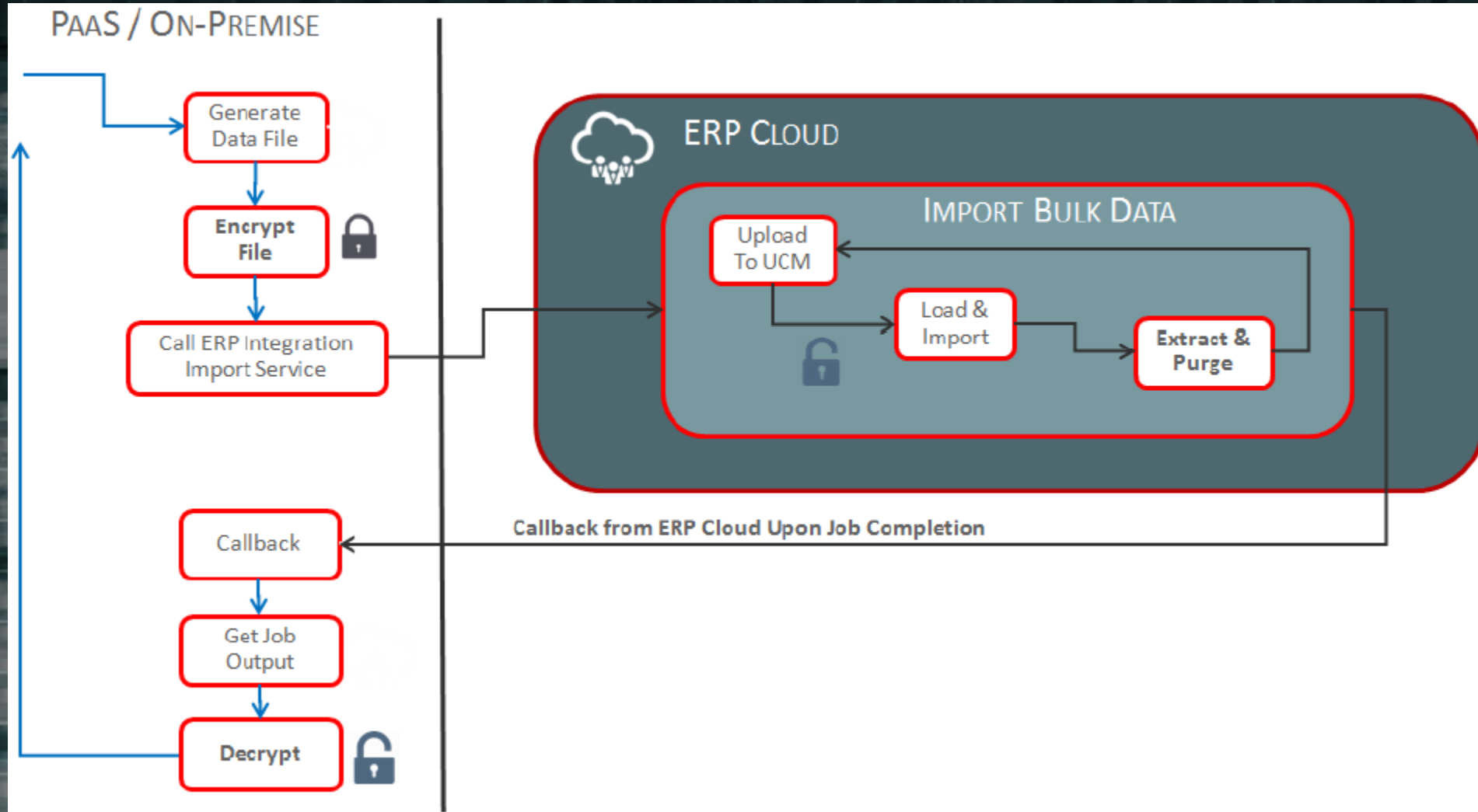


**Governance**

# Oracle ERP Cloud – Integration Interfaces

In a Nutshell





# ERP Adapter - FBDI Connectivity

## Let's Take a Quick Look



# HCM Connectivity



# FOCUS ON ORACLE FUSION HCM CLOUD INTEGRATION

## HCM



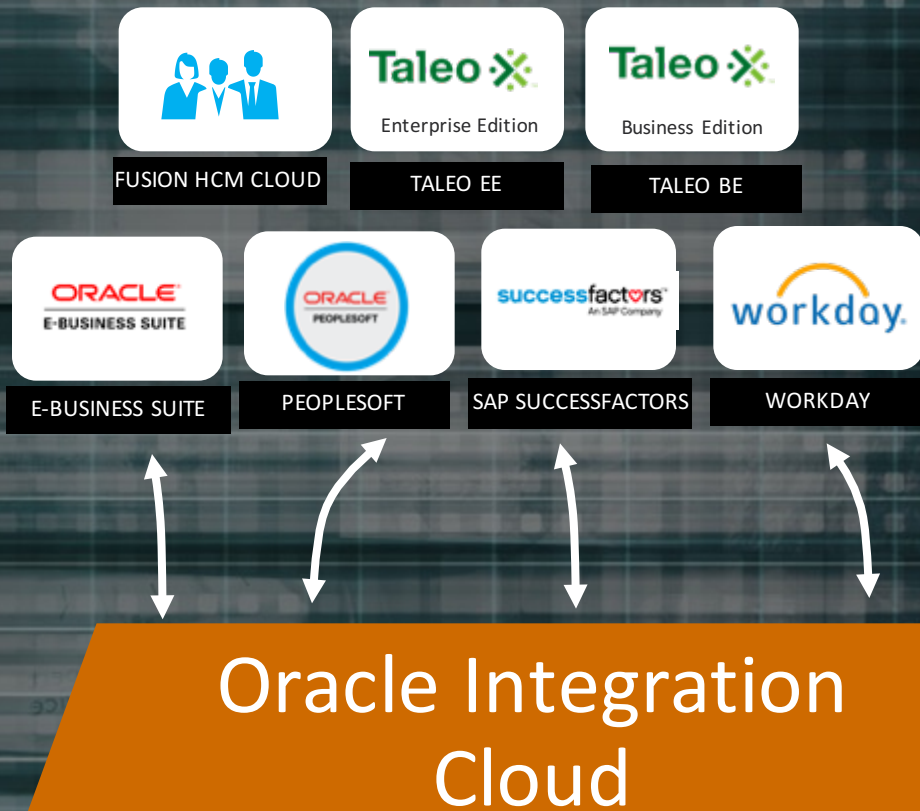
“We need our **modern and legacy HR** to work together seamlessly”

“We provide **inaccurate and delayed payroll data** to the general ledger”

“Our **on-boarding process is slow and error prone** due to manual processes”

“We don’t have **complete visibility** of our workforce”

# HRMS INTEGRATION WITH ORACLE INTEGRATION CLOUD



- REAL-TIME USE CASES E.G. EMPLOYEE ONBOARDING, RECRUITING, 3RD PARTY BENEFITS PROVIDER INTEGRATIONS ETC
- REACT TO EVENTS, SUCH AS ATOM FEEDS
- EXTRACT BATCH REPORTS, SUCH AS WORKDAY'S REPORTING-AS-A-SERVICE (RAAS)
- QUERY EMPLOYEE DATA VIA REST and SOAP Interfaces

# Oracle HCM Cloud – Integration Approaches



# React to HR Events in Real Time (ATOM Feeds)

**Publish feeds for updates such as “New Hire”, “Terminations”, “Employee Transfers/Promotions.” for interested external systems**

- > Employee Events ( Hire, Update ,Terminate)
- > Work Structure Events (Create ,Update, End Date)
  - > grades
  - > Jobs
  - > Locations
  - > Organizations
  - > Positions
- > Assignment Events (Create, Update, End Date)



E.g. Hire



External Systems receives updates for new hires/terminations etc

# HCM Adapter - ATOM Feeds Connectivity

Let's Take a Quick Look



# Key Takeaways



# TOP 10 BENEFITS OF ICS ADAPTERS

**#1 UNDERSTANDS TARGET APPLICATION**

**#2 MANAGES AUTHN, AUTHZN & SESSIONS**

**#3 SIMPLIFIES DISCOVERY OF SERVICES, BOS, ACTIONS, EVENTS, REPORTS, DATA IMPORT JOBS**

**#4 RECOGNIZES CUSTOMIZATIONS**

**#5 ENCAPSULATES APP INTERFACES COMPLEXITY  
– EXPOSING INTEGRATION FRIENDLY INTERFACES**

**#6 INVOKES APP OR GETS TRIGGERED BY EVENTS**

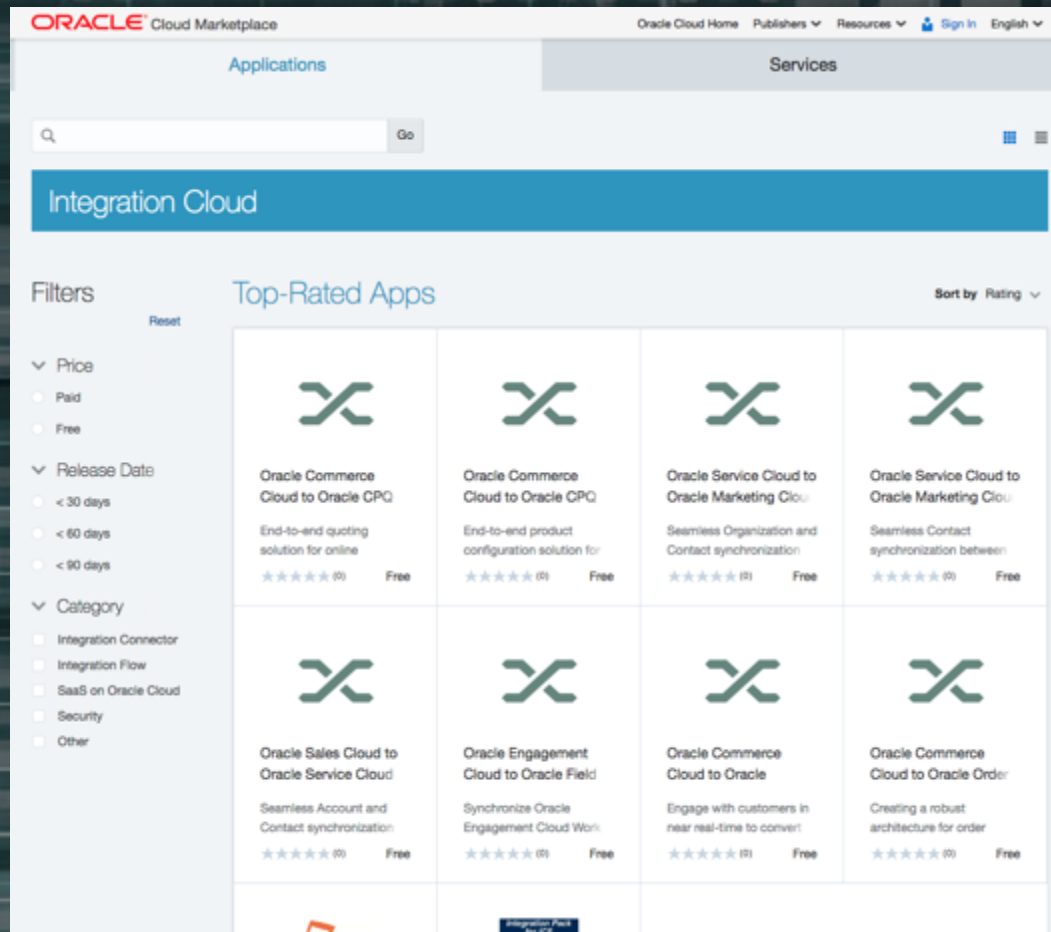
**#7 AUTOMATES MULTI-STEP INTEGRATIONS**

**#8 MAINTAINS COMPATIBILITY THROUGH APP UPGRADES**

**#9 SUPPORTS CURATION**

**#10 ALLOWS BUILDING YOUR OWN ADAPTERS**

# PRE-BUILT RECIPES, BY APPLICATION EXPERTS ON ORACLE CLOUD MARKETPLACE



## Prebuilt Integrations Available on the Oracle Cloud Marketplace for:

- Oracle Commerce Cloud
- Oracle CPQ Cloud
- Oracle E-Business Suite
- Oracle Engagement Cloud
- Oracle Field Service Cloud
- Oracle Logistics Cloud
- Oracle Marketing Cloud
- Oracle Order Management Cloud
- Oracle Sales Cloud
- Oracle Service Cloud
- Oracle Supply Chain Management Cloud
- Salesforce.com
- Service Now
- SAP
- SAP Ariba
- SAP Concur
- SAP Success Factors

# Integrated Cloud

## Applications & Platform Services

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