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# Project Integration Framework

Migration and Integration Accelerator

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**Oracle Consulting**

Construction and Engineering

## Safe harbor statement

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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.

# Program agenda

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- 1 **Oracle Construction and Engineering – Project Integration Framework (PIF)**
- 2 PIF - Screen Shots
- 3 Next Steps



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# Oracle Construction and Engineering Project Integration Framework (PIF)

Integration Accelerator



Reliable

Secure

Faster

Lower Cost

Sustainable

Expandable

**Project  
Integration  
Framework  
(PIF)**

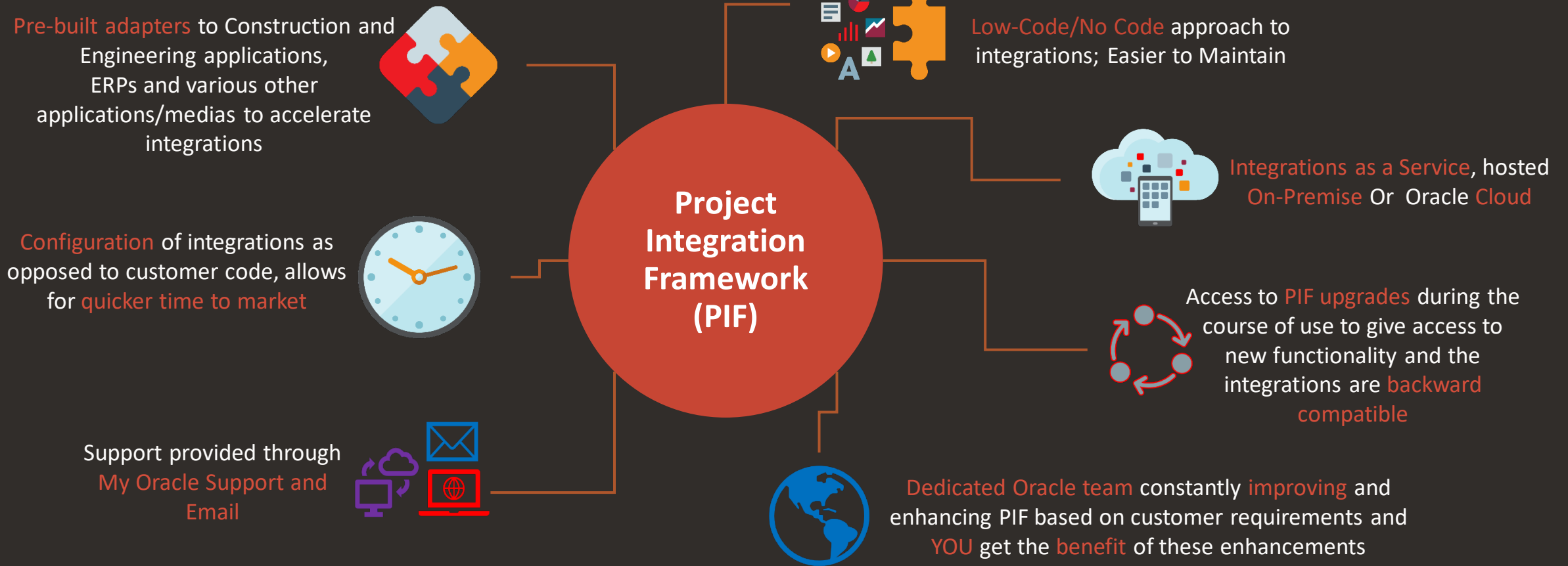
## Project Integration Framework (PIF) Mission Statement

*“Provide flexible, lightweight middleware to holistically address data services across Oracle Construction and Engineering Applications and related project management applications.”*

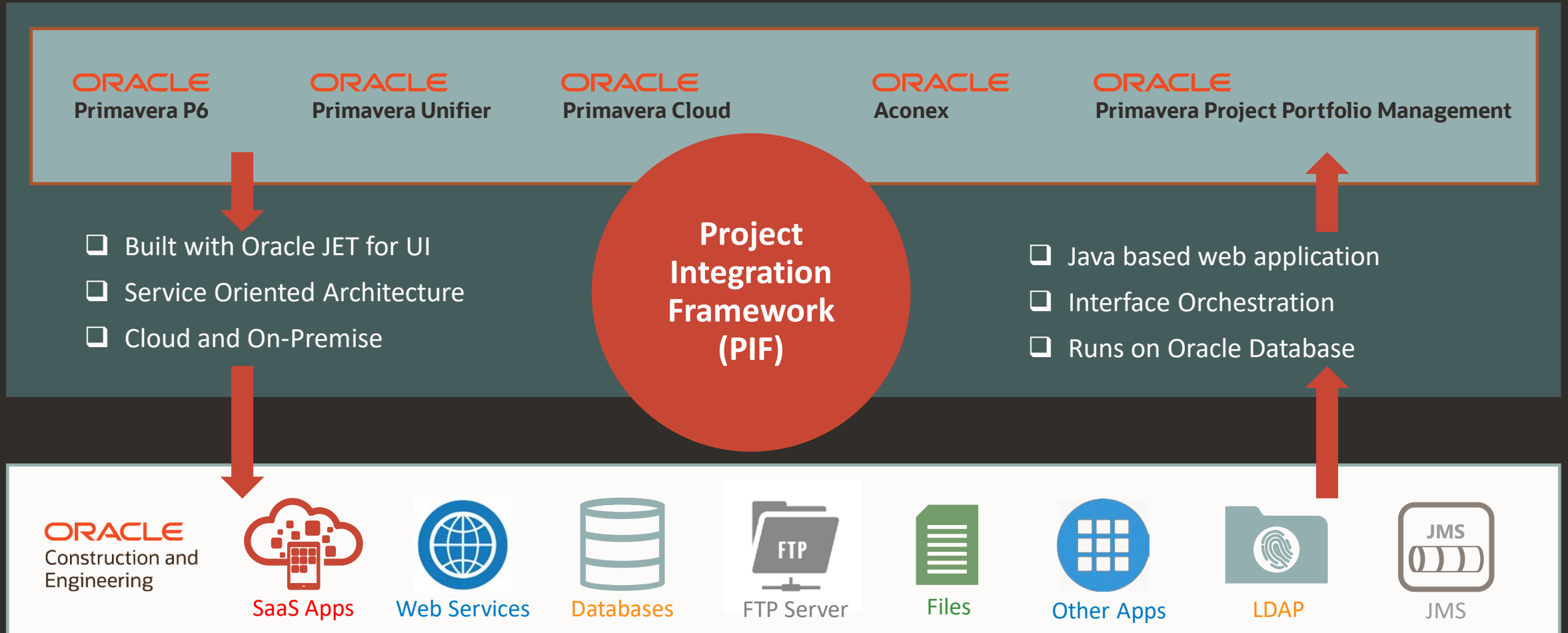


# Project Integration Framework (PIF)

PIF is a **Low-Code/No Code** web-based Consulting integration **accelerator to address integration ownership and maintenance challenges**



# PIF - Architecture





# Program agenda

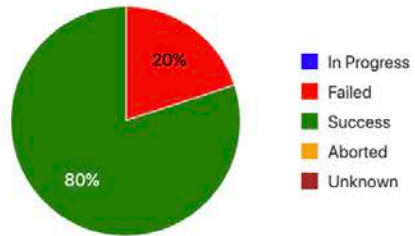
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- 1 Oracle Construction and Engineering – Project Integration Framework (PIF)
- 2 **PIF - Screen Shots**
- 3 Next Steps

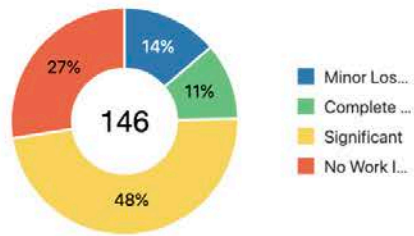


DASHBOARD

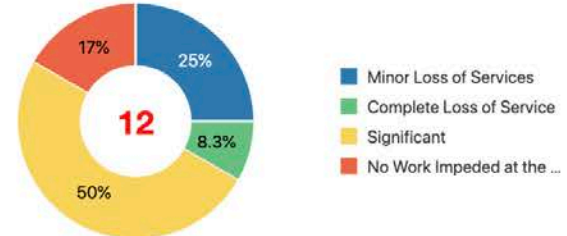
Overall Interface Status



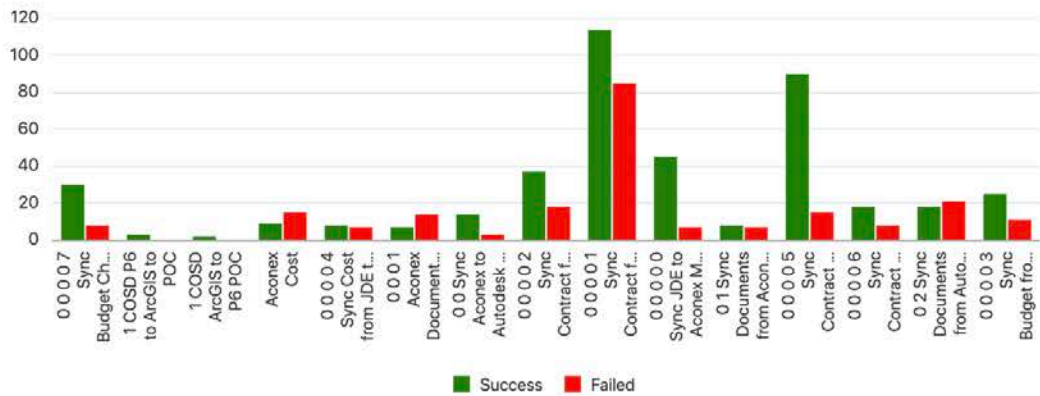
Overall Tickets



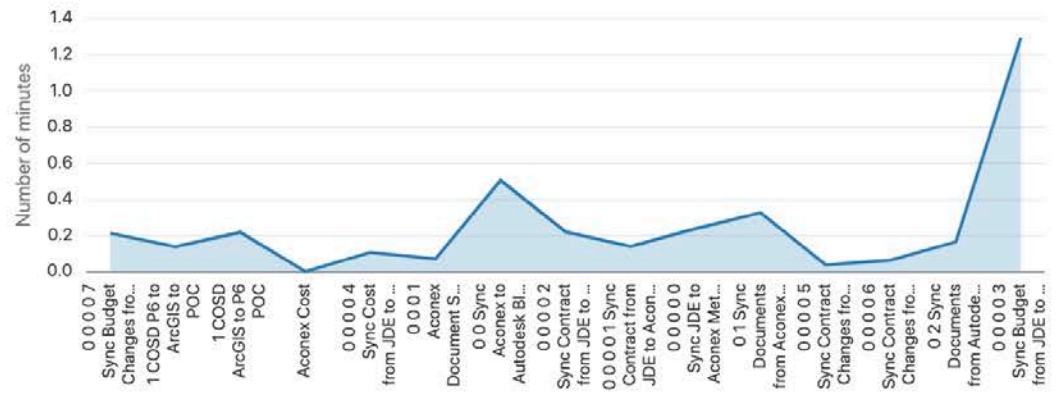
Open Tickets



Interface Summary by Status



Average Time Taken by Interface



INTERFACES

+ New
 Edit
 Delete
 Clone
 Configure
 Run Now
 Run w/o Dependencies
 Export
 Import

Clone

Import/Export

| Name   | Description  | Source           | Target           | Schedule | Date Created        | Last Updated        | Status                              |
|--|--|------------------|------------------|----------|---------------------|---------------------|-------------------------------------|
| Sync JDE   | Sync JDE to Aconex Metadata                          | Aconex           | PIF              | Manual   | 05/23/2019 22:03:34 | 07/30/2019 11:31:57 | <input checked="" type="checkbox"/> |
| Sync Contract - Upstream                             | Sync Contract from JDE to Aconex - Upstream          | PIF              | Aconex           | Manual   |                     | 07/30/2019 11:32:06 | <input checked="" type="checkbox"/> |
| Sync Contract from JDE to Aconex - Downstream        | Sync Contract from JDE to Aconex - Downstream        | PIF              | Aconex           | Manual   |                     | 07/30/2019 11:32:15 | <input checked="" type="checkbox"/> |
| Sync Budget from JDE to Aconex                       | Sync Budget from JDE to Aconex                       | PIF              | Aconex           | Manual   |                     | 07/30/2019 11:32:22 | <input checked="" type="checkbox"/> |
| Sync Cost from JDE to Aconex                         | Sync Cost from JDE to Aconex                         | PIF              | Aconex           | Manual   | 05/31/2019 07:43:00 |                     | <input checked="" type="checkbox"/> |
| Sync Contract Changes from Aconex to JDE -Upstream   | Sync Contract Changes from Aconex to JDE -Upstream   | Aconex           | PIF              | Manual   | 05/24/2019 07:08:09 |                     | <input checked="" type="checkbox"/> |
| Sync Contract Changes from Aconex to JDE -Downstream | Sync Contract Changes from Aconex to JDE -Downstream | Aconex           | PIF              | Manual   | 05/25/2019 04:53:14 | 07/30/2019 11:32:49 | <input checked="" type="checkbox"/> |
| Sync Budget Changes from Aconex to JDE               | Sync Budget Changes from Aconex to JDE               | Aconex           | PIF              | Manual   | 05/26/2019 21:39:36 | 07/30/2019 11:32:55 | <input checked="" type="checkbox"/> |
| Aconex Mail Service                                  | Aconex Mail Service                                  | Aconex           | PIF              | Manual   | 04/02/2019 06:55:43 | 07/30/2019 11:33:05 | <input checked="" type="checkbox"/> |
| Aconex Document Service                              | Aconex Document Service                              | Aconex           | PIF              | Manual   | 04/02/2019 06:55:56 | 07/30/2019 11:33:13 | <input checked="" type="checkbox"/> |
| Aconex Project Service                               | Aconex Project Service                               | Aconex           | PIF              | Manual   | 04/02/2019 06:56:29 | 07/30/2019 11:33:20 | <input checked="" type="checkbox"/> |
| Aconex Task Service                                  | Aconex Task Service                                  | Aconex           | PIF              | Manual   | 04/02/2019 07:39:38 | 07/30/2019 11:33:29 | <input checked="" type="checkbox"/> |
| Aconex Directory Service                             | Aconex Directory Service                             | Aconex           | PIF              | Manual   | 04/02/2019 17:10:39 | 07/30/2019 11:33:36 | <input checked="" type="checkbox"/> |
| Aconex to Autodesk BIM 360 Metadata                  | Sync Aconex to Autodesk BIM 360 Metadata             | Aconex           | Autodesk BIM 360 | Manual   | 07/02/2019 23:19:58 | 07/30/2019 11:33:44 | <input checked="" type="checkbox"/> |
| Sync Documents from Aconex To Autodesk BIM 360       | Sync Documents from Aconex To Autodesk BIM 360       | Aconex           | Autodesk BIM 360 | Manual   | 07/02/2019 23:20:09 | 07/30/2019 11:33:56 | <input checked="" type="checkbox"/> |
| Sync Documents from Autodesk BIM 360 to Aconex       | Sync Documents from Autodesk BIM 360 to Aconex       | AutoDesk BIM 360 | Aconex           | Manual   | 07/02/2019 23:20:23 | 07/30/2019 11:34:03 | <input checked="" type="checkbox"/> |
| SRaavi Create Customer Info from Excel to Unifier    | Create Customer Info from Excel to Unifier           | Excel            | Unifier 18.8     | Manual   | 05/12/2019 22:48:03 | 07/30/2019 11:34:13 | <input type="checkbox"/>            |
| Aconex to SharePoint Data Validation - Doc           | Aconex to SharePoint Data Validation                 | SharePoint       | PIF              | Manual   | 03/13/2019 14:37:54 | 07/30/2019 11:34:25 | <input checked="" type="checkbox"/> |

Sortable Columns

Run On Demand

Configurable Schedule

Toggle Active

Drillable Interfaces



INTERFACE → SYNC CONTRACT FROM JDE TO ACONEX – UPSTREAM (#521)

[← Back](#)
[+ New ▾](#)
[✎ Edit](#)
[🗑 Delete](#)
[📄 Clone](#)
[▶ Run Now](#)
[▶ Run w/o Dependencies](#)
[📁 Files](#)

| Sequence | Step ID | Service Name               | Description                                   | Execute Criteria                     | Server               | Status                              |
|----------|---------|----------------------------|---|--------------------------------------|----------------------|-------------------------------------|
| ☆ 5      | 1246    |                            | Clean Up Stage Tables                         | Always Execute                       | ▾                    | <input checked="" type="checkbox"/> |
| ☆ 10     | 981     |                            | Get Contract Upstream File from Shared Folder | Always Execute                       | ▾ O&G FTP Server     | <input checked="" type="checkbox"/> |
| ☆ 20     | 982     |                            | Load Data to PIF Staging Table                | Previous step completed successfully | ▾                    | <input checked="" type="checkbox"/> |
| ☆ 25     | 1442    | SQLService                 | Trim Trailing and Leading Space in Data       | Always Execute                       | ▾                    | <input checked="" type="checkbox"/> |
| ☆ 30     | 1221    | AconexConnectedCostService | Retrieve Upstream Contract List               | Previous step completed successfully | ▾ Aconex Cost Server | <input checked="" type="checkbox"/> |
| ☆ 40     | 1222    | AconexConnectedCostService | Retrieve Pay Item list based on Contract      | Previous step completed successfully | ▾ Aconex Cost Server | <input checked="" type="checkbox"/> |
| ★ 50     | 1241    | AconexConnectedCostService | Create Upstream Contract                      | Always Execute                       | ▾ Aconex Cost Server | <input checked="" type="checkbox"/> |
| ☆ 60     | 1281    | AconexConnectedCostService | Update Upstream Contract                      | Always Execute                       | ▾ Aconex Cost Server | <input checked="" type="checkbox"/> |
| ☆ 70     | 1242    | AconexConnectedCostService | Retrieve Upstream Contract List               | Always Execute                       | ▾ Aconex Cost Server | <input checked="" type="checkbox"/> |
| ☆ 80     | 1243    | AconexConnectedCostService | Create Upstream Contract PayItem              | Always Execute                       | ▾ Aconex Cost Server | <input checked="" type="checkbox"/> |
| ☆ 90     | 1301    | AconexConnectedCostService | Update Upstream Contract PayItem              | Always Execute                       | ▾ Aconex Cost Server | <input checked="" type="checkbox"/> |
| ☆ 100    | 1244    | SQLService                 | Clean Up Pay Item Stage Table                 | Always Execute                       | ▾                    | <input checked="" type="checkbox"/> |
| ☆ 110    | 1245    | AconexConnectedCostService | Retrieve Pay Item list based on Contract      | Previous step completed successfully | ▾ Aconex Cost Server | <input checked="" type="checkbox"/> |
| ☆ 120    | 1261    | AconexConnectedCostService | Delete Initial Pay Item                       | Always Execute                       | ▾ Aconex Cost Server | <input checked="" type="checkbox"/> |
| ☆ 130    | 1443    | AconexConnectedCostService | Update Upstream Contract                      | Always Execute                       | ▾ Aconex Cost Server | <input checked="" type="checkbox"/> |
| ☆ 140    | 1362    | EmailService               | Email Notification for Errors                 | Always Execute                       | ▾ Oracle SMTP        | <input checked="" type="checkbox"/> |

**Interface steps run in prepared sequence**





INTERFACE → SYNC CONTRACT P

← Back + New Edit

| Sequence | Step ID | Service Name               |
|----------|---------|----------------------------|
| ☆ 5      | 1246    | SQLService                 |
| ☆ 10     | 981     | FTPService                 |
| ☆ 20     | 982     | CSVService                 |
| ☆ 25     | 1442    | SQLService                 |
| ☆ 30     | 1221    | AconexCostService          |
| ☆ 40     | 1222    | AconexCostService          |
| ★ 50     | 1241    | AconexCostService          |
| ☆ 60     | 1281    | AconexCostService          |
| ☆ 70     | 1242    | AconexCostService          |
| ☆ 80     | 1243    | AconexCostService          |
| ☆ 90     | 1301    | AconexCostService          |
| ☆ 100    | 1244    | SQLService                 |
| ☆ 110    | 1245    | AconexCostService          |
| ☆ 120    | 1261    | AconexCostService          |
| ☆ 130    | 1443    | AconexConnectedCostService |
| ☆ 140    | 1362    | EmailService               |

### Update Step - AconexConnectedCostService

**Description \***  
Create Upstream Contract

**Step Sequence \***  
50

**Status**

**Server \***  
Aconex Cost Server

**Object Name**  
Contracts

**Rest Services Method Name**  
Create

**Table Name**  
JDE\_ACX\_CONTRACT\_UPSTREAM

**Primary Key Name**  
projectid~projectIdCONTRACTNO~\_code

**Parser Type**  
Single Table

**Parse From**  
body

**Response Table Name**  
ACX\_CONTRACT\_US

**Response Primary Key**  
id

**Integration Success Status**  
Upstream Contract Created Successfully

**Integration Failure Status**  
Exception in Creating Upstream Contract

**Truncate Tables before Run?**

+ New

Save Cancel

Where interface steps are configured

| Server               | Status                              |
|----------------------|-------------------------------------|
| ▼                    | <input checked="" type="checkbox"/> |
| ▼ O&G FTP Server     | <input checked="" type="checkbox"/> |
| ▼                    | <input checked="" type="checkbox"/> |
| ▼                    | <input checked="" type="checkbox"/> |
| ▼ Aconex Cost Server | <input checked="" type="checkbox"/> |
| ▼ Aconex Cost Server | <input checked="" type="checkbox"/> |
| ▼ Aconex Cost Server | <input checked="" type="checkbox"/> |
| ▼ Aconex Cost Server | <input checked="" type="checkbox"/> |
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| ▼ Aconex Cost Server | <input checked="" type="checkbox"/> |
| ▼ Aconex Cost Server | <input checked="" type="checkbox"/> |
| ▼ Aconex Cost Server | <input checked="" type="checkbox"/> |
| ▼ Aconex Cost Server | <input checked="" type="checkbox"/> |
| ▼ Oracle SMTP        | <input checked="" type="checkbox"/> |



# Program agenda

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- 3 **Next Steps**





## Next Steps



# Now Ready for Priority Boarding

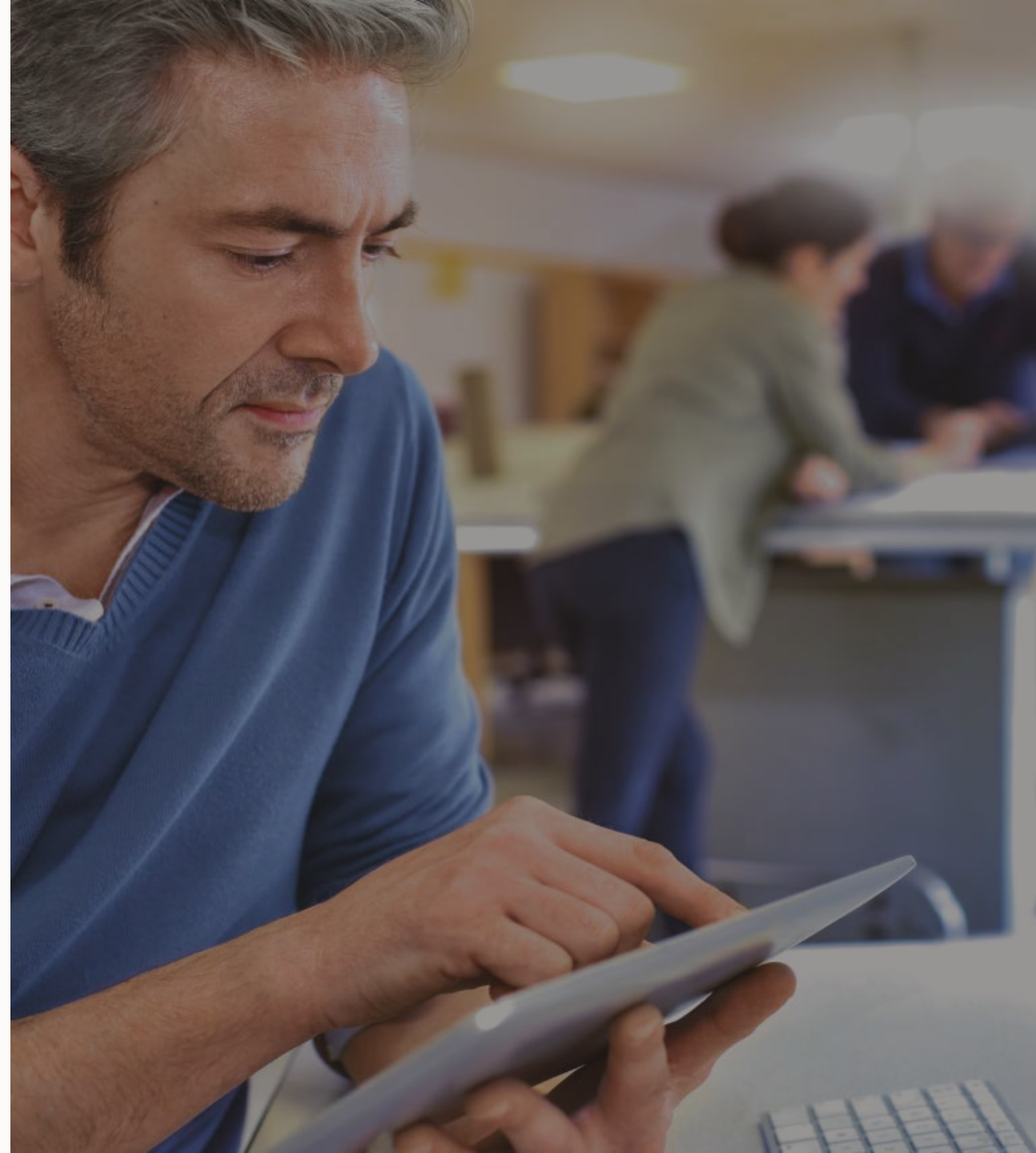
Ready to learn more about Oracle's automated journey to the cloud?

Please contact:

Americas: [dwayne.alleyne@oracle.com](mailto:dwayne.alleyne@oracle.com)

EMEA: [ravinder.s.shekhawat@oracle.com](mailto:ravinder.s.shekhawat@oracle.com)

ANZ/Asia: [jesper.lerrin@oracle.com](mailto:jesper.lerrin@oracle.com)





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