

On Tech Orchestrator and OCI

Make it Work with the World

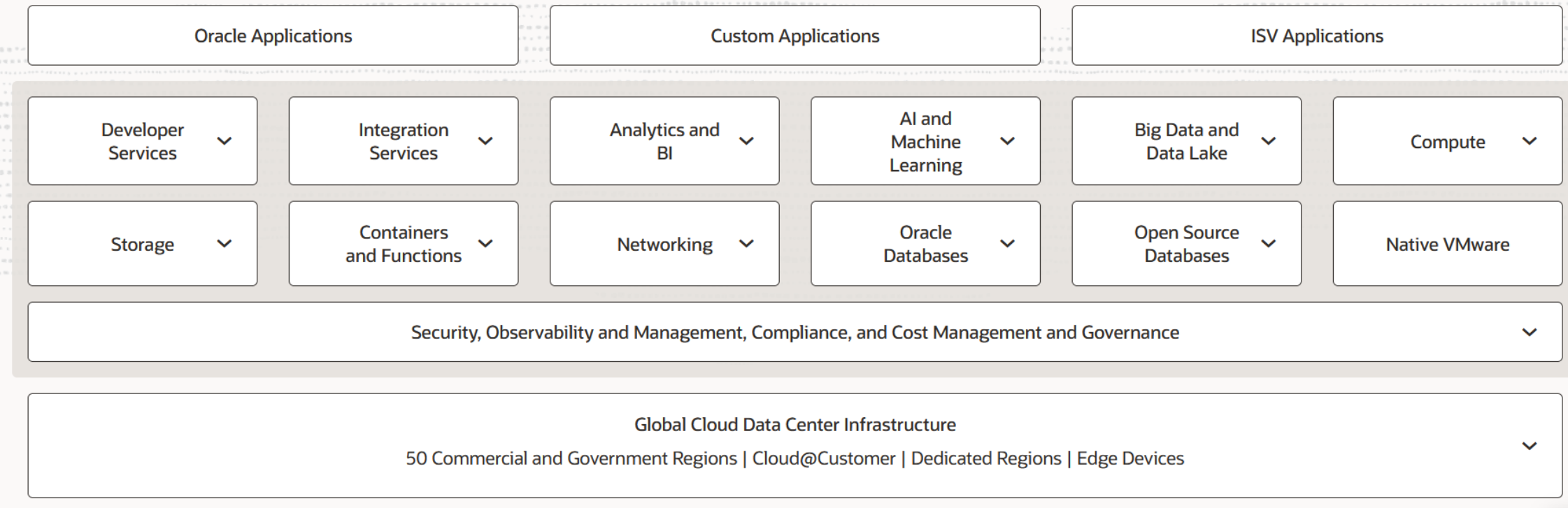
September 30, 2025

Mark Herwege

Master Principal Solution Engineer
Apps Unlimited JDE WE



OCI Services

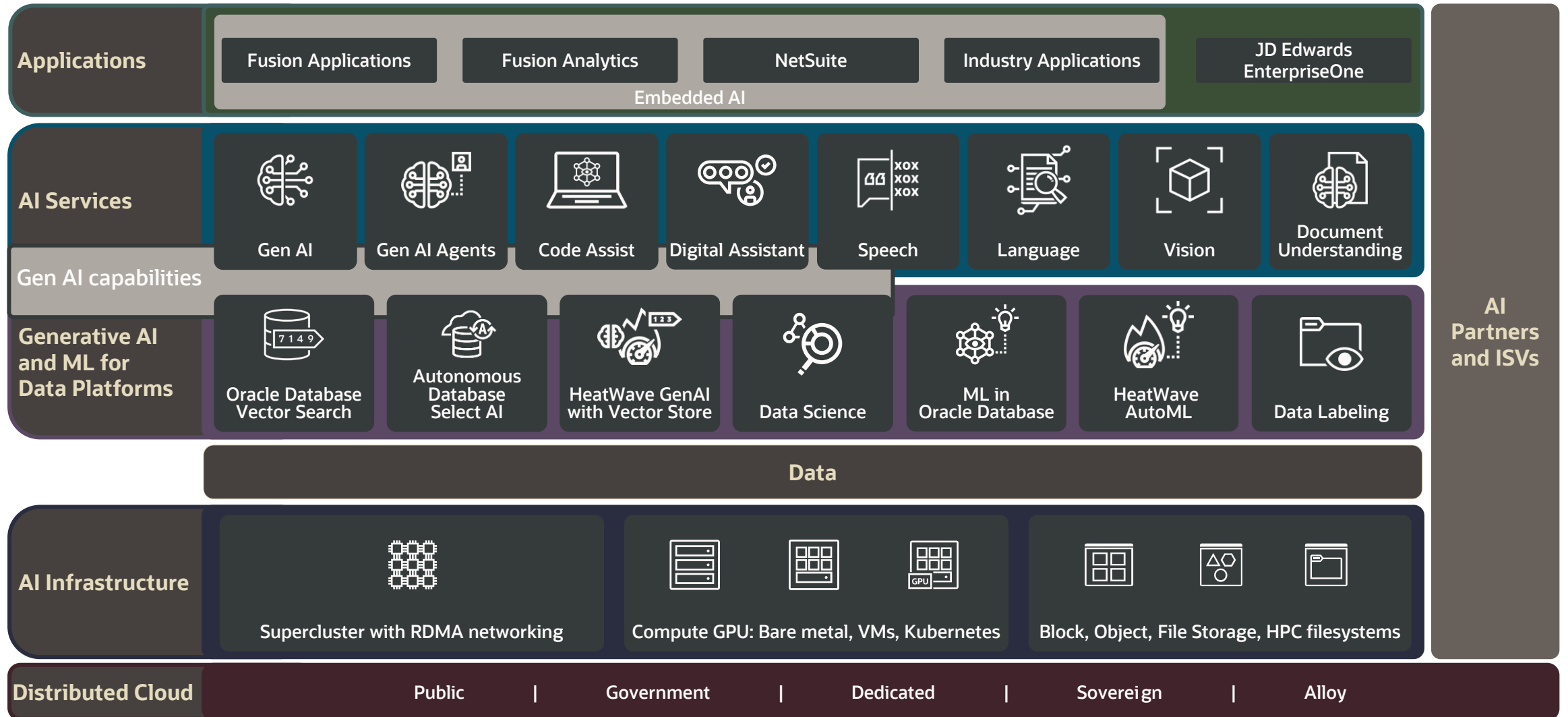


174 live or planned regions¹

174 live or planned regions¹



The Oracle AI Stack



Calling OCI Services from Orchestrator

So, that means calling it from a JD Edwards EnterpriseOne page, Form, event, schedule, custom mobile UI...

Authentication for Oracle Cloud Infrastructure Services

Use Orchestrator to authenticate to and invoke a wide range of OCI services

Business Problem:

The EnterpriseOne digital platform, and specifically EnterpriseOne Orchestrator, enable the EnterpriseOne system to participate in process automation, integration, and data exchange with external systems and Cloud services, notably Cloud services offered by Oracle Cloud Infrastructure. Of course those integrations must happen securely.

Solution:

This feature extends the supported authentication mechanisms that EnterpriseOne Orchestrator can use to invoke external services provided by Oracle Cloud Infrastructure. Specifically, this feature enables the use of Oracle Cloud Infrastructure API Signature Version 1 to authenticate to services such as Oracle Document Understanding.

New Security option in Connector

The screenshot shows the 'Security' tab in the 'New Security option in Connector' interface. The 'Security Policy' dropdown is set to 'OCI API Key-Based Authentication'. Below it, the 'OCI Configuration File' field contains a sample configuration: [DEFAULT], user=xxx.xxx.xxx...alsjfdjlaksjdfiakjsjfaakjj2lkj32j32lj3lkj3l2jj2j3lj2ljslkajaldajvlkejrejekjrell, fingerprint=xx:aa:aa:bb:cc:dd:dd:ee:ff:11:22:33:44:55:66:77, tenancy=alskdj:aljkdf:xxx:yyy:203432482934:aksdjfajsdjfaakdjfakd, region=xx-yyyyy-1, key_file=&path to your privatekeyfile&. The 'Private Key File Name' field contains xxx_vvv_zzz.pem. A red box highlights the 'Security Policy' dropdown and the 'OCI Configuration File' field.

OCI SDK Authentication Methods

The OCI SDK and CLI supports the following authentication methods:

- API key-based authentication
- Session token-based authentication
- Instance principal
- Resource principal

This section discusses each method in detail and provides examples.

API Key-Based Authentication

In this authentication method, you create a configuration file and store it on the local disk. The configuration file contains details such as the user OCID, tenancy OCID, region, private key path, and fingerprint. This authentication method creates a permanent configuration file on your machine. It should be used if you are working from a secure network and are comfortable storing private keys and configuration locally.

See OCI Documentation:

https://docs.oracle.com/en-us/iaas/Content/API/Concepts/sdk_authentication_methods.htm

-
- The screenshot shows a list of OCI services under the 'Infrastructure Services' category. The list includes: Service Essentials, Access Governance, Analytics Cloud, Anomaly Detection, API Gateway, Application Dependency Management, Application Performance Monitoring, Archive Storage, and Artifact Registry.

Authenticate to and use (orchestrate) a LONG list of OCI REST APIs

Configuration File and Private Key

The screenshot shows the Oracle Cloud console interface. On the left, the user profile 'mark.herwege@' is visible under the 'Identity' section. Below this, the 'API keys' section is active, showing a search bar and buttons for 'Add API key' and 'Delete'. The main content area displays the 'Configuration file preview' for a specific API key. A note explains that the snippet provides basic authentication information for the SDK, CLI, or other OCI developer tools. The snippet includes a fingerprint and a default configuration for the user 'ocid1.user.oc1..aaaaaaaaxsqnpephjuexdnddzwemix77bki7t2sb5azwqigah7jraug2fkoa'. The configuration snippet is as follows:

```
[DEFAULT]
user=ocid1.user.oc1..aaaaaaaaxsqnpephjuexdnddzwemix77bki7t2sb5azwqigah7jraug2fkoa
fingerprint=4c:0c:e4:eb:ce:94:96:55:f9:e4:a6:fd:18:8d:33:9b
tenancy=ocid1.tenancy.oc1..aaaaaaaahbhp3zfbt55hbgysufj6tryklkb6sk7pf147ptexjfvjxz2fpfa
region=eu-frankfurt-1
key_file=<path to your private keyfile> # TODO
```

At the bottom of the preview, there is a 'Copy' button next to the configuration snippet.

API keys under your user profile



AI Vision Orchestration

**Oracle OCI AI and the
Orchestrator
14:00 Freddy Fine**



Image source

Local file

Upload an image from local file.

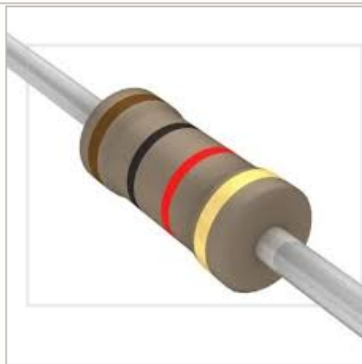


Object storage

Paste the object storage URL of image.

Upload image

Drop a file or [select one...](#)
Upload image



Images



Selected: Resistor1KO.jpg

< > Code for image inferencing

Results ⓘ

Label

CR010-1W-5T-100

Confidence

55.37%

> Request

▼ Response

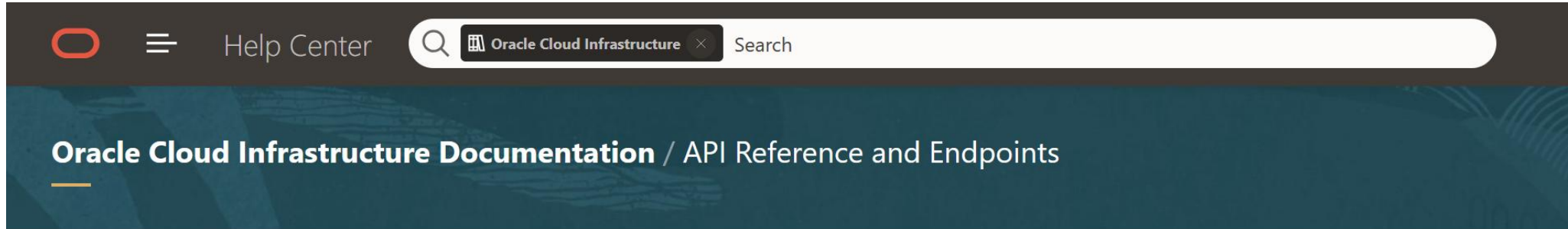
JSON

Copy

```
{
  "imageObjects": [
    {
      "name": "CR010-1W-5T-100",
      "confidence": 0.5536778,
      "boundingPolygon": {
        "normalizedVertices": [
          {
            "x": 0.06222222222222222,
            "y": 0.11111111111111111
          },
          {
            "x": 1,
            "y": 0.11111111111111111
          },
          {
            "x": 1,
            "y": 0.06222222222222222
          },
          {
            "x": 0.06222222222222222,
            "y": 0.06222222222222222
          }
        ]
      }
    }
  ]
}
```



OCI API Documentation



API Reference and Endpoints

- ▶ Access Governance APIs
- ▶ AiDataPlatform Control Plane API
- ▶ Amazon S3 Compatibility API
- ▶ Analytics API
- ▶ Announcements Service API
- ▶ API Gateway API
- ▶ APM Availability Monitoring API
- ▶ Application Dependency Management API
- ▶ Application Performance Monitoring Configuration API
- ▶ Application Performance Monitoring Control Plane API

API Reference and Endpoints

The following Oracle Cloud Infrastructure APIs are available:

Access Governance APIs

Use the Oracle Access Governance API to create, view, and manage GovernanceInstances.

+ [Endpoints](#)

AiDataPlatform Control Plane API

Use the AiDataPlatform Control Plane API to manage Data Lakes.

+ [Endpoints](#)



Calling an Orchestration from Anywhere

So, that means calling it an OCI service, Digital Assistant, AI Agent, alternative UI, other application, JD Edwards...

Calling an Orchestration

- An orchestration is a REST API endpoint on the AIS Server
 - See: <https://docs.oracle.com/en/applications/jd-edwards/cross-product/9.2/rest-api/index.html>
 - Can be called from anywhere
 - Catalog
 - Swagger or Open API definitions can be generated from Orchestrator Studio
 - <https://xxx.xxx.xxx.xxx:xxxx/jderest/v3/open-api-catalog3>
 - **Authentication – Enable in the Server Manager**
 - Username/password
 - HTTP Basic Authorization
 - PS Token
 - OAuth 2.0 JWT (with Oracle Access Manager)
 - Header based authentication (requesting and using an AIS token, tokenrequest endpoint)

≡

←

→

Home

Workspaces ▾

API Network

Q

Search Postman

Ctrl K

Invite

⚙️

🔔

🔴

Upgrade ▾

—

□

✕

Orchestrator

New

Import

<

Overview

POST OCI

POST OCI

Orche

GET Get O

GET Get O

Orche

>

+

▾

No environment ▾

📄

🗑️ Collections

+

🔍 Search collections

📁 Create User Profile

📁 CreateUsersFromCSV

📁 Daily News

📁 File Upload to Object Storage

📁 GemGP + ⋮

📁 POST GemGP

📁 GET GemGP

📁 Gemiddelde Graanprijs

📁 GGP

📁 Graanprijs

📁 Happy Hour

📁 Intelligent Inventory

📁 List Equipment Down

📁 OCI Inspect with Vision

📁 OCI Inspect With Vision Stateful

📁 OCI Receipt to E1 Expense

📁 Order Activity Rules

📁 Order Amount Graph + ⋮

📁 OrderAmount

📁 Prijsevolutie Graan

📁 Report Broken Equipment

📄

Environments

📄

Flows

📄

APIs

📄

History

📄

🔗 HTTP

Orchestrator Workshop Swagger / GemGP / GemGP

📄 Save ▾

Share

🔗

GET ▾

{{baseUrl}}/GemGP

Send ▾

Params

Authorization ●

Headers (9)

Body

Scripts

Tests

Settings

Cookies

Query Params

	Key	Value	Description	⋮ Bulk Edit
	Key	Value	Description	

Body

Cookies (1)

Headers (13)

Test Results

🔄

200 OK

• 3.59 s

• 720 B

🌐

📄 Save Response ⋮

{} JSON ▾

▶ Preview

🔗 Visualize ▾

🔍

📄

🔗

```
1 {
2   "Identifier2ndItem": "null",
3   "AmtPricePerUnit2": 10.975,
4   "jde__status": "SUCCESS",
5   "jde__startTimestamp": "2025-09-29T09:54:40.500+0000",
6   "jde__endTimestamp": "2025-09-29T09:54:43.991+0000",
7   "jde__serverExecutionSeconds": 3.491
8 }
```

Order Amount Graph

View more actions

📄

✓ Online

🔍 Find and replace

📄 Console

2 Import Complete

🔗 Postbot

▶ Runner

🔗 Start Proxy

🔗 Cookies

🏠 Vault

🗑️ Trash

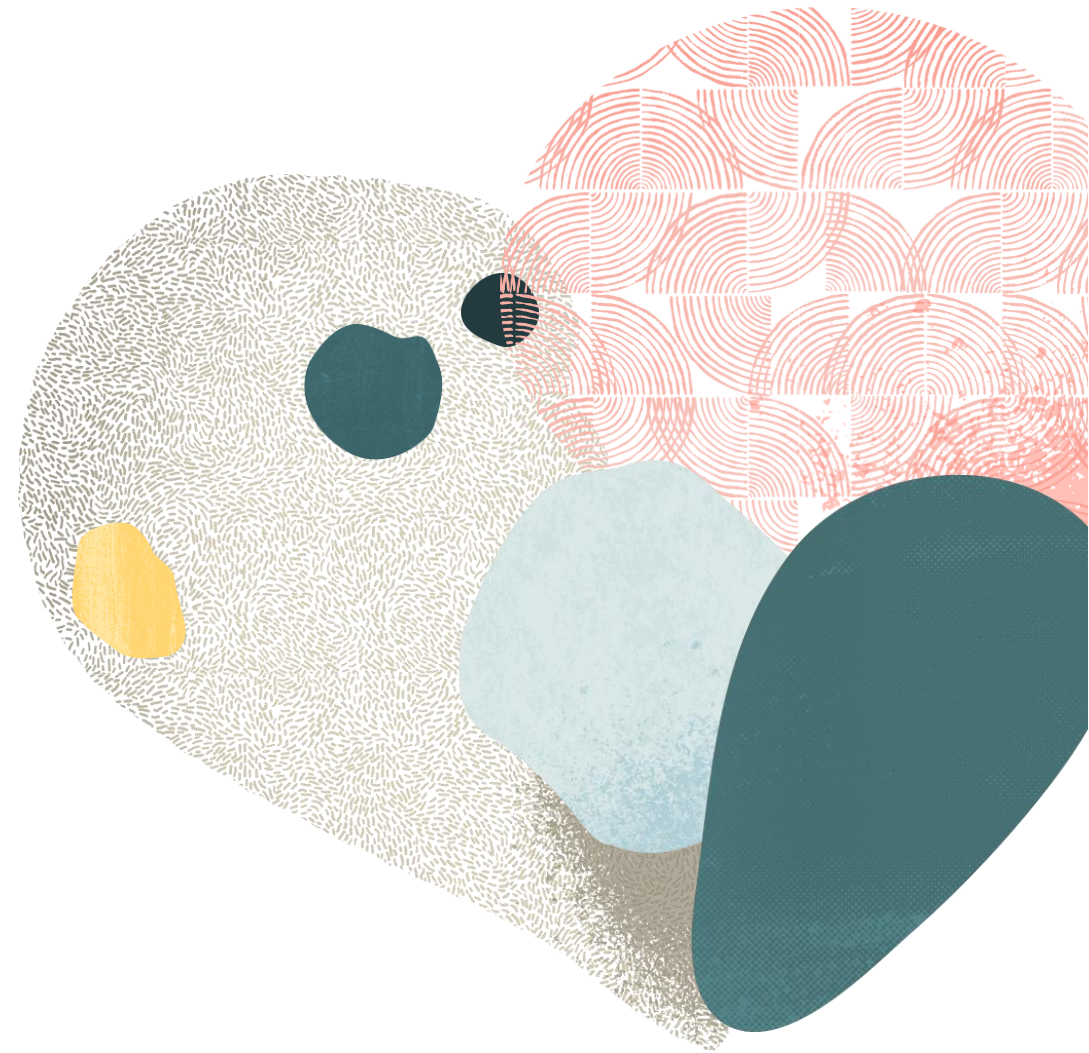
⛶

?



Together, we will relentlessly
improve and **innovate**.

Together, we will **optimize**
and **transform** how you use
Oracle applications and
technologies.



#JDERocks

