



SecureOracle v8.0

Demo Platform for Oracle IAM Suite 12c R2 PS4 (12.2.1.4.0)

Ricardo Gutierrez
Lead Security Architect
January, 2020

ORACLE
NA Tech Solution Engineering

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.

SecureOracle Overview

*“A demonstration platform for the **Oracle IAM Suite** aimed to empower security consultants during the pre-sales cycle”*

Include the following pre-configured IAM Suite components and tools:

- **Identity Governance**
 - OIG 12c, SOA Suite 12c, BI Publisher 12c, OUD 12c, DB 19c and 12c Connectors
- **Access Management**
 - OAM 12c, OHS/WebGate 12c, OUD 12c and DB 19c
- **Development Tools and Assets**
 - JDeveloper 12c with SOA Extensions, SQL Developer 19.2.1, Apache Studio 2 and Oracle APEX 19.2
 - Demo My HR and My IGA Applications and Scenarios

IAM Suite – Business Value

- **Cloud ready release**
 - Deploy on OCI (continue benefit of feature set, preserve existing investments)
 - Hybrid cloud (support on-prem, private and public cloud)
 - Pave the way to IDCS and IGCS
- **Still quite a large base of 11g customers**
 - Delayed move to 12c due to “complex upgrades” or “unaware” of new features on release 12c
 - Perception of “old-fashioned”, “hard to integrate” with current and new apps

What's new in SecureOracle v8.0 – 1/4

- Fresh install of IAM Suite 12c R2 PS4 (12.2.1.4.0)
 - Identity Management includes:
 - OIM 12c, SOA Suite 12c, BI Publisher 12c, OUD 12c, DB 19c and 12c Connectors
 - Access Management includes:
 - OAM 12c, HTTP/WebGate 12c, OUD 12c and DB 19c
 - Development Tools and Assets:
 - JDeveloper 12c with SOA Extensions, SQL Developer 19.2.1, Apache Studio 2 and APEX 19.2
 - Demo My HR and My IGA Applications and Scenarios
 - Cockpit Web Console to easily start/stop components, HTTPie to interact with RESTful APIs
- Additional 12c connectors
 - Including DBAT, Flat File, ServiceNow, SAP, E-Business Suite

What's new in SecureOracle v8.0 – 2/4

- Updated documentation and email tools
 - SecureOracle Documentation
 - Updated Getting Started Guide
 - New and Updated Use Cases
 - Open source email server and client (to support demos/use cases)
 - Webmail client: Roundcube with support to HTML content
 - Email server: Hedwig with simple UI console to maintain email accounts
- New Hybrid Use Cases
 - Including OIG provisioning and OAM WebGate cloud-mode integration with IDCS
- SO images available in 2 flavors
 - Oracle Cloud Infrastructure (OCI) and VMware-VirtualBox

What's new in SecureOracle v8.0 – 3/4

- **OIG 12c connectors**

- Installed connectors
 - Box, Concur, DB Applications Table, Oracle/MySQL DB User Management, Flat File, Google Apps, GoToMeeting, IDCS, Microsoft AD User Management, Office365, EBS Employee Reconciliation, EBS User Management, OID/ODSEE/OUD/LDAP, Salesforce, SAP Success Factor, SAP User Management, SAP User Management Engine, ServiceNow, Unix, WebEx
- Pre-configured
 - 12c ODSEE/OUD/LDAP connector for integration with OUD
 - 12c DBAT connector for integration with My HR Application
 - OAM WebGate in cloud-mode for integration with IDCS

- **Distribution**

- Image available in Retriever (search SecureOracle v8.0) and OCI via Shared URL

What's new in SecureOracle v8.0 – 4/4

- **Updated Demonstration Assets**

- My HR Application
 - Developed in APEX and running in the Oracle Database, help demonstrate HR employee life cycle management with OIM
- My IGA Application
 - Developed in APEX, help showcase governance capabilities using REST APIs and certifications like custom reviewers

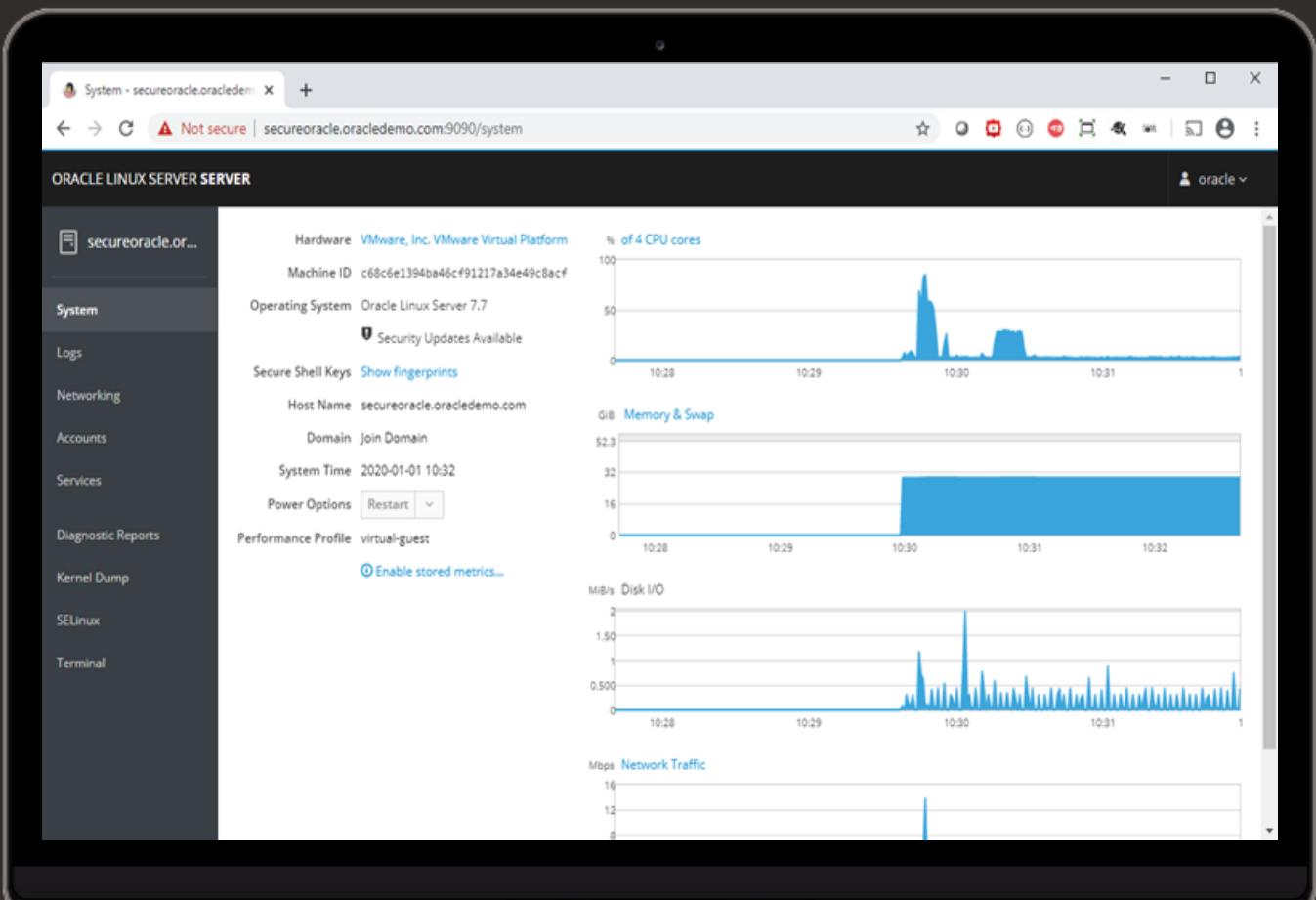
- **NoxPlayer 6.0.2.0**

- Windows Android emulator, pre-installed with Google Chrome, Gmail and Oracle Mobile Authenticator (OMA)
- Support OAM Multi-Factor Authentication Use Cases and Demo Apps

Cockpit Web Console

Administer Linux Servers

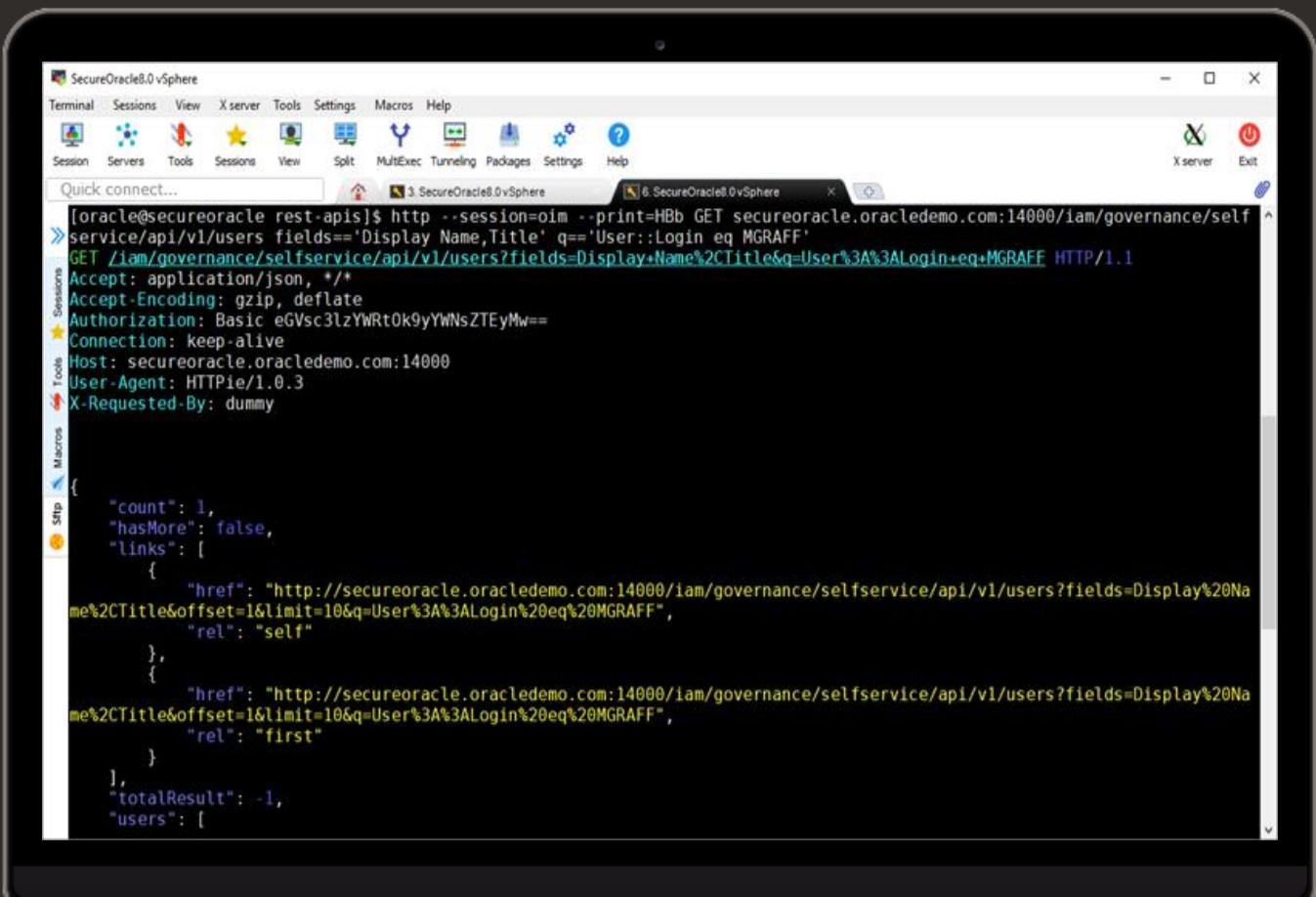
- Remote manager for GNU/Linux servers
- Interactive server administration web user interface
- Support several Linux distributions, including Oracle Linux
- Discovery features allowing SA to manage storage, network, containers, logs among other tasks
- Collects system performance and gathering of system configuration



HTTPie Command Line

Interact with RESTful APIs

- HTTP client to debug and interact with HTTP servers and RESTful APIs
- Expressive and intuitive command syntax
- Colorized and formatted terminal output
- Built-in JSON support
- Persistent sessions, Forms and file uploads
- Support HTTPS, proxies and authentication plug-ins



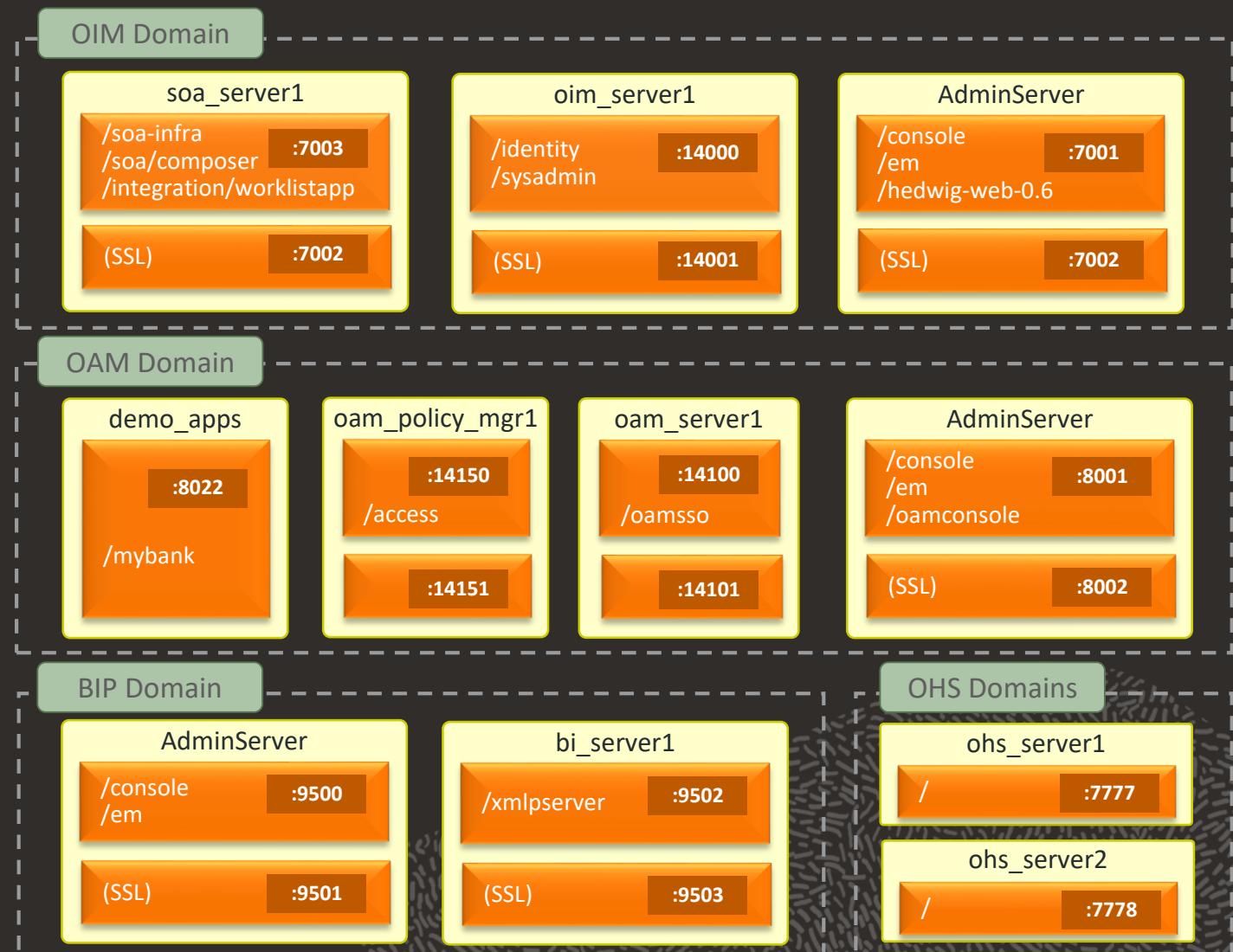
The screenshot shows the HTTPie command-line interface running in a terminal window titled "SecureOracle8.0 vSphere". The window has tabs for "Session", "Servers", "Tools", "Sessions", "View", "X server", "Tools", "Settings", "Macros", and "Help". The main pane displays a command-line session:

```
[oracle@secureoracle rest-apis]$ http --session=oim --print=HBl GET secureoracle.oracledemo.com:14000/iam/governance/selfservice/api/v1/users fields='Display Name,Title' q='User::Login eq MGRAFF'
GET /iam/governance/selfservice/api/v1/users?fields=Display+Name&q=User%3A%3ALogin+eq+MGRAFF HTTP/1.1
Accept: application/json, */*
Accept-Encoding: gzip, deflate
Authorization: Basic eGVsc3lzYWRtOk9yYWNsZTEyMw==
Connection: keep-alive
Host: secureoracle.oracledemo.com:14000
User-Agent: HTTPie/1.0.3
X-Requested-By: dummy

{
    "count": 1,
    "hasMore": false,
    "links": [
        {
            "href": "http://secureoracle.oracledemo.com:14000/iam/governance/selfservice/api/v1/users?fields=Display%20Name%2CTitle&offset=1&limit=10&q=User%3A%3ALogin%20eq%20MGRAFF",
            "rel": "self"
        },
        {
            "href": "http://secureoracle.oracledemo.com:14000/iam/governance/selfservice/api/v1/users?fields=Display%20Name%2CTitle&offset=1&limit=10&q=User%3A%3ALogin%20eq%20MGRAFF",
            "rel": "first"
        }
    ],
    "totalResult": -1,
    "users": [
        {
            "Display Name": "MGRAFF",
            "Title": "System Administrator"
        }
    ]
}
```

Additional Ports

9090	Cockpit
22	SSH
25/143	SMTP/IMAP
1389/4444	OUD
7001	APEX
1521	Oracle DB
80	Roundcube

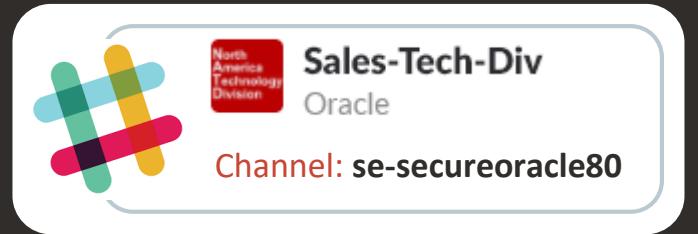


Requirements for Installation

- **CPU and memory requirements**
 - At least 2 vCPUs and 32 GB RAM for OIG
 - At least 4 vCPUs and 48 GB RAM for OIG and OAM
- **Images are based on Oracle Linux v7.7 with UI/Desktop installed**
 - Cockpit web console to start/stop all SecureOracle components
 - Recommended browsers: recent versions of Edge, Firefox and Chrome
 - Terminal/X-Window tool (e.g. run OIM Design Console) : MobaXterm or Putty + XMing
- **Reference start-up times**
 - OIM ~ 15-20 min, OIM-OAM ~ 20-25 min

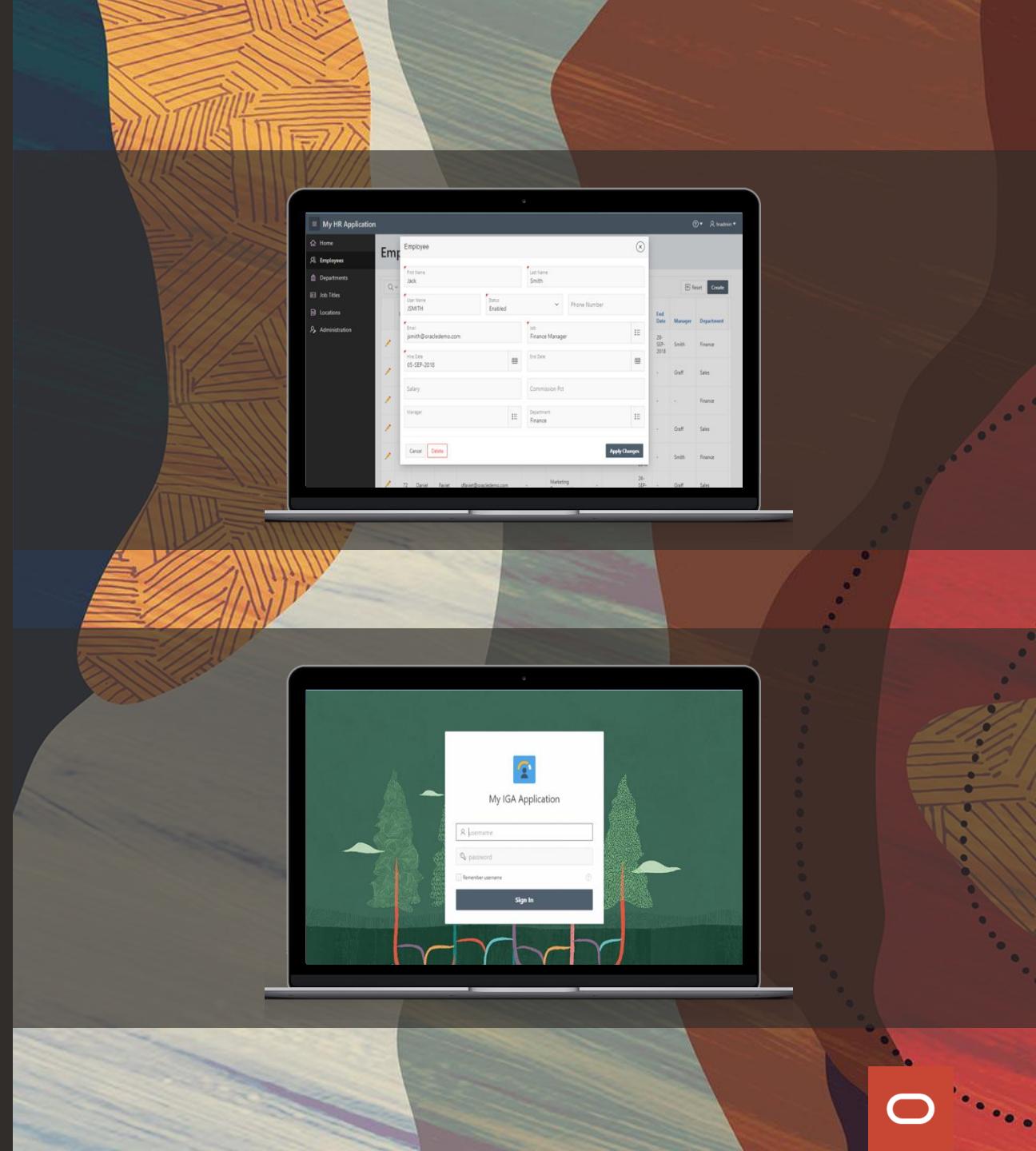
How to Get Started

- **Download SO v8.0 image**
 - In Retriever search for “SecureOracle v8.0”
 - In OCI use Shared URL
- **Deploy images in OCI or VMware-VirtualBox**
 - Use Deployment Guides
 - OVA/OVF image ~38 GB size, expanded at least 70 GB size
- **Login as “oracle” user to start the environment**
 - Start all or individual components
 - sc start all
 - sc start oim | sc start oim_bip | sc start oam



Demo Use Cases

- Demo HR Application to demonstrate employee life cycle management
- Demo Identity Governance Application to showcase custom UI
 - Featuring custom governance dashboard, request tracking and custom reviewers
- Hybrid use cases with IDCS
 - User provisioning and governance
 - WebGate cloud-mode with on-prem apps
- Demo RESTful APIs with OIG and OAM
- MFA with Oracle Mobile Authenticator



Q & A

ORACLE®
NA Tech Solution Engineering





ORACLE