

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.

ORACLE

Oracle Identity and Access Management 12c

Modernize Your IAM

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Trends in security and risk management

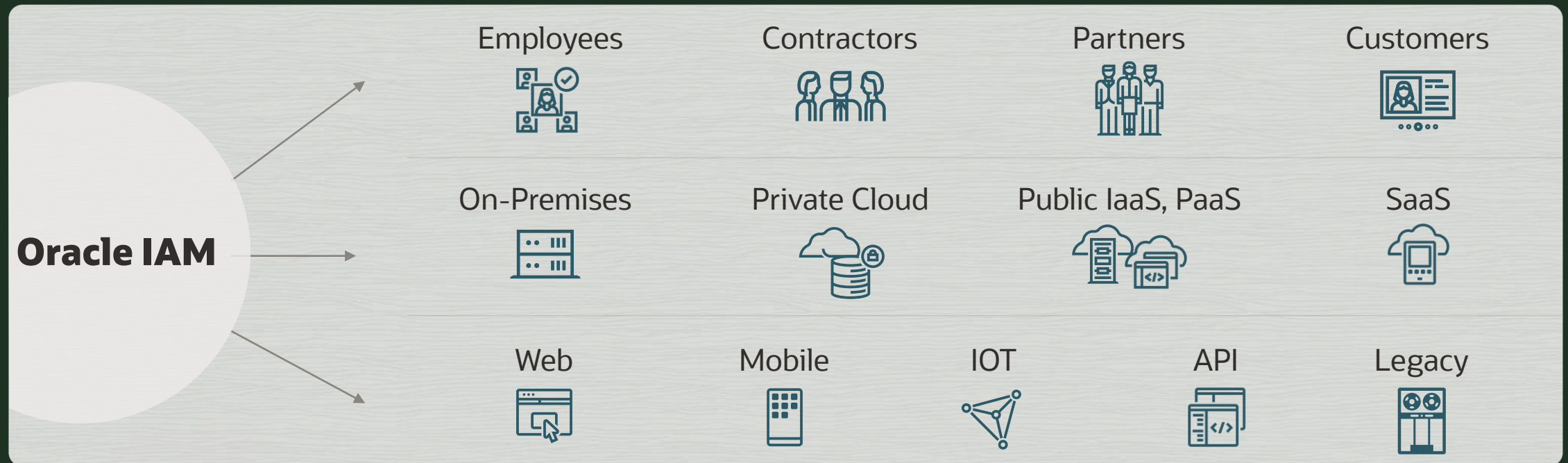
Gartner® Forecasts Worldwide Security and Risk Management Spending to Exceed \$150 Billion in 2021

Identity Access Management spending is expected to grow by **15.6% in 2021**

Gartner Press Release, [Gartner Forecasts Worldwide Security and Risk Management Spending to Exceed \\$150 Billion in 2021](#), May 17, 2021
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Oracle is a proven IAM solution securing billions of identities today



Single identity control plane for

- Human and non-human identity
- On-premises and cloud applications
- Threats inside and outside the firewalls

Built on

- Open standards
- Zero trust model
- Microservices architecture

Proven

- Reliability
- Scalability
- Performance

Oracle is committed to continuous innovation and IAM modernization



Built for digital transformation at the speed and scale of your business



Built for defense in depth from endpoint to infrastructure and everything in between



Built-in automation and intelligence to enforce and govern principles of least privilege



Built on open and industry standards for supportability and regulatory compliance



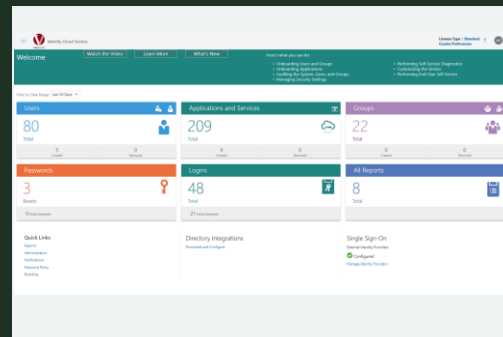
Built for intuitive experiences and insights for users and administrators



Built for choice—what you buy, how you buy, how you run and where you run

Highlights of modernization in Oracle IAM portfolio

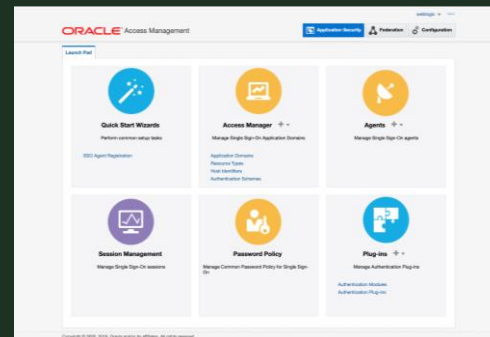
Oracle Identity Cloud Service



Cloud-native IDaaS to manage user access and entitlements

Product tour

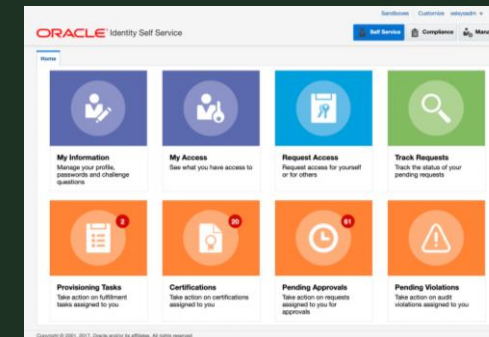
Oracle Access Management



Protect access to any application from any device, anywhere

Product tour

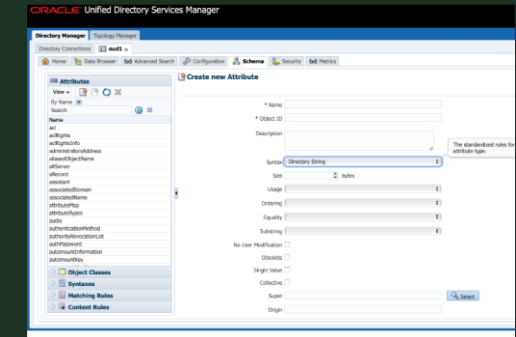
Oracle Identity Governance



Identify and audit who has access to what, when, and how

Product tour

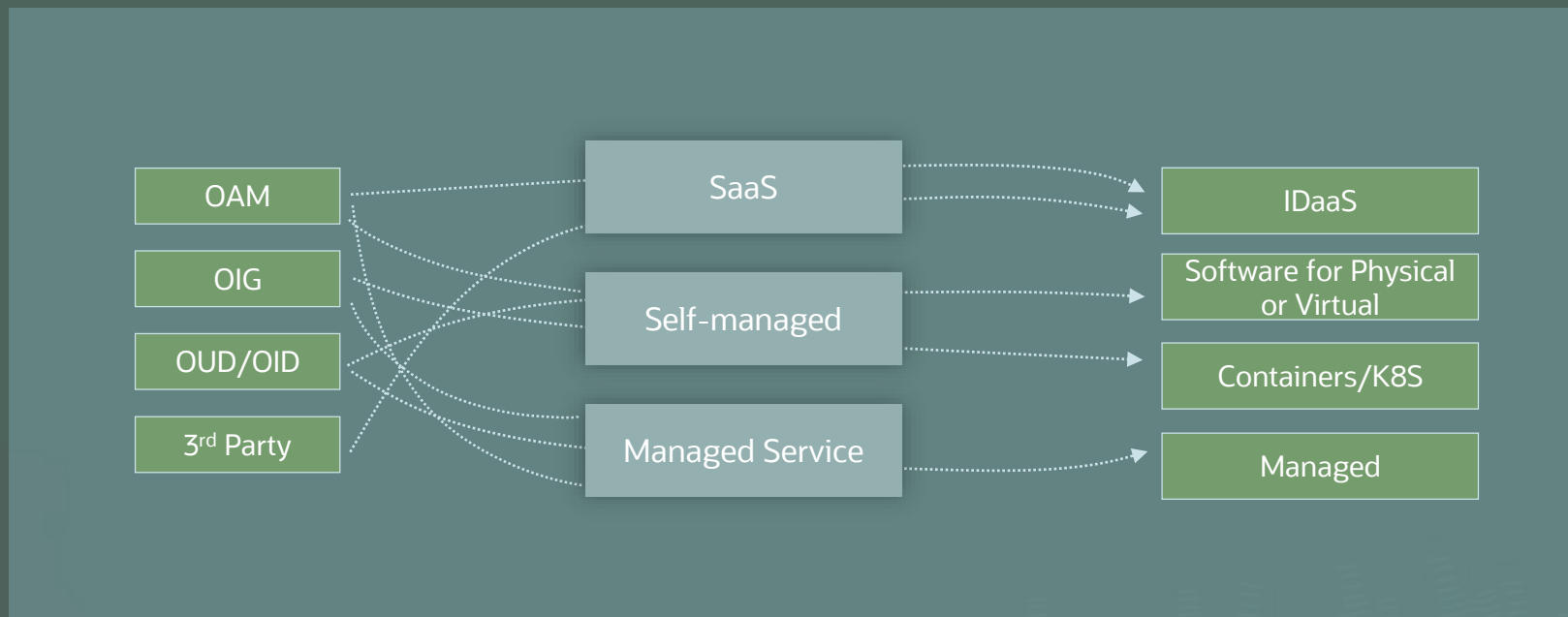
Oracle Directory Services



Securely persist identity information in scalable repositories

Product tour

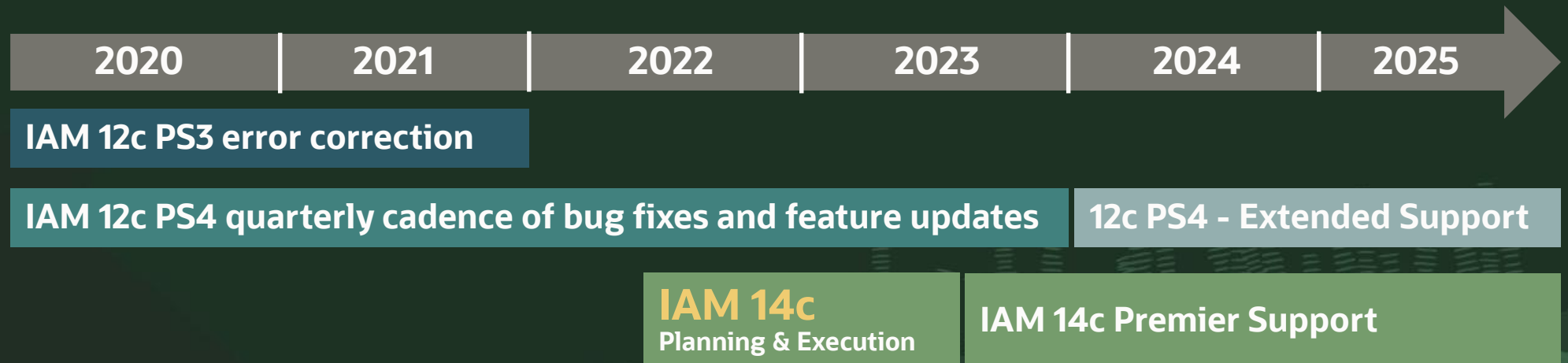
Oracle IAM offers unmatched solution choices for customer's journeys



OIG – Oracle Identity Governance | OAM – Oracle Access Management | OUD – Oracle Unified Directory | OID – Oracle Internet Directory

Oracle Identity and Access Management Suite releases and support timelines

Release	General Availability	Premier Support	Extended Support	Sustaining Support
IAM 11g R2	August 2012	December 2020	December 2021	Indefinite
IAM 12c	August 2017	December 2023	August 2025	Indefinite



Oracle customer feedback on IAM modernization

User Experience & Cost Optimization

"Upgrading/patching is a resource intensive undertaking"

"Primary drivers are user experience and role management."

Cloud Readiness & Deployment Choices

"Meeting cloud initiatives with on premises legacy products and bridging without over complicating the environment."

"Cloud infrastructure access governance across multiple clouds..."

Specific Features & Functionality

"FIDO2 and OAuth/OIDC are extremely important."

"...access governance scope and completeness monitoring, AI/ML for all things access"

Oracle listened, and prioritized key transformations

Legacy deployment

On-premises/WebLogic/Bare Metal



Simplified deployment choice

On-premises/Cloud/Containers/Microservices

Monolithic architecture

JavaEE/App Server



Microservices architecture

Portable/Stateless/API First/Scale up and down

Major releases

12-18 months release cycle



Iterative delivery

Frequent cadence of bug fixes & feature release

Complex upgrades

High-touch activity



Simple updates

Orchestrated deployment of what you need

Recent releases demonstrate Oracle's execution prowess

November 2020 release

Oracle Identity Governance

Performance improvements in certification and SoD
Password policy updates
Pure IPv6 support
Workday connector

Oracle Access Management

OAuth consent management
OIDC Just-in-time creation
Federation enhancements

Directory Services

Virtualization enhancements

Containers

OIG, OAM, OUD images at My Oracle Support (MOS) and OCI Marketplace

Suite-level enhancements

Stack Patch Bundle (SPB)
Snapshot tool
Upgrade advisor & assistant

April 2021 release

Oracle Identity Governance

Predictive analysis for preventive SoD
AWS connector
Azure connector

Oracle Access Management

OAuth token lifecycle management

Directory Services

Security & performance Improvements

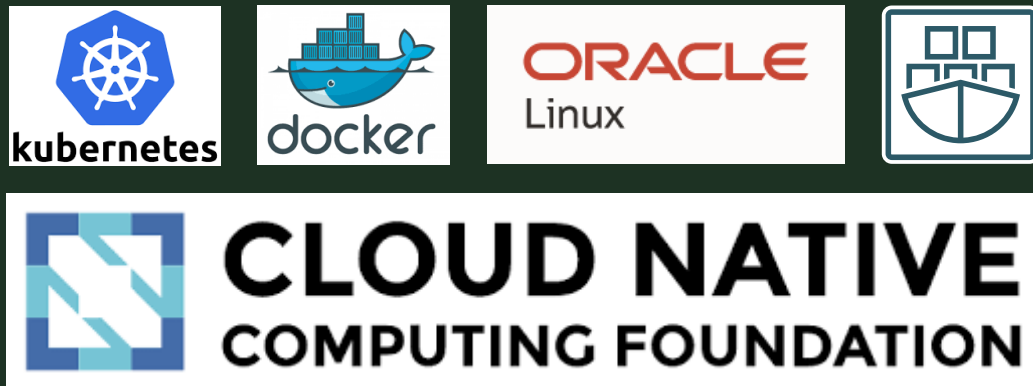
Microservices

Oracle Identity Role Intelligence (OIRI)
Oracle Advanced Authentication (OAA)
Oracle RADIUS Agent (ORA)

Suite-level enhancements

One-hop upgrade for OIG
ATP certification – across Oracle Identity and Access Management
Enterprise single-sign on updates

Containers released in November 2020



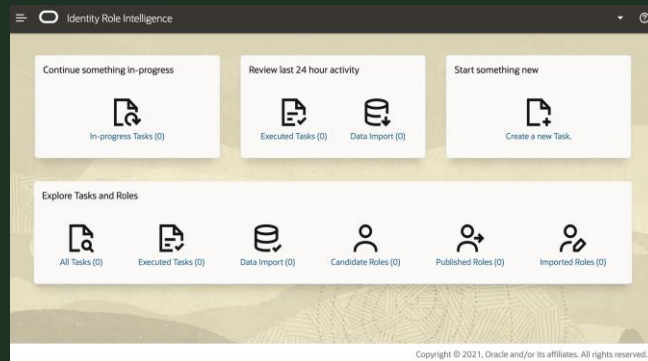
Developed against standard Cloud Native Computing Foundation (CNCF) Kubernetes

Available for on-premises, Oracle Cloud and 3rd party cloud infrastructure providers

Download images from My Oracle Support (MOS) or Oracle Cloud Marketplace

Microservices released in April 2021

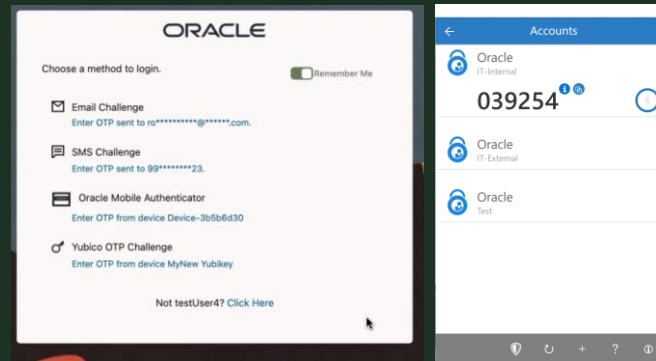
Oracle Identity Role Intelligence



Optimize role provisioning, and principle of least privilege with machine learning

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Oracle Advanced Authentication



Enhance Oracle multi-factor authentication (MFA) with support for FIDO2, Yubikey and Passwordless

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Oracle RADIUS Agent



Expand use of Oracle Advanced Authentication with databases, VPN and SSH clients

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Highlights of other key enhancements in recent releases

Oracle Identity and Access Management suite-level

- TLS 1.3 support
- Use of FIPS 140-2 cryptographic modules
- IPv6 certification
- ATP-D database certification
- Stack Patch Bundle (SPB)
- Refresh of Containers and Kubernetes packages

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Oracle Identity Governance

- Certification, SOD
- One-hop upgrade tooling
- Workday, Azure, AWS, REST connectors, 12c REST APIs
- Usability enhancements and security updates

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Oracle Access Management & Oracle Unified Directory

- New 12c Webgates for Apache & IIS web servers
- Session management linear scalability enhancements
- OAuth refresh token lifecycle across multiple data centers
- REST API for performance metrics
- Keystore, security enhancements
- Snapshot tool

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A glimpse into what we are working on next...



Cloud-native access governance for intelligent analysis, automated remediation and continuous compliance



Adaptive risk microservice for threat analysis



Financial grade security enhancements in Oracle Access Management

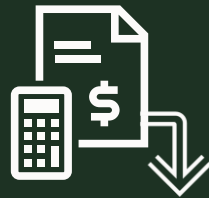


Modern technology-driven scalability and customization enhancements in Oracle Identity Governance

Benefits of upgrading to Oracle Identity and Access Management 12c



Strengthen
enterprise security
and risk posture



Reduce TCO with
deployment
simplification and
flexibility



Eliminate risk of
running
unsupported
software



Maximize ROI by
aligning with Oracle
product vision

12c customer uptake is strong and delivering tangible results

Today,

60%

Customer tickets (SRs) are for 12c

Customers spend

50%

lesser time on SRs in 12c

SR resolution time is

27%

faster for non-defects in 12c

Customers report

50%

faster upgrades to 12c

Containers and Microservices demand is growing

Oracle IAM Customer Advisory
Board survey

66%

respondents expressed interest to
migrate to containers in Cloud

Microservices demand patterns

Oracle Access Management + **Oracle RADIUS Agent** + **Oracle Advanced Authentication**
for strong authentication solution

Oracle Identity Governance + **Oracle Identity Role Intelligence**
for advanced roles management and certification

Accelerate your modernization journey with Oracle IAM Upgrade Factory

The screenshot shows the Oracle IAM Upgrade Factory landing page. At the top is the Oracle logo and a navigation bar with links for Products, Resources, Support, Events, and Developer. There are also links for 'View Accounts' and 'Contact Sales'. The main heading is 'Oracle Identity and Access Management 12c Upgrade Factory'. Below this is a sub-heading 'Accelerate software upgrade from Oracle IAM 11g to 12c with focused assistance from Oracle resources and benefit from major new product enhancements.' The page is divided into three columns. The first column is titled 'Try Oracle IAM 12c' and describes a live workshop to try Oracle IAM 12c on Oracle Cloud Infrastructure, with a 'Run the workshop' button. The second column is titled 'Oracle IAM Upgrade Factory Brief' and describes solutions designed to secure access to enterprise applications for both cloud and on-premises deployments, with a 'Read the brief (PDF)' button. The third column is titled 'Watch Events and Insights' and describes on-demand Identity and Access Management 12c events, with a 'Watch on-demand' button. At the bottom, there is a section titled 'Contact us to help you assess your environment and for a hands-on workshop to upgrade Oracle IAM 11g to 12c.' with a 'Contact us for a meeting' button. Below this is a section titled 'Identity and access management 12c upgrade resources' which describes the upgrade factory's resources to help achieve a successful upgrade to the latest release and deploy it on-premises, in the cloud, or in a hybrid model.

- Guidance on upgrade strategy
- Prescriptive “How to Upgrade” guides
- Tooling and utilities to accelerate upgrade tasks
- Guidance on Oracle licenses and cloud subscriptions
- Proactive technical support (PUMA) and access to Oracle IAM engineering

Upgrade factory tour

Modernize IAM with 12c on-premises

Primary drivers

- Stay current
- Add new functionality
- Onboard new processes, applications, and users
- Prepare for cloud

Oracle proposition

- Extended premier support for 12c and 14c release planned
- Rapid and deterministic upgrade to 12c
- Better user experience with new and modern functionality
- Lower TCO with containers and microservices
- Shortest and most economical path for IAM cloud readiness

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“In 2020, our upgrade to OIG 12c from OIM 11g was driven by maintaining the currency of the product and to give us the flexibility we need as our team continues to map out the future of identity at the university.”

Kris Nielsen

Team Leader, Identity and Access Management,
University of Melbourne

Modernize IAM with 12c in Oracle Cloud

Primary drivers

- Stay current
- Add new functionality
- Onboard new processes, applications, and users
- Data center consolidation, active cloud journey
- IAM colocation with other Oracle products in Cloud

Oracle proposition

- Extended premier support for 12c and 14c release planned
- Rapid upgrade to 12c and run in OCI
- Better user experience with new and modern functionality
- Significantly lower TCO with **Oracle Support Rewards***
- Shortest and most economical path for IAM to cloud

* <https://www.oracle.com/cloud/rewards>

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HNI

“Bringing Oracle IAM into OCI provided an extreme value to the HNI team. It gave us less fragility in our overall process. If we ever had an issue connecting from our network, we’d still be able to access our company site through OCI - the time and investment was well worth it.”

Fred Tingle

Manager, DBA & Applications Administrator, HNI

Modernize IAM with 12c and Oracle Identity Cloud Service

Primary drivers

- Stay current
- Add new functionality
- Onboard new processes, applications, and users
- Data center consolidation, active cloud journey
- IAM colocation with other Oracle products in Cloud

Oracle proposition

- Extended premier support for 12c and 14c release planned
- Rapid upgrade to 12c and add cloud-native components
- Better user experience with new and modern functionality
- Significantly lower TCO with **Oracle Support Rewards***
- Shortest and most economical path for IAM to cloud

* <https://www.oracle.com/cloud/rewards>

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“We are seeing a lot of value with Oracle Identity Cloud Service. It is more secure, cost effective, and resilient, allowing us to provide a highly available identity platform with improved user experience.”

Chinna Subramaniam

IAM and Directory Services Technical Director,
City and County of San Francisco

Suggested next steps

- Share the information with your colleagues
- Oracle will schedule a follow up with your Oracle IAM solution owner
- Continue to explore the latest on Oracle Identity and Access Management

[Product tours & information](#)

[On-demand webcasts](#)

[Hands-on workshops](#)

[Upgrade factory](#)

[Security Blog](#)

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Survey

1. Was the session helpful?
2. Where are you on your IAM modernization journey?
3. What deployment options are you considering for your IAM modernization?

