

Identity and Access Management Upgrade Factory

Identity Infrastructure is Evolving as the New Control Plane

Organizations are seeking less complexity and more control across an increasingly complicated technology landscape. The dynamics and logistics are becoming more pronounced as companies shift their physical and virtual boundaries, expand their applications and user workloads across cloud and on-premises, and as compliance and regulatory requirements continue to evolve. Organizations are evolving their identity infrastructure as the new control plane to adopt and manage these security, identity, and compliance changes.



Figure 1. Customers want less complexity and more control across an increasingly complicated technology landscape

Oracle Identity and Access Management as the New Control Plane

Oracle has decades of experience securing data and applications. **Oracle Identity and Access Management** solutions are designed to secure access to enterprise applications for both cloud and on-premises deployments. These solutions scale to millions of users – across employees, contractors, partners, customers and citizens – and are integrated with **Oracle Cloud Infrastructure** and applications to help companies address compliance with regulatory mandates and reduce operational costs.

Oracle has continued to innovate its identity and access management solutions with a focus on functional advances, user experience, technical modernization, and operational efficiency – all key tenets of the new control plane. These innovations make Oracle Identity and Access Management 12c a rock-solid enterprise control plane with proven success.

What's New with Oracle Identity and Access Management 12c

Oracle Identity and Access Management 12c delivers a steady stream of cloud innovations and complementary tools to provide enhanced capabilities and practical coexistence strategies to optimize existing investments in Oracle identity and access management infrastructure. Oracle's approach is to meet organizations wherever they are in their identity and access journey by providing choice with solutions that fit the specific needs of the customer. The solutions are

geared towards further strengthening the organization’s security and risk posture, reducing TCO with simplification and flexibility, managing the risk of running unsupported software and increasing ROI on their Oracle identity and access management solutions.

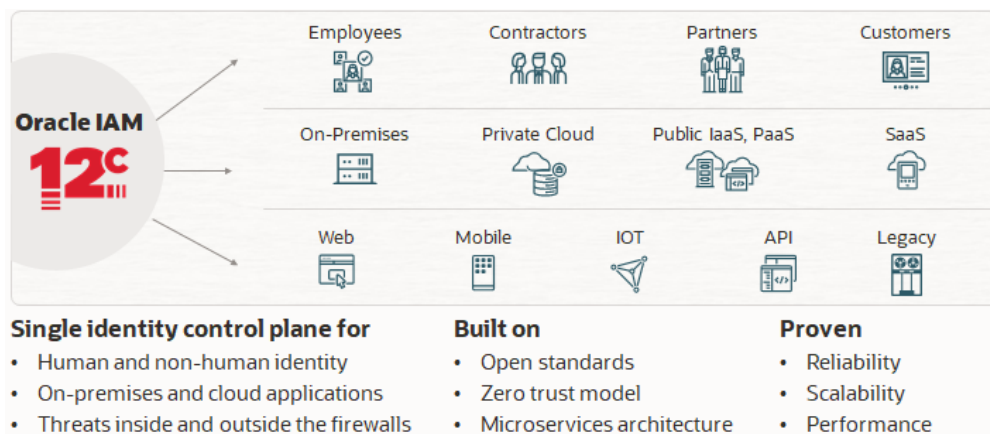


Figure 2. Oracle Identity and Access Management 12c is a foundation for the enterprise identity control plane

Oracle Access Manager (OAM) empowers customers to fully manage and control their access management deployment. OAM 12c is now deployable in containers, which simplifies operational support. The OAM Snapshot tool now helps move and improve on-premises workloads to cloud environments along with OAM upgrades. It has also been updated to support passwordless login, OAuth consent management, Just-In-Time (JIT) provisioning, multi-data center lifecycle automation, OAP over REST, and password management that supports multiple password policies for different groups.

Oracle Identity Governance (OIG) offers an Identity Governance and Administration (IGA) solution that is more robust than typical Identity-as-a-Service (IDaaS) solutions on the market today. OIG 12c is now deployable via containers and has been transitioned to a microservice architecture that enables quick feature updates without lengthy software upgrades. Enhanced wizard-based application on-boarding, access policy harvesting, and a self-service business friendly access catalog empower line of business owners to take control of their entitlement access and minimize IT operational inefficiencies. Focused reviews in OIG 12c make certification more manageable and allows for building campaigns towards specific compliance goals like General Data Protection Regulation (GDPR) and Sarbanes–Oxley Act.

Oracle Unified Directory (OUD) is an all-in-one directory solution with storage, proxy, synchronization and virtualization capabilities that scales with flexibility. OUD 12c is now deployable in containers and the new SCIM Rest API service provides programmatic support for accessing identity information, including querying, retrieval, create, update and delete.

Organizations needing Identity-as-a-Service (IDaaS) are complementing these solutions with **Oracle Identity Cloud Service (IDCS)**. IDCS supports all of the common IDaaS use cases requiring strong and adaptive authentication, social logon, passwordless login, bidirectional synchronization to on-premises, and provisioning to on-premises and cloud enterprise applications. It supports some less common use cases such as factor-specific MFA via Sign-on Policies, User-Managed Consent for Terms of Use, rule-based Authorization Policies for enterprise applications, Entitlement Assignments for enterprise applications via application roles, API-based App Management, and allow-and deny-lists via IP-based Network Perimeters.

Running Oracle Identity and Access Management 11g

As outlined in the earlier sections, 11g customers have compelling business and technology reasons to upgrade to Oracle Identity and Access Management 12c. Further, it is important for 11g customers to note that Oracle Premier Support for Oracle Identity and Access Management 11g ended in December 2020 and Extended Support will end in December 2021. Support for Oracle Identity and Access Management 11g will change as per **Oracle Lifetime Support Policy**. To retain the premier level support and to alleviate any uplift fees for extended support, 11g customers stand to benefit by upgrading to 12c. 11g customers can avail of Oracle’s Identity and Access Management (IAM) Upgrade Factory to plan and execute their upgrade to 12c.

Oracle IAM Upgrade Factory

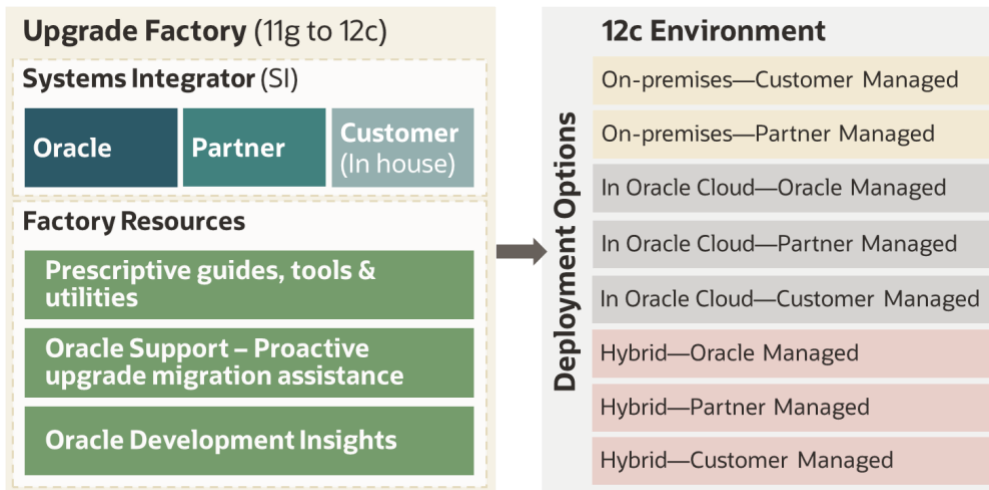


Figure 3. Oracle IAM Upgrade Factory

Oracle IAM Upgrade Factory is Oracle’s investment and approach to help customers accelerate their uptake of the latest version of Oracle Identity and Access Management software. The factory includes resources to streamline the upgrade process and to offer choice to run the upgraded solution on-premises, in cloud or in a hybrid model. Oracle offers these factory resources regardless of how the upgrade is done, i.e. by customer’s in-house IT, with Oracle Consulting, Oracle Advanced Customer Services or with an Oracle Partner. The resources include:

- Recommended strategies to upgrade: e.g., upgrade strategies for **OIM/OIG, OAM, OID/OD**
- Prescriptive “How to Upgrade” guides: e.g., how to upgrade to **OIG 12cPS3 or OIG 12cPS4, OAM 12cPS3 or OAM 12cPS4, OID 12cPS3 or OID 12cPS4, OUD 12cPS3 or OUD 12cPS4**
- Tooling and utilities to speed up upgrade tasks: e.g., hands-on **Workshops** for IAM 12c features and upgrades, **Patching Utility** to dramatically reduce time & effort to apply upgrade patches
- Guidance on Oracle licenses and cloud subscriptions: e.g., central repository of **12cPS3 or 12cPS4 Release Notes, Certification Matrix, Systems Configuration**
- Proactive technical guidance and support: e.g., with interactive self-service **Upgrade Advisor** for OIG/OIM 12cPS4 (Doc ID 2667893.2), OAM 12cPS4 (Doc ID 2564763.2), OID 12cPS4 (Doc ID 2679287.2), OUD 12cPS4 (Doc ID 2664270.2) or dedicated Oracle Support for the upgrade duration with Proactive Upgrade & Migration Assistance program (PUMA)
- Access to Oracle IAM engineering resources to help resolve technical hurdles and challenges along the upgrade path to ensure a successful transition to 12c

These resources are designed to help 11g customers assess their upgrade scope, estimate realistic timelines for the project, self-remediate or eliminate known issues, and complete their upgrade project fast and deterministically. Oracle Consulting, Oracle Advanced Customer Services and several partners globally, such as Accenture, BIAS, Deloitte, Kapstone, Persistent Systems, and Simeio have incorporated the Oracle IAM Upgrade Factory resources in their methodology and offerings to help customers plan, test, and execute their Oracle identity and access management upgrade projects. Many Oracle Identity and Access Management 11g customers have upgraded to 12c and are realizing the business and technical benefits outlined in this document.

For more information on Oracle identity and access management solutions and to get started with your upgrade, please contact your sales or support representative.

Additional Resources

- Blog: [Modernization of Oracle Identity and Access Management](#)
- Learn: [Oracle Identity and Access Management \(IAM\) Insights](#)
- Test Drive: [OAM 12c | OIG 12c | OUD 12c](#)
- Advisor: [Oracle Support Advisor Webcast Program](#)
- Support: [Oracle Software Technical Support Policies](#) (See “Oracle Identity and Access Management Releases”)

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