Oracle Identity Governance 12.2.1.4

Identity is the New Control Plane for the Evolving Enterprise

As compliance and regulatory requirements continue to evolve, companies are increasingly dependent on their identity infrastructure. Oracle Identity Governance (OIG) 12c provides complete lifecycle management and rich access entitlement controls across a wide range of services both in the cloud and on-premises. OIG 12c helps secure modern workloads, support compliance goals, and reduce total cost of ownership for organizations by empowering user self-service, simplifying the application onboarding process, automating audit and compliance tasks, and intelligently optimizing access control. OIG 12c can help organizations of any size effectively implement and manage security and regulatory compliance changes.

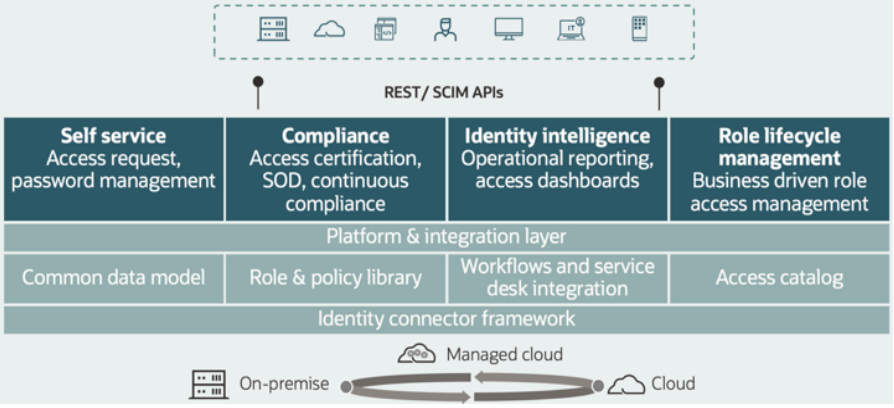

Figure 1. Oracle Identity Governance Deployment Options and Core Components

Core Functionalities

OIG 12c is a converged solution combining Oracle Identity Manager, Oracle Identity Manager Connectors, and Oracle Identity Role Intelligence microservice to create a complete and comprehensive governance solution for enterprise organizations. OIG 12c provides the following functionalities, licensed and enabled as required:

- **Business Friendly Self-Service and Access Catalog**: Intuitive self-service experience that is persona oriented (different UI and access level for varied personas) and provides guided navigation, a common business glossary for improved search capabilities, unified workflow orchestration, and immediate access to key applications. A core component to empowering end user self-service is the expressive and comprehensive Access Catalog that includes user friendly names for all systems and resources to help simplify the user search experience.
- **Simplified & Enhanced Application Onboarding**: Wizard-based self-service application onboarding UI for adding both trusted and target applications. Extensive set of new and enhanced connectors further automate the onboarding process and reduce manual configuration with features such as schema discovery for flat files and Databases.

Key Features

- Simplified, business friendly self-service interface drives productivity and can increase user satisfaction and operational efficiency
- Wizard-based self-service application onboarding UI can help business users to easily onboard applications in OIG
- Centralized and extensible access catalog to store and define business friendly definitions for roles, applications & entitlements
- Simplified access requests with intuitive and flexible approval workflows and policy-driven provisioning can improve IT efficiency, help enhance security, and help enable compliance
- Role-based access control with Machine Learning-based role intelligence coupled with advanced role lifecycle management and role analytics.
- User-intuitive risk driven identity certifications and closed loop remediation. Enhanced group and custom access reviews for certifications and focused review
- Preventive and detective Segregation of Duties (SoD) scan to determine and act on toxic combinations of access privileges across the enterprise including in-flight requests
- Manage risk and help reduce costs with integration to leading PAM vendors for privileged user access

- **IT Audit Monitoring & Reporting**: OIG provides both policy-based audit monitoring and flexible reporting capabilities. Comprehensive dashboards enable both system administrators and delegated administrators to run reports on virtually any artifact of a user's access rights, access grants, and the genesis of each.
- **Enhanced Access Certification Features**: The Access Certification module has been enhanced to improve usability and allow base selection for user, role, and entitlement certification definitions. The flexible reviewer option can be filtered by group reviewer, custom access review, or sorted by certification based on percentage completed. Organizations can conduct focused reviews to run a certification campaign based on catalog metadata, such as user defined fields for GDPR and SOX compliance. A new Revoke Access option is available for completing user certifications to revoke the roles and entitlements of an active user.
- **Advanced Role Intelligence and Lifecycle Management**: Oracle Identity Role Intelligence is a microservice introduced to discover common access patterns to optimize role-based access control. It uses machine learning to analyze existing OIG or flat file datasets and simplify role mining processes. Roles can be mined from a myriad of resources and are available for automated or selective publishing to Oracle Identity Governance 12c with role approvals lifecycle management. In addition, role analytics enables role engineers and approvers to evaluate the impact of role changes with inline Segregation of Duties (SoD) violation checks. All role activities are fully audited allowing changes to be rolled back if necessary.
- **Business Driven Access Policies**: OIG 12c features a self-service user-friendly interface to author access policies directly linking multiple application instances. Access policy harvesting is enhanced to link accounts created by requests or direct provisioning.
- **Predictive Policy Validation for In-Flight Requests:** Predictive analysis is introduced in access request flows to implement preventive SoD checks for in-flight requests that are pending approval. Policy violations observed within pending approvals and to be submitted entitlement requests are highlighted as toxic combinations, providing additional insights to the approver, and can even be marked for auto-rejection based on consequent logic in the approval workflow.
- **Key Store and SCIM/REST API Security**: OIG security modules leverage the new Key Store Service (KSS) and support has been introduced for TLS1.3 and IPV6 protocols. SCIM interfaces are secured via OWSM JWT token and custom request headers. REST interfaces are also secured via OWSM JWT token.
- **REST APIs**: REST APIs were introduced in 12c for capabilities including: self-service registration, forgot-password, search and browse access catalog, review certifications and track certification progress. REST APIs are also used for actions on pending approvals, violations, certifications, fulfillment including approve | reject | provide more information | reassign | delegate | certify | remediate.

- Incorporates leading industry standards, such as SCIM/REST, J2EE, BPEL and OASIS
- Production ready OIG container image with Kubernetes and OIG container Image in Oracle Cloud Infrastructure (OCI) marketplace helps with quick evaluation

Key Benefits

- Increased security: Enforce internal security audit policies and help eliminate potential security threats from rogue, expired, and unauthorized accounts and privileges
- Enhanced regulatory compliance: help enforce and attest to regulatory requirements (e.g., Sarbanes-Oxley, 21 CFR Part 11, Gramm-Leach-Bliley, HIPAA and GDPR) associated with identifying who has access privileges to sensitive, high risk data
- Improved business efficiency helps Get users productive faster through immediate access to key applications and systems, while enforcing security policies
- Reduced costs: helps Reduce IT costs through efficient, business friendly self-service, wizard-based application onboarding and platform-based architecture

Available Connectors

- Business Applications: Oracle Fusion Applications, Oracle E-Business, PeopleSoft, JD Edwards, Siebel, and SAP
- LDAP stores: Oracle Internet Directory, Oracle DSEE, Oracle Unified Directory, Active Directory, and e-Directory
- Security systems: RSA, RACF, Top Secret, ACF2
- Collaboration Suites:

- **New and Enhanced Connectors**: A comprehensive set of new and enhanced 12c connectors are available to help simplify application onboarding for on-premises, cloud, and hybrid deployments.
- **Improved Performance and Operational Efficiency**: Using the online and offline Data Purge Framework, administrators can evict all possible types of unwanted OIG entities from the backend data repository. The new data cleanup utility for non-production environments can be used to purge all the data from underlying database tables. Customers can improve operational efficiency and transparency by compressing data at the mid-tier without touching the database, purge certification data in real-time, and use the PL/SQL diagnostic framework to perform root cause analysis. OIG 12c also supports the Oracle Autonomous Transaction Processing (ATP) database as its backend repository for high performance.
- **Simplified Install and Upgrade Experience**: The installation footprint and time have been significantly reduced with fewer steps and less time using the bootstrap framework and configuration auto-discovery. OIG deployments can now be patched with the Stack Patch Bundle, that includes the bundle patches for each of the select Identity Management products and their respective underlying components.
- **OIG Container Image:** Using the OIG Container Image, OIG can be deployed on-premises or in the cloud with Kubernetes container orchestration, allowing deployment and upgrade automation, auto-scale, and portability to multiple cloud and on-premises environments.
- **Integrated Privileged Access Management (PAM) Solutions:** OIG enables organizations to integrate with leading PAM solutions to help easily manage admins or super users seeking access to critical accounts and leverage features provided by third party vendors.

To find out more information about OIG 12.2.1.4.0, please visit https://docs.oracle.com/en/middleware/idm/identity-governance/12.2.1.4/index.html.

Exchange/Domino and GroupWise
- Operating systems: OEL, Red Hat Linux, HP-UX, AIX, Solaris, AS/400, and Windows
- Ticket Management systems: ServiceNow and BMC Remedy
- Cloud Connectors: Oracle CRM On Demand, Eloqua, Google Apps, Office365, Azure AD, Amazon Web Services, Workday, SuccessFactors, Salesforce, ServiceNow, Concur, Box, DropBox, and WebEx
- Databases: Oracle, MySQL, SQL Server, DB2, and Sybase
- Technology Integrations: Web Services, DBAT, SSH, Telnet, Flat File, JDBC, LDAP V3, SOAP, Generic Scripting (Groovy, Beanshell, and JS), SCIM, and Generic REST

Related Products

- Oracle Directory Services: All-in-one directory solution with storage, proxy, synchronization, and virtualization capabilities
- Oracle Access Management: Complete solution for adaptive authentication, authorization, federation, SSO, and password policy

Connect with us

Call **+1.800.ORACLE1** or visit **oracle.com**. Outside North America, find your local office at: **oracle.com/contact**.

blogs.oracle.com facebook.com/oracle twitter.com/oracle