Oracle Access Governance

Oracle Access Governance is a cloud native identity governance and administration (IGA) service that provides customers a simple, easy-to-understand view of what resources individuals can access, whether they should have that access, and how they’re using their access entitlements. Businesses are challenged every day to enforce appropriate, just-in-time user access rights to manage control of their information and address regulatory compliance requirements of least-privilege access. With immediate and prescriptive guidance about the types of access that users should have, Oracle Access Governance makes it easier for administrators to provision new users and deprovision departing users quickly. In addition, machine learning intelligence in Oracle Access Governance can monitor all types of access for anomalous behavior patterns and automate remediation actions as required. Instead of big, manual, periodic reviews, Oracle Access Governance allows continuous compliance with the proper access management and constantly evaluates and reports risks. Events and access at risk are reviewed regularly and informed by built-in intelligence. This continuous compliance model significantly reduces the cost and effort of audit response. Oracle Access Governance continuously adds target systems, providing strong insights into access controls across new applications and cloud and on-premises environments.

Background
Traditionally, organizations of all sizes and across industries have encountered challenges in effectively managing access levels for users, devices, bots, and services, aiming to enhance productivity while minimizing potential risks. Additionally, maintaining visibility into who has access to which digital asset and verifying the validity of such access in accordance with company compliance guidelines is another significant challenge.

Organizations typically rely on manual processes to assign permissions to users and other identities. This often involves users reaching out to other individuals through email or collaboration tools to request access. However, manual processes pose challenges in terms of scalability and compliance verification. Organizations also depend on periodic manual reviews across access rules, entitlements, permissions, roles, and policies.

The global increase in cloud adoption and digital transformation has compelled organizations to be aware of security risks associated with access and entitlements. With the prevalence of multicloud and hybrid environments, organizations face challenges of effectively managing accurate and automated provisioning or deprovisioning of user access. Additionally, the complex and time-consuming nature of access reviews and the lack of necessary context make it difficult for reviewers to make informed decisions about an individual’s access. The lack of clarity leads many organizations to take a “rubber-stamp approval” approach, providing blanket approvals that don’t revoke overprivileged access. These issues make it hard for organizations to minimize

"As we steer our path towards the adoption of a cloud native governance architecture, Oracle Access Governance rises as a critical player in this arena. Its strategic design, emphasizing intuitive user access review, prescriptive analytics powered by data insights, and automated remediation, echoes our commitment to fostering a secure IT environment. This cloud native service aligns perfectly with our forward-looking IT security strategy, and we are eager to explore its potential.”

Chinna Subramaniam
Director, IAM & Directory Services, Department of Technology, City and County of San Francisco
or eliminate risks associated with identity access to digital assets, overprivileged access to critical data, proving compliance with corporate policies, and reducing governance costs.

**Overview**

To leverage advanced identity governance and administration capabilities, organizations should evaluate solutions that offer flexible access control measures to improve productivity. These solutions should incorporate real-time capabilities, such as prescriptive analytics, to identify anomalies and mitigate security risks effectively. By evaluating and implementing such solutions, organizations can bolster their security posture and streamline identity governance processes.

**Oracle Access Governance** delivers a comprehensive governance solution that encompasses various provisioning methods such as access request and approvals, role-based access control, attribute-based access control, and policy-based access control. This service features a conversation-style user experience, offering deep visibility into access permissions across the entire enterprise. It facilitates dynamic, periodic, and automated event-based micro-certifications, such as an access review triggered by a job code or manager change. Additionally, it enables near real-time access reviews, providing detailed recommendations with options for reviewers to accept or review an entitlement based on the identified level of risk.

Oracle Access Governance can also run with **Oracle Identity Governance** in a hybrid deployment model. Organizations that opt for a hybrid model can take advantage of advanced capabilities available from cloud native services, while retaining parts of their on-premises identity and access management suite for compliance or data residency requirements.

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**Monica J. Field**
IT Director, Identity and Access Management, Cummins Inc.

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**Kashif Dhatwani**
Advisory Senior Manager
Cyber and Strategic Risk
Deloitte & Touche LLP
Key Benefits

- **Simplified self-service**: Oracle Access Governance provides self-service that empowers users to request access bundles or roles for themselves or others. This streamlined process enhances efficiency and empowers users to actively participate in access governance activities.

- **Automated access control**: Oracle Access Governance supports identity collections, which enables attribute-based access control (ABAC). This capability allows for fine-grained control over access bundles based on specific attributes associated with identities. Furthermore, Oracle Access Governance incorporates role-based access control (RBAC), a feature that enables access rights to be defined and managed based on specific roles. These identity collections and roles can be further used by policy-based access control (PBAC) for granting and managing access rights. Unmatched accounts help in detecting orphaned and rogue accounts in various governed systems.

- **Flexible delegated access control**: Oracle Access Governance facilitates delegated ownership, which allows businesses to manage identity collections while application owners oversee access bundles including accounts and entitlements. This delegation enables efficient and streamlined management of access rights within Oracle Access Governance, promoting collaboration and accountability among stakeholders.

- **Visibility into access maps**: Oracle Access Governance offers visibility into user access across the entire organization, providing insights into which users have access to specific applications, resources, and services. Managers can review the access map of their teams, enabling them to understand and oversee the access privileges of their team members. Individual users can also view their own access permissions, giving them transparency into and awareness of their own access rights.

Key Features

Oracle Access Governance includes a robust set of features, including the following ones:

- **Cloud native service**: An OCI native subscription service.

- **Intuitive user experience**: Offers an intuitive user experience by using a conversational approach.

- **Interactive dashboard**: Includes dashboards that offer valuable insights to enable users to focus on essential tasks.

- **Identity orchestration**: Supports rapid application onboarding based on its innovative orchestration capabilities with a low-code, wizard-based integration approach.

- **Easy integrations**: Includes portable agents that can be deployed with enterprise workloads as well as direct API-based integrations to cloud applications and services.

- **Simplified access request**: Provides a simple user experience for self-service-based requests.

- **Automated access control**: Provides multiple access control measures that can be used to automate access in various scenarios.

- **Actionable access reviews**: Simplifies the access review process and provides actionable insights based on prescriptive analytics so managers can make informed decisions.
- **Governance anywhere**: Oracle Access Governance provides governance across enterprise applications and IaaS, PaaS, and SaaS workloads, including Oracle and non-Oracle workloads.

- **Enhanced regulatory compliance**: Oracle Access Governance helps enforce and attest to regulatory requirements—such as Sarbanes-Oxley, 21 CFR Part 11, Gramm-Leach-Bliley, HIPAA, and GDPR—that are associated with identifying who has access privileges to sensitive, high-risk data.

- **Improved certification efficiency**: Oracle Access Governance empowers organizations with actionable insights and prescriptive analytics, facilitating a comprehensive understanding of the necessary access required to expedite user productivity. Organizations gain visibility triggered by event-based certifications, such as a job or organization change or timeline-based certifications, so access reviewers can quickly take the necessary actions to update access privileges. Policy and group reviews help to further enforce the principle of least-privilege.

- **Event-based micro-certifications**: Facilitates intelligent event-based access reviews triggered only when there are changes in the system of record. Timeline-based micro-certifications help in timely reviews of access based on important milestones.

- **Codeless workflows**: Provides lightweight codeless workflows for access control and governance.

- **Reduce costs**: Oracle Access Governance allows organizations to use a cloud native identity governance service that helps reduce IT costs and save time through efficient, user-friendly dashboards, codeless workflows, and wizard-based application onboarding.

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Figure 4. Visibility into Enterprise-Wide Access

Figure 5. Workflow Editor

Figure 6. Analytical Dashboard

Figure 7. Enforce Access Controls with Prescriptive Analytics
Summary

Oracle Access Governance helps organizations to automate access control, gain visibility, make informed access decisions, and support their overall compliance objectives. Organizations can extend their current identity governance and administration capabilities with a cloud native service to begin with deeper insights. For more information, review the Oracle Access Governance product documentation or visit the Oracle Access Governance webpage.