

ForgeRock Autonomous Identity

Define Roles Faster with AI-Driven Identity Analytics

Today's RBAC Dilemma

While global organizations have leveraged role-based access control (RBAC) to help them reduce administrative work and IT support, maximize operational efficiency, and improve regulatory compliance, this legacy approach is a fundamentally flawed methodology for managing user identities and access permissions. Its inherent weakness lies in its unwieldy nature, reliance on manual input, and its constant need for maintenance. All of these factors combine to create an insecure identity and access management (IAM) structure and growing business problems:



Role Explosion

This occurs when the level of granularity needed for access control is too detailed. Role explosion is difficult and costly to manage and makes access control confusing and reduces its effectiveness. This happens when an organization tries to provision almost all user access through an RBAC model. Trying to do everything in a single model is nearly impossible and leads to an explosion in the number of roles. Ironically, this makes roles no better than managing access at the user level.



Duplicate Roles

When users have too many roles assigned to them and then change jobs or responsibilities within the company, roles are often duplicated. Role owners and analysts either forget or make a conscious decision to leave old roles in place. As a result, organizations have no idea how many duplicate roles they have across the entire organization. The high quantity of duplicate roles can lead to security holes that are often difficult to find and plug.



Role Maintenance

Change is constant, both in organizational structures and IT systems. Creating, modifying, and removing roles requires an ongoing effort to ensure the health of an RBAC solution. As the organization changes, new systems are added or removed and the role model needs to be reviewed and updated to match. The biggest challenge is the underlying data quality, which has a severe impact on both automated and manual analysis. The key takeaway here is designing and implementing a role model that works for any organization requires manual analysis and maintenance.

ForgeRock's Modern Approach

ForgeRock Autonomous Identity provides complete enterprise-wide visibility into the access landscape by leveraging artificial intelligence (AI) and machine learning (ML) techniques to collect and analyze identity data from any data source. This ensures a comprehensive real-time view of identities, roles, and entitlements across the entire organization. With ForgeRock Autonomous Identity, organizations can leverage these role-based capabilities:



Role Modeling

Leverage AI and ML to analyze and discover role access patterns across the entire enterprise. Role owners and analysts can quickly identify and understand the role composition of low, medium, and high-confidence roles and entitlements. High-confidence access patterns help to define and export roles to the existing identity governance solution.



Role Optimization

Take advantage of AI and ML to review, evaluate, and visualize existing roles and role models. This helps the organization optimize the existing role model and create fewer but higher quality roles over time. While identifying overprivileged entitlement and role access patterns, it simultaneously and automatically removes unnecessary entitlements and roles.



Role Governance

Mitigate manual, human review and fulfillment of roles by leveraging AI and ML to automate identity lifecycle management processes, such as role approvals, reviews, and provisioning. Role governance allows you to fully understand the role and segregation of duty (SOD) impact analysis before changes are made to roles and the underlying role model. This ensures an ideal state of user access.

ForgeRock Autonomous Identity provides organizations accelerated role clean-up, high-quality role definitions, and reduced role management overhead. As a complementary solution to existing identity governance tools, Autonomous Identity helps organizations achieve regulatory compliance, and mitigate risks while reducing costs.

To learn more about ForgeRock Autonomous Identity, download the [Self-Driving Governance white paper](#).

About ForgeRock

ForgeRock, the leader in digital identity, delivers modern and comprehensive Identity and Access Management solutions for consumers, employees and things to simply and safely access the connected world. Using ForgeRock, more than a thousand global customer organizations orchestrate, manage, and secure the complete lifecycle of identities from dynamic access controls, governance, APIs, and storing authoritative data – consumable in any cloud or hybrid environment. The company is privately held, and headquartered in San Francisco, California, with offices around the world. For more information and free downloads, visit www.forgerock.com or follow ForgeRock on social media.

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