

Control Access for Users, Devices, Things, Applications, and Services

Our approach to access management? One system to download and deploy, with comprehensive access management capabilities to control access to all the things in your world, digital and physical. Say goodbye to integrating a grab bag of disparate products. Modern identity solutions need to take a platform approach, and reduce friction when dealing with users, devices, services, and things, all while providing the highest possible security. A powerful identity platform can help companies use identity as the driver to generate new revenue channels by helping them to create unique and innovative products and services. To do this, the identity platform needs to deliver a rich and personalized user experience and to provide modern authentication methods moving beyond simple username and password, and fine-grained authorization to protect and secure resources. It must be able to provide identity and access services that are continuously secure, scalable, and adaptable to rapidly evolving demands.

ForgeRock® Access Management, part of the ForgeRock Identity Platform™, provides the most comprehensive and flexible set of services required for customer identity and access management, as well as traditional access management capabilities. These services include advanced authentication, mobile authentication, authorization, adaptive risk, federation, single sign-on, social sign-on, basic self-service, privacy and consent, high performance session management, and OAuth 2.0 Proof of Possession.

Features	Benefits
Advanced Authentication	<ul style="list-style-type: none"> Endless authentication possibilities with over 25 out-of-the-box modules to fit specific business needs, and support for custom modules. Implement strong multi-factor authentication by chaining modules together.
Mobile Authentication	<ul style="list-style-type: none"> Provide frictionless multi-factor authentication and password logins including Push Authentications with iOS and Android devices. OATH and HOTP standards that allow one-time passwords on a mobile phone or other device to be used as an additional factor for authentication.
Adaptive Risk	<ul style="list-style-type: none"> Leverage contextual authentication to assess risk, invoking stronger authentication mechanisms only when necessary by evaluating who the user is and their context.
Authorization	<ul style="list-style-type: none"> Coarse and fine-grained authorization with fully customizable policies leveraging context and continuous security to deliver controlled access to resources using simple point and click, drag and drop operations. Scripting can be used to extend logic during policy evaluation to any resource type, not only URLs but external services or IoT devices and things.
Federation	<ul style="list-style-type: none"> Leverage standards to deliver seamless federation across organizations. Incorporate SAML2 federation into authentication chains, enabling the use of federated identities in stronger multifactor authentication scenarios. Supports OpenID Connect which makes it easier and faster to build solutions requiring additional identity information.

HIGHLIGHTS

- “All-in-one” access management, part of a comprehensive identity platform.
- Easy configuration of authentication and authorization with the flexibility to manage users, devices, services, and things.
- Mobile authentication, including passwordless logins or frictionless multi-factor authentication using Push Authentication, with an easy to use mobile app for iOS and Android.
- Coarse or fine-grained and continuous authorization leveraging a powerful policy engine, configurable with an easy to use policy editor, extensible with JavaScript and Groovy, and consumable through policy REST APIs.
- Flexible architecture offering both stateless and stateful modes designed for the demands of large scale and elastic deployments such as DevOps environments with microservices, and Internet of Things (IoT).
- Protection against token theft with OAuth 2.0 Proof of Possession support.
- View and analyze logging and audit information across the platform using the Common Audit Handler, with support for the Elastic Stack.
- Deploy on-premise or in the cloud, including AWS, Azure, and others.

Features	Benefits
Single Sign-On	<ul style="list-style-type: none"> ■ Provide Single Sign-On (SSO) services for multiple resources on one domain, across domains, or even across organizations, allowing the use of just a single authentication credential to access all resources. ■ Enables a seamless heterogeneous OS and Web application SSO environment with Windows Desktop SSO support.
Social Sign-On	<ul style="list-style-type: none"> ■ Accelerates user on-boarding using any social IDP that supports OpenID Connect or OAuth 2.0 such as Facebook, Google, and LinkedIn.
Session Management	<ul style="list-style-type: none"> ■ Highly flexible session management enables both stateless and stateful sessions. ■ Stateless session management and autonomous servers allows for highly distributed elastic deployments with nearly unlimited horizontal scalability. ■ Stateful session management enables complex, multi-site failover environments to be always available to end-users with very high uptime.
Shared Services	<ul style="list-style-type: none"> ■ The Common Audit Framework provides a means to log data consistently across the ForgeRock Identity Platform, and enables correlation of events and transactions. Audit topics, such as access and activity, can be configured independently delivering the data you want to the appropriate business services. Includes handlers for CSV files, JDBC connections, Syslog, JMS and Elasticsearch (part of the ELK stack). ■ Shared services can log and track transactions; used to build custom UIs; develop scripts using JavaScript and Groovy; and provide user self-services across the entire platform.
DevOps and Developer Support	<ul style="list-style-type: none"> ■ Develop against the platform's common RESTful APIs that enable JSON or XML over HTTP, allowing access to all the underlying authentication, authorization, and identity services. Also available Java & C APIs. ■ Leverage cloud automation and orchestration for push-button deployment and continuous delivery, with Docker support and powerful command line tools that integrate seamlessly into DevOps environments. ■ Security Token Service automatically translates protocols for providers who support different standards for federation and authentication.
Performance and Scalability	<ul style="list-style-type: none"> ■ Support large-scale, highly available implementations with millions of users, tens of thousands of concurrent sessions, and thousands of authentications per second. ■ Leverage the embedded ForgeRock Directory Services as a configuration store, highly scalable and performant session-persistent token and user store.
Standards	<ul style="list-style-type: none"> ■ All major federation protocols: SAML 1.x, SAML 2.0 (SP, IdP, ECP, and IdP Proxy), WSFederation (asserting, relying party). ■ Next gen-federation standards for cloud and mobile, including full implementation of OpenID Connect, OAuth 2.0, GSMA, and UMA (consumer, provider, authorization server), ensuring greater interoperability and consistent behavior for developers. ■ Export and import of policies via XACML.

ForgeRock Access Management is part of the ForgeRock Identity Platform, the only commercial open source offering for access management, identity management, user-managed access, directory services, and an identity gateway, designed and built as a single, unified platform. The solution is built on a highly scalable, modular, extensible, and easy-to-deploy architecture. Context-aware capabilities enable your employees, customers, or citizens a personalized experience on any digital channel, whether a mobile device, connected car, home appliance, or whatever the next connected innovation might be.

About ForgeRock

ForgeRock® is the Digital Identity Management company transforming the way organizations interact securely with customers, employees, devices, and things. Organizations adopt the ForgeRock Identity Platform™ as their digital identity system of record to monetize customer relationships, address stringent regulations for privacy and consent (GDPR, HIPAA, FCC privacy, etc.), and leverage the internet of things. ForgeRock serves hundreds of brands, including Morningstar, Vodafone, GEICO, Toyota, TomTom, and Pearson, as well as governments like Norway, Canada, and Belgium, securing billions of identities worldwide. ForgeRock has offices across Europe, the USA, and Asia.

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