

Simply Connect Applications, Devices and Services – From Yesterday to the Internet of Things.

In the Hitchhiker's Guide to the Galaxy they have a handy little thing called a Babel Fish. Put it in your ear and you can instantly communicate with anything, anywhere in the galaxy. It's quick and painless and works great. And that's exactly how the ForgeRock® Identity Gateway works too. It's a simple, standards-based approach to extend access to web applications, application programming interfaces (APIs), and devices and things. Although many enterprises are constantly upgrading and modernizing their IT infrastructure, there are still plenty of applications and services that are critical to their business that don't natively support identity. Providing secure, standards-based access to these applications from any device, any time, represents a challenge for IT organizations. This challenge is compounded in the digital world, where enterprises share data with partners and customers, support users, devices, and things, and expose their own APIs for consumption by those partners and customers to generate additional revenue.

The ForgeRock Identity Platform™ is 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. ForgeRock Identity Gateway, based on the OpenIG open source project, is an IoT, application and API gateway, enabling enforcement of enterprise access policies for applications and APIs that are on-premises or in the cloud, whether they are legacy or modern. Either way, no changes to existing applications are necessary. The ForgeRock Identity Gateway can be deployed standalone, work with the ForgeRock Identity Platform, or any third party WAM solution. The underlying core of the ForgeRock Identity Gateway is based on a reverse proxy architecture. The gateway routes HTTP web traffic to protected applications enabling close inspection, transformation and filtering of each request. For IoT or API configurations, the ForgeRock Identity Gateway can authenticate and authorize the users, devices, things & services connecting to the gateway, ensuring protected applications are secure by leveraging OAuth2, OpenID Connect tokens or SAML.

HIGHLIGHTS

- Works with WAM solutions to extend authentication, authorization policies to users, devices, things & services, whether access is from web, mobile, cloud or enterprise applications – without the need to change or re-write applications.
- Leverages OAuth 2.0 and OpenID Connect for securing access to API end-points that are exposed externally.
- Enables SAMLv2 as well as more modern OAuth 2.0 and OpenID Connect service provider support for simple federation to identity providers such as Google, Salesforce, Facebook, Microsoft or an existing in-house IdP.
- Empower SSO and federation to bring legacy web-apps up to your current security standards with security token transformation and password replay.
- Increases the security of resources by collecting additional data HTTP requests and passes them to the ForgeRock Access Management policy framework.
- Deploy on-premises or in the cloud, including AWS, Azure and others.

Features	Benefits
IoT, Application and API Gateway	<ul style="list-style-type: none"> Allows you to provide secure access to IoT, applications and API services for additional revenue opportunities.
Reverse-Proxy Architecture	<ul style="list-style-type: none"> Enables agent-less architecture to augment an existing WAM deployment.
Standards-Based	<ul style="list-style-type: none"> Supports OAuth 2.0, OpenID Connect, SAML, for easy integration between users, devices, things & services, as well as support for JWT sessions.
Single Sign-On and Single Sign-Off	<ul style="list-style-type: none"> Security enforcement point for authentication to help reduce the proliferation of passwords and ensures consistent secure access across multiple sites. Adds a valuable layer of security with centralized authentication as the Identity Gateway can authenticate all traffic that passes through it from users, devices, and things.
Authorization Enforcement	<ul style="list-style-type: none"> Unlocks the power of authorization for any application in a non-invasive way and more closely integrates with ForgeRock Access Management. Increases the security of resources by leveraging contextual information for authorization by collecting additional data.
Throttling, Monitoring and Auditing	<ul style="list-style-type: none"> Throttle traffic to increase the security of Web APIs and applications. The throttling rate can be specified per user, domain name, IP address or based on different classes of applications or users. Monitor what's happening to take pre-emptive administrative actions and securely audit activity to the Common Audit Framework.
Password Capture and Replay	<ul style="list-style-type: none"> No existing application change or re-write is required to access legacy Web applications.
Secure Token Exchange	<ul style="list-style-type: none"> Ability to leverage ForgeRock Access Management token transformation to transform one token to another, e.g. OpenID Connect to SAML.
OpenID Connect Discovery	<ul style="list-style-type: none"> Simplify the OpenID Connect experience by automatically discovering the Identity Provider.
Mobile and Cloud-Service Ready	<ul style="list-style-type: none"> Provides a secure and transparent connection between cloud service, mobile devices, and enterprise using the standards-based OAuth 2.0 authorization service.
Simple Setup and Configuration	<ul style="list-style-type: none"> Simplifies and speeds configuration capabilities with a powerful design studio that enables developers to configure Identity Gateway only once into a test of production environment.
Correlation of Events and Transactions	<ul style="list-style-type: none"> The Common Audit Framework provides a means to log and correlate data consistently across the ForgeRock Identity Platform to increase security and better address privacy regulations.

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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