

# ForgeRock Directory Services

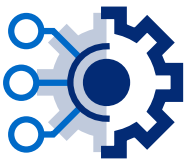
A Massively Scalable, High-Performance Data Store to Support Your Growing Identity Needs

## The Challenges of a Growing Identity Store

Your enterprise data store is under siege. With new objects being added at an exponential pace, the retrieval speed of identity-related information across your enterprise can be impacted. This results in performance degradation that delays responses to application queries and user access requests. Customer transactions are slowed. Your workforce becomes less productive. And user frustration grows. To support next-generation identity and access management (IAM), hybrid IT, remote work, Internet of Things (IoT), distributed cloud workloads, consumer demands, and workforce requirements, you need a directory service with built-in performance, security, scalability, and resilience.

# ForgeRock Directory Services

[ForgeRock Directory Services](#) is a next-generation, internet-scale data store that meets the needs of your hyper-competitive, identity-intensive enterprise. As part of the [ForgeRock Identity Platform](#), ForgeRock Directory Services supports [consumers](#), [workforce users](#), and the growing [IoT](#) footprint of “things” in your organization. It helps scale your business to any size, supports all your application and data needs, and – above all – provides the data infrastructure that powers your business needs now and in the future. ForgeRock Directory Services does this by:



## Delivering Exceptional Performance

ForgeRock Directory Services is architected to ensure the fastest possible response time in every scenario. This includes supporting hundreds of thousands of transactions per second, sub-second read/write time, sub-millisecond response time, smart queries of sub-groups to speed searches, and containerized directory stores placed geographically close to users that need them.



## Building in Security

Database entries and password credentials are encrypted to ensure the confidentiality and integrity of data at rest. Only authorized users or applications get access. An administrator – or any person or thing – accessing the directory infrastructure cannot view unauthorized data or tamper with it.



## Providing Massive Scalability

ForgeRock Directory Services can grow to billions of objects in the data store with no noticeable impact on performance. Scale up or scale down as your demand requires.



## Supporting Resiliency

ForgeRock Directory Services is architected by design to require zero downtime for upgrades. Indexes can be rebuilt without having to stop the service. The small footprint lends itself to embedding the service directly into applications using developer tools like REST and LDAP.

# ForgeRock Directory Services Features

ForgeRock Directory Services can be deployed on any operating system, server, or cloud while also utilizing containerized technology. Its architecture-independent and developer-friendly software has a rich feature set, which includes:

## Containerized Deployment Support

Use ForgeRock with Docker and Kubernetes containerization technology to consistently handle replication and database management, regardless of the underlying infrastructure. Scale up, scale down, and replicate across data centers and clouds as your needs dictate.

## Multi-Master and Fractional Replication

Downtime is expensive and prevents your users and customers from accessing the resources they need. With a zero-downtime approach, ForgeRock Directory Services makes sure you have the tools you need to preserve the integrity and availability of your data. It doesn't matter where your data is stored – you can manage all your data the same way.

## Pass-Through Authentication

Removing security risks associated with synchronizing passwords in your database is essential for preventing breaches. ForgeRock enables delegated authentication to another LDAP directory service, such as Active Directory, which mitigates risks associated with synchronizing passwords (example: transfer of clear text passwords).

## Automated Backup and Restore

Scheduling and managing backups is a time consuming but mission-critical task. ForgeRock provides advanced backup and restore functions, such as automated, compressed, signed, and encrypted backups to improve data reliability and security.

## Directory Proxy

Architecting solutions across multiple on-premises and cloud deployments can be tricky. ForgeRock offers Directory Proxy, which extends horizontal scalability in your multi-tenant environments, providing even more availability, performance, and better security for distributed architectures.

## REST and LDAP

Building directory services into your applications is essential for you to achieve your business goals. ForgeRock includes tools for developers so you can build ForgeRock Directory Services where you need it. ForgeRock Directory Services gives you the option of an LDAP SDK or REST API, SCIM, LDAP, and DSML-based web services.

## Monitoring and Alerts

Knowing what's going on in real-time helps you make mission-critical decisions. Supporting Prometheus, a cloud monitoring standard, as well as traditional SNMP and JMX standards, makes it easy to integrate ForgeRock Directory Services into your enterprise monitoring dashboards.

## ForgeRock for Your Enterprise Directory

Organizations need to modernize in order to stay competitive. ForgeRock Directory Services helps you meet highly connected, ultra-fast business requirements today and in the future. Contact us for more information on how ForgeRock Directory Services can support your organization's data and identity needs.

## 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](http://www.forgerock.com) or follow ForgeRock on social media.

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