

# CA Directory

## At A Glance

CA Directory is a battle-tested, next-generation directory server with superior scalability, reliability and performance that's 84 percent higher overall than the competition.<sup>1</sup> The solution enables you to support the most demanding on-premises and cloud applications at scale and across data centers, with minimal infrastructure and personnel resources for a lower TCO. CA Directory provides data distribution, intelligent internal routing, advanced replication, automated disaster recovery and REST-based API and web-based management UI, setting the benchmark for business-critical online services.

### KEY BENEFITS

- **TCO.** Achieve 84 percent higher performance and greater reliability with fewer resources.
- **Scalability and performance.** Meet the deployment demands of dynamic applications and scale to any number of users.
- **Manageability.** Improve efficiency by consolidating data islands into a geo-distributed backbone.
- **User experience.** Provide a highly responsive and always available application experience for your users.

### KEY FEATURES

- **Exceptional read/write performance.** Lowers TCO through the ability to perform operations at rates of up to 20,000 searches or updates per second on entry-level hardware.
- **All master replication.** Improves performance and data integrity via write-through replication, which eliminates the need for master/consumer models.
- **Automatic recovery.** Increases reliability and availability via seamless failover and fallback with automatic data resynchronization.
- **High scalability.** Scales to hundreds of millions of users/devices and billions of entries by distributing data across any number of servers to support all channels.
- **Data distribution and partitioning.** Supports geographically dispersed data centers with seamless application access to data while helping you to address compliance regulations, such as the GDPR.

## Business Challenges

Organizations are becoming increasingly reliant on their online and mobile applications to provide critical services for customers, employees and business partners. The ability to deliver superior availability, reliability, scalability and performance for these applications directly depends on the underlying directory infrastructure. Many organizations face difficulties associated with:

- **Explosive growth.** The explosion of user/device identities and the ability to maintain the performance necessary for a superior user experience is challenging many legacy repositories.
- **Identity silos.** It's not uncommon to find that multiple directories were deployed by different business units over time, which are now causing issues including, but not limited to, poor user experience, security exposure and increased operational costs.
- **New requirements.** Security requirements are evolving from simple user authentication to tracking detailed login and personalized information associated with dynamic business operations. In addition, compliance with regulations, such as the GDPR, requires control over the storage and access to personally identifiable information (PII) data.

## Solution Overview

CA Directory is a proven next-generation directory server that provides a standards-based distribution model (X.500 server-to-server communication), a standards-based replication model (DISP), and an overall higher performance than the competition. You gain the necessary scalability and reliability to support the most demanding on-premises and cloud applications at scale and across data centers, with minimal infrastructure and personnel resources for a lower TCO

The solution's superior technology enables ultra-high-speed performance for both read and write operations, as well as transparent distribution and replication to scale to any number of servers. Unlike common LDAP servers that can't efficiently communicate with one another, CA Directory is architected to perform and scale in a distributed environment at significantly lower hardware costs.

In addition, CA Directory has an intuitive user interface for configuring and operating your infrastructure, REST-based management APIs for automated deployment and monitoring of distributed CA Directory instances, and SCIM 2.0-compliant data REST API for user and group management.

## Critical Differentiators

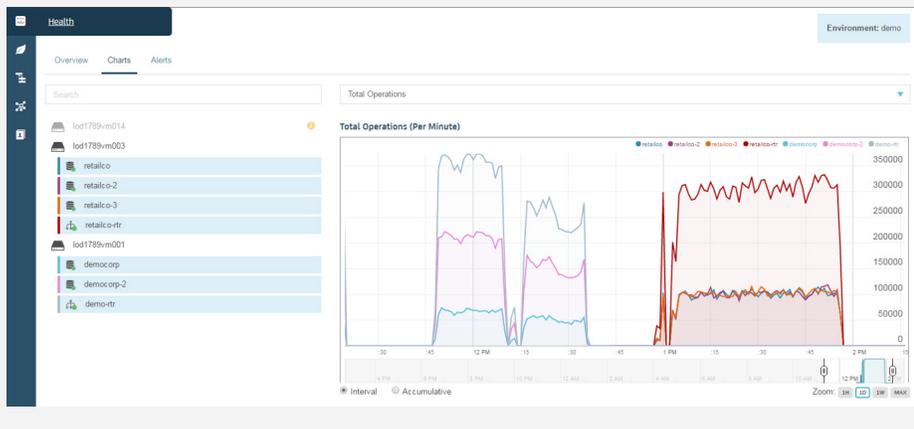
CA Directory is designed to serve as the backbone for delivering unlimited scalability, superior performance and maximum availability to the most demanding online applications—without significant growth in administrative or infrastructure costs.

- **Dynamic operations.** Exceptional write/read performance allows the solution to support the more demanding dynamic operations of today's online and mobile applications.
- **Fast application responsiveness.** Leverages X.500 protocols to provide internal high-speed switching and routing capabilities.
- **Data accuracy.** Write-through replication supports near-instantaneous updates (measured in milliseconds) across distributed servers to ensure that all copies of data are in sync.
- **High availability.** Supports real-time replication and the ability to support automatic and transparent failover and recovery.
- **Scalability.** The ability to distribute data across any number of servers allows the solution to support millions of users/devices without incurring large hardware costs or performance degradation.
- **Usability.** Provides REST-based APIs for automated deployment and monitoring of CA Directory instances.
- **ODSEE migration.** Provides bidirectional synchronization between Oracle Directory Server Enterprise Edition (ODSEE) and CA Directory to assist customers migrating off of ODSEE.
- **Simplifies integrations.** SCIM 2.0-compliant REST API simplifies user and group lifecycle integrations into identity management applications.

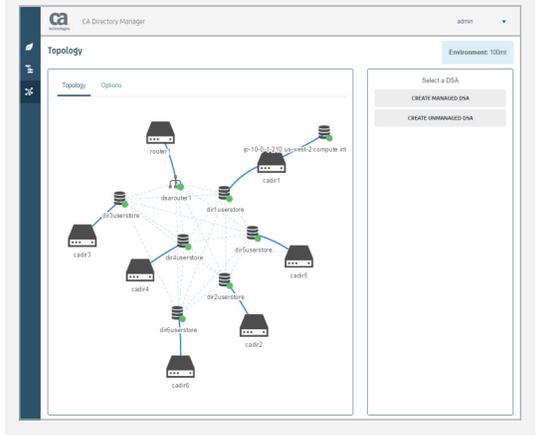
## Related Products/Solution

- **CA Single Sign-On.** Enables Web single sign-on across on-premises, hosted or partner-based applications for your customers and business partners.
- **CA Advanced Authentication.** Identify users with two-factor credentials and risk-based authentication.
- **CA API security solutions.** Provide a trusted API security solution for integrating across apps, devices and businesses.

CA Directory monitoring



CA Directory topology



For more information, please visit [ca.com/ca-directory](https://ca.com/ca-directory)

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1 IICSynergy, "Directory Benchmark Comparison," November 29, 2017

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