

## At a Glance

CA Directory is a battle-tested directory server that provides the scalability and reliability needed to support the most demanding on-premises and cloud Internet of Things (IoT)-scale applications with minimal infrastructure and personnel resources. The solution's innovative design enables ultra-high-speed performance as well as transparent load balancing, multimaster replication and state-based recovery. CA Directory's REST-based API and management UI also reduce TCO by facilitating automated operations across distributed deployments. CA Directory continues to set the benchmark for business-critical online services.

### Key Benefits/Results

- **TCO.** Provide high performance and reliability with fewer resources.
- **Scalability and performance.** Meet the deployment demands of dynamic applications.
- **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 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 failback 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.
- **Superior routing.** Reduces latency and improves user experience by leveraging X.500 server-to-server protocols to link together servers into a very fast switching (chaining) backbone.

## 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.

## Solution Overview

CA Directory is a proven directory server that provides a standards-based distribution model (X.500 server-to-server communication), as well as a standards-based replication model (DISP). You gain the performance, scalability and reliability needed to support your most demanding online applications.

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.

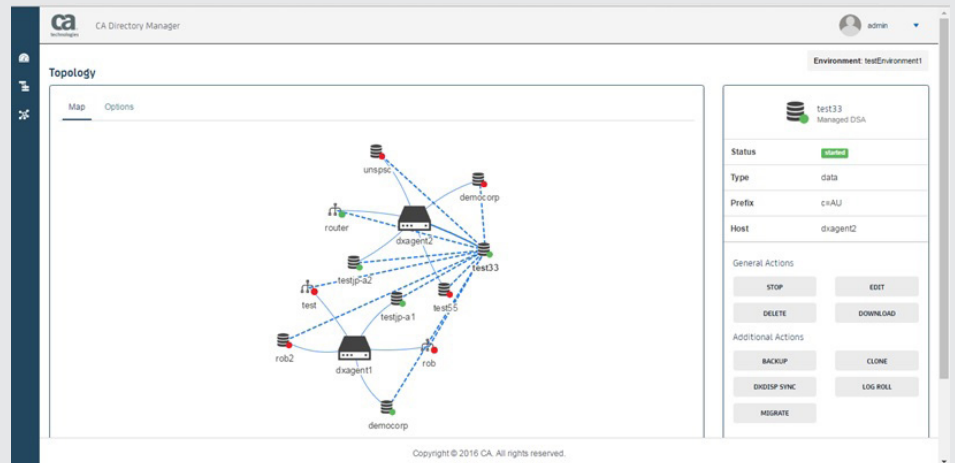
In addition, CA Directory has an intuitive user interface for configuring and operating your CA Directory infrastructure, as well as REST-based management APIs for automated deployment and monitoring of distributed CA Directory instances.

## Critical Differentiators

CA Directory serves 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 ODSEE and CA Directory to assist customers migrating off ODSEE.

Next generation management console for CA Directory



## Related Products/Solutions

- **CA API Management** addresses today's digital transformation challenges by enabling the open enterprise and providing a secure platform for integrating across apps, devices and businesses while protecting against external threats.
- **CA Single Sign-On** provides a centralized security management foundation that enables web single sign-on across on-premises, hosted or partner-based applications for your customers and business partners.

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

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