

# Why Upgrade to CA Directory 14.0

CA Directory is a proven next-generation directory service that provides necessary scalability, performance and reliability to support the most demanding online applications with minimal infrastructure and personnel resources. The solution's innovative design enables data distribution, intelligent internal routing, advanced replication and automated disaster recovery. In addition, the solution's REST-based API and Web-based management UI also reduce TCO.

Upgrading to the latest version of CA Directory provides the best value for your investment, as it provides the latest features, new certifications, cumulative bug-fixes and a longer support lifecycle.

The table below provides a simplified summary of enhancements introduced in recent versions, key among which are:

1. **Web 2.0 browser based administrative UI** that is simple to use for configuring, operating and monitoring your distributed CA Directory infrastructure.
2. **REST-based management APIs** for automated deployment and monitoring of CA Directory instances.
3. **REST-based data access APIs** that conform to the SCIM 2.0 standard for simple identity management.
4. **Configurable email notifications of system alerts.**
5. **Oracle Directory Server Enterprise Edition (ODSEE) bidirectional synchronization** tool to allow customers to migrate off this legacy directory.

#### Overall upgrade benefits include:

- Improved security
- Improved user experience
- Simplified administration
- Lower total cost of ownership

For additional details related to the items in the table below, please consult the technical guides.

Features: Directory Services	12.0.18	12.5	12.6	14.0
<b>Monitoring directory health.</b> CA Directory now has an embedded charting capability that shows operational metrics for Directory System Agents (DSAs) that are being monitored.	X	X	X	✓
<b>Alerts table in management UI.</b> CA Directory includes a table view of all system alerts, which can be filtered and sorted for quick review and analysis.	X	X	X	✓
<b>Email notifications of alerts.</b> CA Directory enables email notifications of various alerts to users with complex filters to control which alerts are received by which users.	X	X	X	✓
<b>SCIM 2.0 Rest API support.</b> CA Directory now provides a data REST API for user and group management, without modification to the existing LDAP schema.	X	X	X	✓
<b>Legacy directory server migration.</b> CA Directory now supports add and modify requests containing null attribute values to support users migrating from legacy LDAP servers.	✓	✓	✓	✓

<b>Dynamic group enhancement.</b> CA Directory now allows you to use the set dynamic-group command to manually exclude group members from a dynamic group members attribute.	✓	✓	✓	✓
<b>DSP enhancements.</b> CA Directory now supports multi-link DSP connections for improved performance.	X	✓	✓	✓
<b>SSL settings.</b> Two new SSL protocol settings are introduced to limit the negotiated protocol to TLS1.1 (tlsv11) and TLS1.2 (tlsv12).	✓	✓	✓	✓
<b>Password hashing.</b> CA Directory now supports SCRYPT/BCRYPT password hashing.	X	✓	✓	✓
<b>CAPKI update.</b> CA Directory now uses the embedded CAPKI v5.2, which replaces the BSAFE libraries for enhanced security.	X	X	✓	✓
Platforms and Internals	12.0.18	12.5	12.6	14.0
<b>64-bit support.</b> CA Directory server components can run on 64-bit platforms.	✓	✓	✓	✓
<b>Operating system support:</b> Red Hat 6.7	✓	✓	✓	✓
Red Hat 7.2	✓	✓	✓	✓
SUSE 12 SP1	✓	✓	✓	✓
Red Hat 6.8	X	✓	✓	✓
Ubuntu 16.04	X	✓	✓	✓
CentOS 6.8	X	✓	✓	✓

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

CA Technologies (NASDAQ: CA) creates software that fuels transformation for companies and enables them to seize the opportunities of the application economy. Software is at the heart of every business, in every industry. From planning to development to management and security, CA is working with companies worldwide to change the way we live, transact and communicate—across mobile, private and public cloud, distributed and mainframe environments. Learn more at [ca.com](https://ca.com).

Copyright © 2018 CA. All rights reserved. All trademarks, trade names, service marks and logos referenced herein belong to their respective companies.

This document is for your informational purposes only. CA assumes no responsibility for the accuracy or completeness of the information. To the extent permitted by applicable law, CA provides this document "as is" without warranty of any kind, including, without limitation, any implied warranties of merchantability, fitness for a particular purpose, or noninfringement. In no event will CA be liable for any loss or damage, direct or indirect, from the use of this document, including, without limitation, lost profits, business interruption, goodwill or lost data, even if CA is expressly advised in advance of the possibility of such damages. CA does not provide legal advice. Neither this document nor any CA software product referenced herein shall serve as a substitute for your compliance with any laws (including but not limited to any act, statute, regulation, rule, directive, policy, standard, guideline, measure, requirement, administrative order, executive order, etc. (collectively, "Laws")) referenced in this document. You should consult with competent legal counsel regarding any Laws referenced herein.