

CA Embedded Entitlements Manager

Release Notes

Release 12.0



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CA Product References

This document references the following CA products:

- CA[®] CA Embedded Entitlements Manager (CA EEM)
- CA[®] Directory
- CA[®] SiteMinder[®] Web Access Manager (CA SiteMinder)

Documentation Changes

The following documentation updates have been made since the last release of this documentation:

- New and Changed Features in r12.0—This chapter describes support for multiple domains, failover tool, and certificate validation, dynamic CPP SDK libraries, search for users in global groups, server installer, deprecated APIs list, support for CA User Activity Reporting Module Reporting Component, and external LDAP user and group caching features.
- The following Known Issues were removed as they were either fixed or no longer apply to this update:
 - Error Messages are Displayed When iGateway Service is Started or Stopped
 - SponsorHandler::loadSponsor Error Messages in igateway.log file
 - Delegation Policies
 - Error in Custom Installation
 - Error in CA EEM Server Installation
 - Error Using XACML and SPML Services
 - Export Application Takes Time
 - Unable to Launch CA EEM GUI After Uninstalling CA Audit
 - Custom Reports Fails to Load or Takes a Long Time to Load
 - Application Data is Missing After Connecting to CA SiteMinder
 - SAML Does Not Work After Upgrading From r8.2.1 to the Current Release
 - Event Log Settings Not Displayed
 - Global Group Memberships Are Not Displayed Correctly for Custom Mapped Sun One Directory
 - Archive Query Fails
 - Archive Query Results Are Not Refreshed
 - Storage Folder Field Under Event Log Settings
- The following Limitation was removed as it was either fixed or no longer valid to this update:
 - CA EEM SiteMinder Integration

Contact CA

Contact CA Support

For your convenience, CA provides one site where you can access the information you need for your Home Office, Small Business, and Enterprise CA products. At <http://ca.com/support>, you can access the following:

- Online and telephone contact information for technical assistance and customer services
- Information about user communities and forums
- Product and documentation downloads
- CA Support policies and guidelines
- Other helpful resources appropriate for your product

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Chapter 1: Welcome

Welcome to CA Embedded Entitlements Manager (CA EEM). This document contains information about product installation considerations, operating system support, new features, changes to existing features, known issues, third-party acknowledgments, and information about contacting CA Technical Support.

Note: We recommend that you refer the CA EEM documentation or the Authentication Server topics in your product documentation to understand the CA EEM features used by your product.

Chapter 2: Operating System Support

CA EEM Server and the CA EEM SDK require that you have one of the following operating systems installed:

Platform	Architecture	Version
Windows	x86/64	Microsoft Windows 2008 Microsoft Windows 2008 R2 Microsoft Windows 7 (CA EEM SDK only)
Solaris	SPARC/32-bit and 64-bit	Sun Solaris 10 (Ultra SPARC) with GNU tar 1.15.1 Sun Solaris 9 (Ultra SPARC) with GNU tar 1.15.1 Sun Logical Domains (LDOM) (run CA EEM as a 32-bit application)
Linux	x86/64	SUSE Linux Enterprise Server 10, SUSE Linux Enterprise Server 11 Red Hat Enterprise Linux Server 5, Red Hat Enterprise Linux Server 6 CentOS 5.5 Note: CA EEM runs as a 32-bit application on 64-bit operating systems.
IBM AIX	Power5/32-bit and 64-bit	IBM AIX 6.1 IBM AIX 5.3 with Maintenance Level 9, libcompat.1.o library Note: CA EEM runs as a 32-bit application on 64-bit operating systems.
HP-UX	PARISC/32-bit	HP 11.31 Note: CA EEM runs as a 32-bit application on 64-bit operating systems.
HP-UX	Itanium2	HP 11.31 with Aries emulator on HP Itanium 11.31 (CA EEM SDK only)

CA supports these operating systems for the duration of their life cycle (as determined by the operating system's manufacturer or until CA announces that we are dropping support). Visit our website <http://ca.com/support> for the latest information about supported operating systems.

Chapter 3: System Requirements

This section contains the following topics:

[Windows](#) (see page 15)

[UNIX and Linux](#) (see page 15)

Windows

The minimum system requirements are:

- An Intel Pentium or higher computer with a CD-ROM drive
- At least 4 GB of RAM
- 10GB of hard disk free space, plus enough space for the directory data
- At least 300 MB disk space required under the temporary directory %temp% (C:\Documents and Settings\Administrator\Local Settings\Temp\)) where the CA EEM installation files are extracted during installation
- Windows updates applied, that is Windows Installer v3 or later
- Winsock-compatible TCP/IP installed and configured
- Windows administrator access to the system
- Adobe Acrobat Reader 8.0 to view the print format of the documentation
- Internet Browser to run the Web components (Microsoft Internet Explorer 7.0 or higher, or Firefox 3.0 or higher)

UNIX and Linux

The minimum system requirements are:

- At least 4 GB of RAM
- 10 GB of hard disk free space, plus enough space for the directory data
- At least 500-MB disk space required under the temporary directory (/tmp) where the CA EEM installation files are extracted during installation
- Adobe Acrobat Reader to view the print format of the documentation (Reader 5.0.10 for Solaris and Reader 7.0 for Linux)
- Internet Browser to run the Web components (Firefox 3.0 and higher).
- General UNIX system administration skills and Superuser (root) access to a computer to install CA EEM

Chapter 4: Installation Considerations

Installation and upgrade procedures for this release of CA EEM are described in the *Implementation Guide*.

Before you install and configure CA EEM, verify that you have installed the Windows Installer 3.1 on Windows platform.

This section contains the following topics:

[Supported FIPS Modes](#) (see page 17)

Supported FIPS Modes

By default CA EEM is installed in a non-FIPS mode. FIPS-only mode can be configured during installation or post-installation.

CA EEM does not support FIPS-only mode with SAML and SELinux operating systems.

Chapter 5: Upgrade Considerations

This section contains the following topics:

[Upgrade Considerations](#) (see page 20)

[MDB Database Migration](#) (see page 21)

Upgrade Considerations

You can upgrade from CA EEM r8.3 Server or higher to CA EEM r12.0 Server. Before you upgrade:

- Back up CA EEM server data, configuration files, CA Directory and iTechnology folders.
- In a failover setup, verify that you have performed the following tasks in the CA Directory knowledge file:
 - Set all the failover servers to use the same DSA password (dsa-password). If the CA Directory knowledge file does not contain a dsa-password, you must add a password.
 - Set auth-levels to anonymous, clear-password.

Example: Sample CA Directory Knowledge File

```
# eiam repository

#

set dsa "iTechPoz-hostname" =

{

prefix    = <cn iTechPoz>

dsa-name  = <cn iTechPoz><cn PozDsa><cn "hostname">

dsa-password =

"SHA512}0bZCU81wqw/kbpXuCHQF6Q38S9ZG+K+CZcOerUYEwbHTIz2tcl4CU3KNWugdy9jStW5GFBNV

NI7n5N6nxB4Ztg=="

address   = tcp "hostname" port 509

auth-levels = anonymous, clear-password

dsp-idle-time = 120

dsa-flags = multi-write

link-flags = ssl-encryption-remote

};
```

Note: For more information about how to back up your CA EEM data and configuration files, see Back Up and Restore CA EEM Data.

The following components are updated when you perform an upgrade:

- CA EEM Server
- iGateway

- CA Directory

After the upgrade, CA EEM performs the following tasks:

- Changes the installation folder from Embedded EIAM to EmbeddedEntitlementsManager.
- Uses the builtin failover mechanism instead of CA Directory routers.
- Restores the default configuration settings.
- Migrates all P12 certificates to PEM certificates.

MDB Database Migration

When you upgrade to the current version of CA EEM, the data in the CA MDB database is migrated to CA Directory. After the upgrade, CA EEM Server accesses the data from CA Directory.

Chapter 6: New Features

This section contains the following topics:

[Support for Multiple Domains](#) (see page 23)

[Failover Tool](#) (see page 23)

[Certificate Validation](#) (see page 24)

Support for Multiple Domains

CA EEM now supports the following LDAP directories configurations:

Basic LDAP directory

Specifies that CA EEM resolves the global users and global groups within a specified LDAP directory.

Multiple Active Directory domains

Specifies that CA EEM resolves the global users and global groups across the configured Active Directory domains or forest. CA EEM supports the following Active Directory configurations:

Active Directory Domain

Specifies that CA EEM resolves domain-qualified global users and global groups across the individually configured domains.

Active Directory Forest

Specified that CA EEM resolves domain-qualified global users and global groups across all the domains within the configured forest.

For information about the multiple domain support, see the *Implementation Guide* or the *Online Help*.

Failover Tool

CA EEM provides a command line tool for automating the failover configuration process. Using the failover tool, you can configure a primary server and various failover nodes.

For information about the failover tool, see the *Implementation Guide*.

Certificate Validation

After you verify the public key and private key of a certificate in an SSL handshake, you can use CA EEM to validate the revocation status of a certificate. CA EEM uses the `validateUserCertificate` API to validate a certificate. If the validation of a certificate is successful, CA EEM extracts the username and initiates a safe session.

CA EEM supports the following revocation mechanisms:

- Certificate Revocation List (CRL)
- CRL Distribution Point (CRLDP)
- Online Certificate Status Protocol (OCSP)

For information about the certificate validation, see the *Implementation Guide* or the *Online Help*, and the *Programming Guide*.

Chapter 7: Changes to Existing Features

This section contains the following topics:

[Dynamic CPP SDK Libraries](#) (see page 25)

[Search for Users in Global Groups](#) (see page 25)

[Server Installer](#) (see page 25)

[SHA2 Support](#) (see page 25)

[Deprecated APIs](#) (see page 26)

[CA User Activity Reporting Module Reporting Component](#) (see page 27)

[External LDAP User and Group Caching](#) (see page 27)

Dynamic CPP SDK Libraries

CA EEM now provides dynamic linked-libraries for CPP SDKs instead of the static linked-libraries. Also, CA EEM no longer exposes iTech SDK objects in the APIs.

For information about CPP SDKs, see the *Implementation Guide*.

Search for Users in Global Groups

CA EEM no longer supports a search for users belonging to a global group.

Server Installer

The Server Installer now uses InstallAnywhere installer.

For information about the Server Installer, see the *Implementation Guide*.

SHA2 Support

CA EEM now uses SHA2 for the following tasks:

- Manage client-server communication
- Store user passwords
- Manage application certificates

Deprecated APIs

CA EEM does not provide the following deprecated APIs:

- `SafeContext.authenticateWithPam`
- `SafeContext.submitAdminEvent`
- `SafeContxt.getCache`
- `SaefContext.setPersistentCacheFile`
- `SaefContext.getPersistentCacheFile`
- `SaefContext.synchronizeAll`
- `SaefContext.isPushSupported`
- `SaefContext.generatePassTicket`
- `SaefContext.configurePassTicket`
- `SaefContext.disablePassTicket`
- `SafeContext.getApplicationInstanceObject`
- `SafeContext.isExternalDirectory`
- `SafeContext.isSiteMinder`
- `SafeGlobalUser.setDirectoryPassword`
- `SafeGlobalUser.setDirectoryPasswordDigest`
- `SafeGlobalUser.getDirectoryPassword`
- `SafeUser.setSuspended`
- `SafeUser.isSuspended`
- `SafeSession.setIdentity`
- `SafeSession.addUserGroup`
- `SafeSession.clearUserGroupQ`
- `SafeSession.addGlobalUserGroup`
- `SafeSession.addDynamicUserGroup`
- `SafeSession.clearDynamicUserGroupQ`
- `SafeSession.addAttr`
- `SafeSession.clearAttrQ`
- `SafeSession.delAttr`
- `SafeSession.delnAttr`
- `SafeSession.clearAttrQ`
- `SafeSession.clearAttrQ`

- `SafeSession.clearAttrQ`

CA User Activity Reporting Module Reporting Component

CA EEM no longer ships the CA User Activity Reporting Module Reporting Component. CA EEM now stores the security events in files under the default location CA EEM Installation Directory/logs. You can configure the default logging properties using the plugin.xml in the CA EEM Installation Directory/config/logger location.

External LDAP User and Group Caching

CA EEM no longer caches entire users, groups, and folders of the configured external LDAP directory. You can set a limit to caching.

For information about caching, see the *Online Help*.

Chapter 8: Known Issues

This section contains the following topics:

- [CA EEM Java Authentication API Takes 20 Seconds](#) (see page 30)
- [SAML Authentication and CA SiteMinder Integration Do Not Work When the CA EEM Server is in FIPS-only Mode](#) (see page 30)
- [Cannot Log Into CA EEM Server with a Custom Created User EiamAdmin](#) (see page 31)
- [Error Using CA EEM Java SDK](#) (see page 31)
- [Error Using Kerberos Authentication](#) (see page 32)
- [Error Using Pre-Deployment Labels in Scoping and Dynamic User Group Policies](#) (see page 32)
- [CA EEM UI Displays the CAELM Application](#) (see page 33)
- [Error Using WebLogic 8.1 Application Server](#) (see page 33)
- [Attach Operation Fails on CA EEM 8.4](#) (see page 34)
- [CA SiteMinder Configuration Fails Intermittently on UNIX](#) (see page 34)
- [Unable to Launch CA EEM GUI After Installing CA Integrated Threat Management](#) (see page 35)
- [Unable to Launch CA EEM GUI After Uninstalling CA Integrated Threat Management](#) (see page 36)
- [Search for Users or Groups When Connected to CA SiteMinder Takes a Long Time to Complete](#) (see page 36)
- [Memory Size on HP-UX](#) (see page 37)
- [Authentication to an SSL Enabled Directory over Non-SSL Port Fails](#) (see page 37)
- [Communication between CA EEM Server and Client Is Broken in an IPv6 Environment](#) (see page 38)
- [User Authentication and Authorization Fails after CA EEM Upgrade](#) (see page 39)
- [Search for Users and Groups Fails](#) (see page 39)
- [Export of Server Configuration Fails](#) (see page 39)
- [User Authentication and Authorization Fails on CA SiteMinder](#) (see page 40)
- [Failover Configuration Fails after CA EEM Upgrade](#) (see page 40)

CA EEM Java Authentication API Takes 20 Seconds

Valid on Linux

Symptom:

When I use BSAFE Crypto-J 4.0 as a JCE provider, the CA EEM authentication API takes 20 seconds to execute.

Solution:

This is an issue with Sun Java. The workaround for this issue is published on the following Sun site: <http://bugs.sun.com/>. Search for the bug ID: 4705093 to see the workaround. Follow the steps as a workaround:

- Set the EGD used by Java by setting the security property "java.security.egd" to "file:///dev/urandom"

or

- Set the system property, rather than the security property, "java.security.egd" from the command line as follows: `-Djava.security.egd=file:///dev/./urandom`

SAML Authentication and CA SiteMinder Integration Do Not Work When the CA EEM Server is in FIPS-only Mode

Valid on AIX

SAML authentication and CA SiteMinder integration fails when CA EEM Server is configured for FIPS-only mode.

Cannot Log Into CA EEM Server with a Custom Created User EiamAdmin

Valid on Windows and Linux

Symptom:

I cannot log into CA EEM server with a custom created user "EiamAdmin". I receive an incorrect password error message.

Solution:

By default, CA EEM creates a user 'EiamAdmin' with administrative privileges during installation. When you try to login as "EiamAdmin", CA EEM always tries to authenticate based on the credentials of the default "EiamAdmin" user. Therefore, if you have a custom user "EiamAdmin" in your external directory, you cannot log into CA EEM with the custom "EiamAdmin" credentials.

Error Using CA EEM Java SDK

Symptom:

When I use the CA EEM Java SDK on a computer with Tomcat 4.1, I receive the following browser error:

HTTP 404 Error

In the Tomcat log, I see the following exception:

```
org.apache.commons.logging.LogConfigurationException: Invalid class loader hierarchy. You have more than one version of 'org.apache.commons.logging.Log' visible, which is not allowed.
```

Solution:

To use the CA EEM Java SDK on a computer with Tomcat 4.1, do the following:

1. Stop Tomcat Server.
2. Delete the commons-logging-api.jar and commons-logging.jar files from the webapps/application_name/WEB-INF/lib/ directory.
3. Restart Tomcat Server.

Error Using Kerberos Authentication

Valid on SUSE Linux 9

Symptom:

When I perform Kerberos authentication, I receive an "EE_Authentication" error.

Solution:

Enable trace in the CA EEM to capture the details of the error in the iPoz log file. If you receive the error message 'libkrb5.so file does not exist' in the iPoz.log file, create a link from the existing libkrb5.so.* file to the libkrb5.so file.

You receive this error if the authentication process is unable to locate the libkrb5.so file in the LD_LIBRARY_PATH.

Note: The iPoz.log file logs the error only if you enable trace on CA EEM. For information on how to enable tracing, see the *Programming Guide*.

Example: Create a link

The following example searches for the available version of libkrb5.so file and creates a link:

```
# find / -name libkrb5.so.*  
/usr/lib/libkrb5.so.17.3.0  
# ln -s /usr/lib/libkrb5.so.17.3.0 /usr/lib/libkrb5.so
```

Error Using Pre-Deployment Labels in Scoping and Dynamic User Group Policies

Symptom:

When I try to define pre-deployment labels for scoping and dynamic user group policies, the evaluation result is invalid.

Solution:

CA EEM server now evaluates the scoping and dynamic user group policies. So, pre-deployment labels do not reflect in the new authorization checks.

CA EEM UI Displays the CAELM Application

Symptom:

When I upgraded to CA EEM r12.0, CA EEM still displays CAELM application on the UI.

Solution:

To unregister the CAELM application, perform the following steps:

1. Log on to the Global Application as an EiamAdmin.
The CA Embedded Entitlements Manager application window opens.
2. Click Configure, Applications.
The available applications are displayed in the left pane.
3. Click CAELM.
The Application Instance details are displayed on the right pane.
4. Click Unregister.
A delete confirmation dialog opens.
5. Click OK.

Error Using WebLogic 8.1 Application Server

Symptom:

When I deploy an application that uses the CA EEM Java SDK, on a WebLogic 8.1 Application server, I receive a ClassCastException.

Solution:

You receive this error if the WebLogic server is configured to use its own implementation of `HttpsURLConnection` for HTTP handlers.

To avoid this error, configure the WebLogic server to use the SUN handlers by adding the `-DUseSunHttpHandler=true` parameter to the JVM options.

For information on how to set the parameters, see the JVM documentation.

Attach Operation Fails on CA EEM 8.4

Symptom:

When I define attach permissions for a group, and a user from the group tries to attach to an SDK, the attach operation failed.

Solution:

As a workaround, perform *one* of the following steps:

- Use the latest SDK for your application.
- Define a scoping policy for a user with read permission to the global groups and application groups.

CA SiteMinder Configuration Fails Intermittently on UNIX

Symptom:

When I try to connect CA EEM server to the configured CA SiteMinder Policy Server, the operation fails.

Solution:

This issue occurs when there is a low entropy on the CA EEM server. To resolve the issue, perform *one* of the following steps:

1. Add a symbolic link from `/dev/random` to `/dev/urandom`.
2. Perform the following steps:
 - a. Install the `mgd` daemon.
 - b. Execute the following command:

```
#cat /proc/sys/kernel/random/entropy_aval
```

The entropy value is displayed.
 - c. Execute the following command:

```
#mgd -r /dev/urandom -o /dev/random -f -t 1
```

The `mgd` daemon is started.
 - d. (Optional) Execute the following command to monitor the entropy value:

```
#watch -n 1 cat /proc/sys/kernel/random/entropy_aval
```

Unable to Launch CA EEM GUI After Installing CA Integrated Threat Management

Symptom:

I am unable to launch CA EEM GUI after installing CA Integrated Threat Management on the same server as CA EEM.

Solution:

You may be unable to launch CA EEM GUI because CA Integrated Threat Management during installation removes a <Spindle> tag from the Spin.conf file.

You must add the <Spindle> tag before the following section in the Spin.conf file to launch CA EEM GUI:

```
<version>8.1</version>
  <directory/>
  <config/>
  <redirecthttps>true</redirecthttps>
  <sendevents>true</sendevents>
</Spindle>
```

To look like:

```
<Spindle>
  <version>8.1</version>
  <directory/>
  <config/>
  <redirecthttps>true</redirecthttps>
  <sendevents>true</sendevents>
</Spindle>
```

Unable to Launch CA EEM GUI After Uninstalling CA Integrated Threat Management

Symptom:

I am unable to launch CA EEM GUI after uninstalling CA Integrated Threat Management that is installed on the same server as CA EEM.

Solution:

You may be unable to launch CA EEM GUI because CA Integrated Threat Management during uninstallation removes a <Spindle> tag from the Spin.conf file.

You must add the <Spindle> tag before the following section in the Spin.conf file to launch CA EEM GUI:

```
<version>8.1</version>
  <directory/>
  <config/>
  <redirecthttps>>true</redirecthttps>
  <sendevents>>true</sendevents>
</Spindle>
```

To look like:

```
<Spindle>
  <version>8.1</version>
  <directory/>
  <config/>
  <redirecthttps>>true</redirecthttps>
  <sendevents>>true</sendevents>
</Spindle>
```

Search for Users or Groups When Connected to CA SiteMinder Takes a Long Time to Complete

When you use a regular expression * (asterisk) to search for users or groups through CA SiteMinder, CA EEM may take 20 minutes to 45 minutes, based on your system configuration, to display the results.

Memory Size on HP-UX

By default, HP-UX allocates 256 MB of memory for processes such as iGateway. CA EEM will run out of memory and iGateway may crash if you perform tasks using CA EEM that may require memory of more than 256 MB. So, you must increase the memory size allocated by HP-UX to iGateway process based on your requirement.

Authentication to an SSL Enabled Directory over Non-SSL Port Fails

Symptom:

When I disable SSL connections to an external directory and later try connecting to that external directory using SSL port 636, the authentication fails, and I am unable to login to CA EEM GUI.

Solution:

You cannot use an SSL port to connect to an external directory even if the SSL connection is disabled. To connect to an external directory that is configured for SSL connections, over non-SSL ports, you must do the following:

1. Open server.xml file and edit the following entry to reflect any valid non-SSL port:

```
<host>ldaphostname:port</host>
```

2. Restart iGateway

You can now connect to an SSL enabled external directory over non-SSL ports. The authentication is successful and you can login to CA EEM GUI.

Communication between CA EEM Server and Client Is Broken in an IPv6 Environment

Valid on Windows

Symptom:

The communication between a client and its server is broken in an IPv6 environment.

Solution:

In an IPv6 environment, the aforementioned platforms cannot communicate with the DNS server to resolve IPv6 addresses to host names. Hence, the communication between a client and its server is broken. You must perform the following steps to enable communication:

1. Open the hosts file located in the following folder:

`<Windows_install_drive>\WINDOWS\system32\drivers\etc`

2. Add the IP address and host name of the destination computer to the existing IP addresses and host names in the following format:

IPv6_Address Hostname

For example, 2002:9b23:2d52::b892:c8f3:5695:fd5c GPC00015, where 2002:9b23:2d52::b892:c8f3:5695:fd5c is the IP Address and GPC00015 is the host name of the corresponding computer.

3. Save and close the hosts file.

The IPv6 address of the destination computer is mapped to the host name of the destination computer.

Note: You must repeat this procedure on all client and their corresponding server computers. For more information on IPv6 and Windows, see the following link: <http://www.microsoft.com/technet/network/ipv6/ipv6faq.msp>

User Authentication and Authorization Fails after CA EEM Upgrade

Valid on RHEL 5 and Solaris

Symptom:

When I upgraded to CA EEM r12.0 from an earlier version and tried to authenticate and authorize a user using SiteMinder, the operations fail.

Solution:

This is a known issue. A fix for this issue will be available in a future release of CA EEM.

Search for Users and Groups Fails

Symptom:

When I search for users or groups, and click a user or group from the search results page, a blank page appears.

Solution:

To resolve this issue, add a scoping policy for the iPoz resource with read action to a user who wants to view the search results.

Export of Server Configuration Fails

Symptom:

When I export an application from CA EEM server, the server configuration details in the imported XML are not updated.

Solution:

By default, CA EEM r12.0 does not export the server configuration details. To resolve this issue, perform the following steps:

1. Configure the destination server with the server configuration details of the source server.
2. Export an application into XML from the source server.
3. Import the XML into the destination server.

User Authentication and Authorization Fails on CA SiteMinder

Symptom:

When I use CA SiteMinder to authenticate and authorize a user belonging to a user group name with "-", the operations fail.

Solution:

This is a known issue. A fix for this issue will be available in a future release of CA EEM.

Failover Configuration Fails after CA EEM Upgrade

Symptom:

When I upgraded to CA EEM r12.0 from an earlier release, the failover configuration fails.

Solution:

This is a known issue. A fix for this issue will be available in a future release of CA EEM. As a workaround, reconfigure the failover configuration.

Chapter 9: Limitations

This section contains the following topics:

[CA Integrated Threat Management r8.0](#) (see page 41)

[Display Limitations in User Interface](#) (see page 41)

[CA EEM Server Operating System Requirements for Kerberos Authentication](#)
(see page 42)

[Policy Limitation on HP-UX](#) (see page 42)

[Username and Groupname Limitation](#) (see page 42)

CA Integrated Threat Management r8.0

CA EEM is incompatible with CA Integrated Threat Management r8.0. Therefore, if you need to run the CA EEM Server on the same computer as the CA Integrated Threat Management product, you must upgrade your computer to CA Integrated Threat Management r8.1.

Display Limitations in User Interface

The use of non-alphanumeric characters, such as double quotes, \ or / cause display problems in the user interface. Use only alphanumeric characters for the following objects:

- Actions
- Calendars
- Custom Mapped Directory Label
- Global Groups
- Global Users
- Folders
- Named Attributes
- Obligation Names
- Policies
- Resource Classes
- Users
- User Attributes
- User Groups

CA EEM Server Operating System Requirements for Kerberos Authentication

For Kerberos authentication from any CA EEM-supported client, the CA EEM Server must be installed on any of the following operating systems:

- AIX 5.3 with krb.client packages installed
- Solaris 10 with kernel patch level 120011-14 or later

Important! CA EEM does not support Kerberos authentication on the HP-UX platform.

Policy Limitation on HP-UX

CA EEM supports up to 20,000 policies on the HP-UX platform.

Username and Groupname Limitation

CA EEM reads a "\" as a domain name separator. So, when you try to authenticate or authorize a username or a group with a "\" in the basic LDAP user store, the operation fails.

Chapter 10: Documentation

This section contains the following topics:

[CA HTML Bookshelf](#) (see page 43)

[Search the Bookshelf](#) (see page 43)

[Documentation Deliverables](#) (see page 44)

CA HTML Bookshelf

This release contains the CA HTML Bookshelf, which is an HTML help system that provides access to all deliverables in the product documentation set in both HTML and PDF. HTML provides robust online viewing and search capabilities, while PDF provides a print-friendly option.

The HTML bookshelf features include:

- A single help screen that displays all documentation for this release.
- An all-in-one search tool that searches the entire documentation set and returns matches found in both the HTML and PDF formatted documentation, without the need for a specialized .PDX index file.
- Additional links for using the Bookshelf, downloading Acrobat Reader, and contacting CA.

Search the Bookshelf

The bookshelf includes a search facility that helps you locate information throughout the set.

To search the bookshelf

1. Enter your search criteria in the Search field in the upper right corner of the bookshelf and press Enter.

The search returns HTML results listed by topic and PDF results listed by guide. The results are sorted by date so that the most recently updated topics or PDFs appear at the top of the list. To find a topic in a PDF, open the PDF and view the list of topics within the PDF that match the search criteria.

2. (Optional) Click Sort by Relevance.

The list is reordered so that the HTML topics or PDFs that contain the most matches appear at the top of the list.

Documentation Deliverables

The CA EEM documentation set contains the following document deliverables:

- CA EEM Programming Guide, which contains information about SDKs.
- CA EEM Implementation Guide that replaces the CA EEM Getting Started Guide, which contains information about the CA EEM Server.
- CA EEM Release Notes, which contains information about the current release such as highlights of the new features, enhancements to existing features, known issues, and so on.

Chapter 11: International Support

An *internationalized* product is an English product that runs correctly on local language versions of the required operating system and required third-party products, and supports local language data for input and output. Internationalized products also support the ability to specify local language conventions for date, time, currency and number formats.

A *translated* product (sometimes referred to as a *localized* product) is an internationalized product that includes local language support for the product user interface, online help and other documentation, local language default settings for date, time, currency, and number formats.

CA EEM is internationalized but not translated.

Note: The CA EEM SDK is not translated.

Appendix A: Third-Party License Agreements

CA EEM uses some third-party code. This appendix includes the license agreements for that code.

This section contains the following topics:

[Adaptive Communication Environment \(ACE\) 5.5.10](#) (see page 48)
[AIX JRE 6.0 Service Refresh 9 Fixpack1 \(6.0SR9FP1\)](#) (see page 49)
[Aleksey XML Security Library v.1.2.9 and the xmlsec-nss Library](#) (see page 50)
[Softwares Under the Apache License](#) (see page 64)
[Bouncy Castle 1.45](#) (see page 68)
[Commons IO 2.0.1](#) (see page 69)
[Expat 2.0.1](#) (see page 73)
[JArqs 1.0](#) (see page 74)
[Java Access Bridge v2.0.2](#) (see page 75)
[HP-UX JRE 6.0.10](#) (see page 75)
[libcurl 7.18.2](#) (see page 76)
[Libxml2 2.6.27](#) (see page 77)
[MIT Kerberos v5 release1.4](#) (see page 78)
[NUNIT 2.2.8](#) (see page 81)
[OpenLDAP 2.4](#) (see page 82)
[OpenSSL 0.9.8.d and 0.9.8.h](#) (see page 83)
[PCRE 6.3](#) (see page 86)
[Sun JRE 1.6.0_25](#) (see page 88)
[zlib 1.2.3](#) (see page 88)
[ZThread 2.3.2](#) (see page 89)

Adaptive Communication Environment (ACE) 5.5.10

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If you have any suggestions, additions, comments, or questions, please let me know (email: d.schmidt@vanderbilt.edu).

Douglas C. Schmidt

AIX JRE 6.0 Service Refresh 9 Fixpack1 (6.OSR9FP1)

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LEGAL form mozilla source code base directory

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B) Intermind owns pending U.S. patent applications on communications systems which employ metadata ("channel objects") to define a control structure for information transfer. The Netscape code does not infringe as released; however, modifications which utilize channel objects as described by Intermind should be considered carefully. The following is a statement from Intermind: "Intermind's claims fundamentally involve the use of a control structure to automate communications. ...The essence of Intermind's top claim is that two devices sender and receiver have persistent storage, communicate over a network, and exchange a control structure including metadata which describes: 1) what information is to be updated, 2) when to update this information, and 3) how to transfer the updated information. In addition, at least the receiving device must be able to process the metadata in order to perform the update determination and transfer. Any digital communications system which incorporates all of these elements will be covered by Intermind's patents." See Intermind.com.

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