

# **CA Spectrum® Infrastructure Manager and CA Embedded Entitlements Manager**

## **Integration Guide**

**r9.2.1**



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## CA Technologies Product References

This document references the following CA Technologies products:

- CA Spectrum® Infrastructure Manager (CA Spectrum)
- CA Embedded Entitlements Manager (CA EEM)

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# Chapter 1: CA Spectrum Integration with CA EEM

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This section contains the following topics:

[About the CA Spectrum Integration with CA EEM](#) (see page 7)

[Intended Audience](#) (see page 7)

[How to Configure CA Spectrum/CA EEM Integration](#) (see page 8)

[Register CA Spectrum Users with CA EEM](#) (see page 8)

[Configure OneClick to Connect to the CA EEM Server](#) (see page 9)

## About the CA Spectrum Integration with CA EEM

Single sign-on lets you, as a CA Spectrum user, integrate with your customers' LDAP (Lightweight Directory Access Protocol) and Active Directory user management systems. Single sign-on uses the CA Embedded Entitlements Manager (CA EEM) solution and it is not a part of the CA Spectrum installation. Instead, you must activate it after you install CA Spectrum by modifying configuration settings from the Administration pages on the OneClick server.

## Intended Audience

This guide is intended for administrators who want to set up authorization access for CA Spectrum with CA EEM. The CA Spectrum integration with CA EEM addresses the need for fine-grained access control to CA Spectrum enterprise applications and other applications integrated with CA Spectrum.

Before using this guide to integrate CA Spectrum with CA EEM, you should have knowledge about CA Spectrum user management and you should be familiar with the OneClick Administration pages. No special knowledge of CA EEM is required to specify integration parameters from the CA Spectrum environment. However, some knowledge of how to configure integration parameters in the CA EEM environment is required.

## How to Configure CA Spectrum/CA EEM Integration

Follow this process to configure the integration of CA Spectrum and CA EEM:

1. Install CA EEM.  
**Note:** For more information, see the *CA EEM* documentation. We recommend that you install CA EEM on a separate machine.
2. [Register CA Spectrum users with CA EEM](#) (see page 8).
3. [Configure the CA EEM server for single sign-on in OneClick](#) (see page 9):
  - a. Configure CA EEM server connection parameters.
  - b. Test connectivity to the CA EEM server.
  - c. Save connection parameters settings.

## Register CA Spectrum Users with CA EEM

After installing CA EEM, you must register CA Spectrum users in CA EEM before you can configure single sign-on for them.

### To register a CA Spectrum user in CA EEM

1. Open a browser to the CA EEM Homepage.
2. Log in as the CA EEM administrator.  
**Note:** The default CA EEM administrator user is **EiamAdmin**.
3. Click the Manage Identities tab.
4. Click the New User icon in the Users panel and add the CA Spectrum user to the CA EEM system by completing the fields.

**Note:** You can point CA EEM to an LDAP or Active Directory server from the Configure tab. For more information, see the *CA EEM Integration Guide*.

## Configure OneClick to Connect to the CA EEM Server

Before configuring OneClick to connect to the CA EEM server, you must make policy configurations that allow the host to connect properly to the CA EEM Server.

**Note:** For more information about configuring policies in CA EEM, see the *CA EEM* documentation.

### To configure OneClick to connect to the CA EEM server

1. Log in to the OneClick web server and click Administration in the menu bar in the OneClick home page.

The system verifies your administrator credentials.

2. Click Single Sign-On Configuration in the Administration Pages panel on the left.

The Single Sign-On Configuration page opens.

3. Select CA EEM in the 'Choose SSO Option' section.

The CA EEM Single Sign-On Configuration section opens.

4. Specify the parameters for connecting with the CA EEM server in the CA EEM Server Connectivity section. Some of these parameters are described here:

#### CA EEM Server Hostname

Specify the host name of the CA EEM server you want to connect to.

#### OneClick Server Domain Name

Specify the domain in which the OneClick server resides (for example, ca.com).

#### Spectrum Application Name in CA EEM

Type **spectrum** in this field. This specifies the name of the CA Spectrum application in CA EEM, which enables rules to be set up in CA EEM.

#### Proxy URL

Specify the URL to be used for proxy connectivity.

5. Select Yes in the Authentication Logging section to enable logging to either the Tomcat log or to a specified log location for debugging connectivity issues.
6. (Optional) Test the configuration as follows:
  - a. Complete the Test Username field and the Test Password field with appropriate credentials for testing the connection to the CA EEM server.
  - b. Click Test.

The OneClick Console notifies you when proper authentication occurs.

7. Click Save.

CA Spectrum verifies whether the CA EEM single sign-on conflicts with any other SiteMinder single sign-on option. If there is a conflict, an error message appears. If there is no conflict, a dialog opens asking you to restart the web server.

8. Click OK.
9. The system saves the information to an eem-ssso.conf config file in the Tomcat directory. You can find the config file at the following location:  
<SPECROOT>/custom/ssso/eem-ssso.conf
10. Restart Tomcat to put these changes into effect.

# Chapter 2: Troubleshooting CA Spectrum Integrations with CA EEM

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This chapter describes how to respond to potential authentication problems with the CA Spectrum CA EEM integration.

## Cannot Log In to CA Spectrum

**Symptom:**

User unable to authenticate to CA Spectrum.

**Solution:**

Verify that the user name and password have been entered correctly in CA Spectrum.

## Configuration Test Fails

**Symptom:**

Unable to authenticate with CA EEM though the CA Spectrum configuration test.

**Solution:**

Verify that the proper user name, password, server name, and port have been entered.



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