



## Choosing What to Install

This chapter provides information about the installation choices available for Community Manager core features and add-ons, from version 7.1.3 forward.

Make sure you've already reviewed *Planning Your Implementation*, and have defined a strategy for your implementation. Then review this chapter to determine which installation options you'll choose.

This chapter includes:

- [Installation Options: Overview](#)
- [Restructuring of Installation Options](#)
- [Installation Options: Details](#)

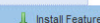
## Installation Options: Overview

Before you install any of the Community Manager components, the available choices on the Features list will look something like the below:

Filter: Feature	Name	Version	Description
<input type="checkbox"/>	SOA Software Agent Foundation	7.1.0	This feature is the core policy enforcement point, or agent, framework. The feature has no dependencies on a particular web service container.
<input type="checkbox"/>	SOA Software Community Manager	7.1.3	This feature includes the complete Community Manager developers portal including the APIs that can be used by applications wanting to integrate with Community Manager. This feature should be configured with the same database that Policy Manager services feature is configured with though Policy Manager services feature and Community Manager need not be deployed in the same container.
<input type="checkbox"/>	SOA Software Community Manager APIs	7.1.3	This feature deploys Community Manager APIs in the container
<input type="checkbox"/>	SOA Software Community Manager Default Theme	7.1.3	This feature provides the Default Tenant for Community Manager and can only be deployed in the same container as the SOA Software Atmosphere Community Manager feature.
<input type="checkbox"/>	SOA Software Community Manager OAuth Provider	7.1.3	This feature is an SOA Software Community Manager add-on for the OAuth Provider that installs on top of the SOA Software Community Manager feature.
<input type="checkbox"/>	SOA Software Community Manager OAuth Provider Agent	7.1.3	SOA Software Community Manager OAuth Provider Agent. This feature is used when OAuth Provider is needed in a container without database access.
<input type="checkbox"/>	SOA Software Community Manager OpenID Provider	7.1.3	This feature is an SOA Software Community Manager add-on for the OpenID Provider that installs on top of the SOA Software Community Manager feature.
<input type="checkbox"/>	SOA Software Community Manager Scheduled Jobs	7.1.3	This feature enables Community Manager scheduled jobs on the container

If you go to the filter at the top left and choose Plug-Ins you will see the following plug-ins relevant to Community Manager (CM-related features checked to indicate which are applicable):

Filter: Plug-in			
<input type="checkbox"/> Name	Version	Description	
<input checked="" type="checkbox"/> SOA Software API Security Policy Handler	7.1.3	This feature includes Network Director extensions supporting Community Manager security policies for application and end user authentication. This feature needs to be installed in containers that have the SOA Software Network Director feature already installed or can be installed along with the SOA Software Network Director feature.	
<input type="checkbox"/> SOA Software Cluster Support	7.1.0	This feature adds the ability for a Container to be managed as part of a Cluster in Policy Manager. It also provides the means to configure state replication between Cluster Nodes. Any Cluster Node may be configured to act as a master, from which any number of slaves can fetch bundle and configuration information in order to synchronize the state of all Cluster Members.	
<input checked="" type="checkbox"/> SOA Software Community Manager Plug-In	7.1.3	This feature adds Community Manager additions to other features where Community Manager extensions are needed. For example, this plug-in adds XACML add-on to PM Services and OAuth application support to OAuth provider.	
<input checked="" type="checkbox"/> SOA Software Community Manager Policy Console	7.1.3	This feature includes Policy Manager Console extensions supporting Community Manager security policies for application and end user authentication. This feature needs to be installed in containers that have the SOA Software Policy Manager Console feature already installed or along with the SOA Software Policy Manager Console feature.	
<input type="checkbox"/> SOA Software External Keystore Feature	7.1.0	This feature enables a Container to use an external keystore for managing all the PKI keys and certificates it needs. Without installing this feature the default Policy Manager keystore will be used.	
<input type="checkbox"/> SOA Software Kerberos Impersonation	7.1.0	This plug-in enables kerberos constrained delegation, or impersonation. Requires Java 1.8.	
<input checked="" type="checkbox"/> SOA Software Lifecycle as a Service (Laas) Add-On for Community Manager	7.1.3	This feature allows you to configure a custom workflow for certain objects in Community Manager, with custom forms to collect properties, and to exchange information between Community Manager and Lifecycle Manager.	
<input checked="" type="checkbox"/> SOA Software PingFederate Integration Add-On Feature	7.1.3	This feature includes the PingFederate OAuth security module.	



## Restructuring of Installation Options

The grouping of the Community Manager features has been restructured in Version 7.1.3 to add flexibility. This restructuring provides the following advantages:

- 1 The Community Manager feature does not depend on the Policy Manager Services feature. In the Policy Manager console, you can install Policy Manager Services and Community Manager into separate containers. This gives more flexibility for deployment architecture.
- 2 You can deploy Community Manager Scheduled Jobs in a dedicated container, allowing you to separate resources used for scheduled jobs from resources used by containers servicing Community Manager APIs.

**Note:** For version 7.1.3, it's important that the Community Manager Scheduled Jobs feature and Policy Manager Scheduled Jobs feature are installed in the same container. Installing either feature causes the container to automatically attempt to run all schedule jobs (from both Policy Manager and Community Manager), so they must be in the same container.

- 3 Defining certain Community Manager features as plug-ins supports the ability to add Community Manager components to other features such as Policy Manager. In the past, every container with Policy Manager services needed to have the Community Manager feature installed, or the Network Director would fail on processing API requests. This restriction has now been removed. A container running the Policy Manager Services feature can have the lightweight Community Manager Plug-in (Add-On) feature installed, rather than the full Community Manager APIs/Scheduled Jobs features.

## Installation Options: Details

The tables below list the installation options relating to Community Manager, with a brief explanation of each.

### Community Manager main installation options

Community Manager Feature Option	Details
SOA Software Community Manager	This is the equivalent of the single Community Manager option available prior to the CM 7.1.3 release. This feature is provided for backwards compatibility, but is not recommended. Installing this feature installs the Community Manager APIs and Community Manager Scheduled Jobs features. We recommend that you use the separate features, Community

	Manager APIs and Community Manager Scheduled Jobs, listed below.
SOA Software Community Manager APIs	This feature includes all the REST APIs offered by the Community Manager platform, only. These APIs that are the backbone for the Community Manager back end the developer UI portal.  This feature does not require any other feature to be installed in the same container.
SOA Software Community Manager Default Theme	This feature included the developer user portal, and requires the Community Manager feature to be deployed in the same container.
SOA Software Community Manager OAuth Provider	An add-on that you would install if you want your installation to support OAuth.
SOA Software Community Manager OAuth Provider Agent	An add-on that you would install if you want your installation to support OAuth, but the OAuth provider feature (see above) will be running in a container that doesn't have database access.
SOA Software Community Manager OpenID Provider	Optional add-on to support the old Google OpenID Relying Party domain feature that uses the Google OpenID 2.0 protocol. Note that Google has now deprecated OpenID 2.0 in favor of OpenID Connect. Install this feature only if you are already using the old Google OpenID integration.
SOA Software Community Manager Scheduled Jobs	This feature includes the scheduled jobs to support Community Manager features. This feature must be installed in all the containers on which the SOA Software Scheduled Jobs feature is installed. All features related to Scheduled Jobs should be in the same container.  Scheduled jobs are packaged as a separate feature so this can run on a separate, probably non-critical container, maybe without clustering. This allows you to set up dedicated containers for scheduled jobs without using the resources from containers that are serving external/public UI requests.

## Community Manager Plug-In Options

Admin Console > Available Features tab > **Filters** drop-down (top left of window) > **Plug-In**.

Community Manager Plug-In Option	Details
SOA Software API Security Policy Handler	This used to be a feature, but has now been migrated to be a plug-in. If either the OAuth Security policy or the API Security Policy is being used, this plug-in should be installed on every container where the Network Director feature is installed.  To find this plug-in, go to the Admin Console, Available Features tab, and select the Plug-Ins option (top left).
SOA Software Community Manager Plug-In	This feature is a plug-in to Policy Manager deployment to support Community Manager add-ons in Policy Manager. This Plug-In feature needs to be installed on every container where one of the following features is installed: Policy Manager Services, Policy Manager Security Services, or Policy Manager Managed Services.  For example, wherever Policy Manager Security Services feature is installed, Community Manager Add-On is needed. Without this, the Network Director will reject API requests because API contracts will not be taken into effect by the XAML service that Network Director uses from Policy Manager. Also, some of the QoS alerts show up on the Community Manager Dashboard as board items/notifications. If the Community Manager Add-On is not installed on the container where the Policy Manager Management Services

	<p>feature is installed, QoS alerts won't show up on the Community Manager Dashboard.</p> <p>To find this plug-in feature, go to the Admin Console, Available Features tab, and select the Plug-Ins option (top left).</p>
SOA Software Community Manager Policy Console	<p>This used to be a feature, but has now been migrated to be a plug-in. This plug-in should be installed on every container where the Policy Manager Console feature is installed.</p> <p>To find this plug-in, go to the Admin Console, Available Features tab, and select the Plug-Ins option (top left).</p>
SOA Software Lifecycle as a Service (LaaS) Add-On for Community Manager	<p>This used to be a feature, but has now been migrated to be a plug-in. If Lifecycle Manager integration is required in the deployment, this plug-in must be installed in every container in which the Community Manager APIs feature is installed. If Lifecycle Manager is not In use, do not install this feature.</p>
SOA Software PingFederate Integration Add-On Feature	<p>This plug-in is added in the current release to support PingFederate integration. If PingFederate integration is needed, this plug-in must be installed on every container where either the Community Manager APIs feature or the Community Manager API Security Policy Handler feature is installed.</p>

