

Centrify for Mac Quick Start Guide

This Quick Start explains how to set up the Windows and Active Directory elements that you must have in place before installing Centrify Identity Service, Mac Edition (Centrify for Mac), and provides a brief summary of the steps for installing and getting started quickly with Centrify for Mac. For more information about any step, see the appropriate chapters in Centrify's *Administrator's Guide for Mac*.

Set up the Windows environment

Centrify for Mac enables you to connect Mac computers to a Windows Active Directory domain and manage them through Active Directory Users and Computers (ADUC) and Group Policy settings. To start, you need a domain-joined Windows computer with Microsoft.NET Framework 4.5.2 installed on which to run ADUC and Group Policy Management tools. You can use *one* of the following computers:

- A **Windows Server**, either Windows Server 2008 R2 or later. You must have administrator rights to this server, or if you don't, a Windows administrator must enable ADUC and Group Policy Management tools for your use and must install the Centrify administration tools for you.
- A **Windows 7 computer**. Be certain to download and install the [Remote Server Administration Tools for Windows 7 \(RSAT\)](#), which includes the Group Policy Management and ADUC tools that you will need to use with Centrify for Mac.

Configure Active Directory

You must coordinate with your Active Directory administrator to set up a few items in Active Directory that you will need for Centrify for Mac.

Your Active Directory administrator must do the following for you:

- Create an organizational unit for your Mac computers and give you full control of it.

Give this OU a name that makes sense to you, such as 'Mac' or 'Centrify'. Later, when you begin using Centrify for Mac and join your Mac computers to an Active Directory domain, Centrify for Mac creates a computer object for each joined computer in this OU — but the OU must already exist for it to do so.

- Create a Group Policy object (GPO) and link it to the OU that the administrator just created for Mac computers.

This GPO allows you to manage Mac computers through the set of group policies supplied by Centrify for Mac. The Active Directory administrator should delegate the following permissions to you for this GPO:

'Edit settings'
'delete'
'modify security'

- Provide you with two Active Directory DNS IP addresses for the domain controllers and the name of your domain.

You need to make sure that each of your Mac computers is configured with these DNS IP addresses — which should be automatic if the Active Directory environment is set up with a DHCP server.

You are now ready to download and install Centrify for Mac. Centrify for Mac does not require schema extensions or software on domain controllers.

Download and install the Centrify agent for Mac

On your Windows computer, log in to the [Centrify Customer Support Portal](#), then click [Download Center](#) and scroll down to "Centrify DirectManage Access for Mac". Centrify DirectManage Access for Mac allows you to manage Mac users in Active Directory, configure and apply Group Policy for Mac, run license usage reports, enter licenses for Mac computers, and more.

The full installer of Centrify Server Suite is also available if you want all components. This document focuses on the Mac installer, which includes the following.

- Active Directory Users and Computers (ADUC) extension
- Group Policy Management Editor (GPME) extension
- Centrify Licensing Report
- License Manager

To download and install Centrify DirectManage Access for Mac

- 1 Find Centrify DirectManage Access for Mac on the Customer Support Portal, then select either **Download ISO** or **Download ZIP**.
- 2 Extract the ISO or zip files to a folder on the Windows computer.
- 3 Install Microsoft .NET Framework 4.5.2 if it is not already installed. The necessary files are included in the Centrify DirectManage Access for Mac download.
- 4 Quit any running Windows programs before continuing with the installation.
- 5 Double-click `setup.exe` to start the Centrify DirectManage Access for Mac installation, then follow the prompts to complete the installation.
- 6 Once the installation is complete, select **Configure Licenses for DirectManage Access for Mac** if you want to proceed to **Enter license keys**, then click **Finish** to complete the wizard.

Enter license keys

Creating the license container and entering keys requires the following permissions.

| Trustee | Target object | Apply to | Permission |
|----------------|------------------|--|--------------|
| Delegated user | Parent container | This object and all descendant objects | Generic Read |

| Trustee | Target object | Apply to | Permission |
|--------------|------------------|-------------------------------|--|
| | | | Create Container object |
| OWNER RIGHTS | Parent container | Descendant Container objects | Generic Read Create classStore object Modify permissions |
| | | Descendant classStore objects | Generic Read Write description property Write displayName property |

Modifying an existing License container object requires the following permissions.

| Trustee | Target object | Apply To | Permission |
|----------------|--------------------|-----------------------------------|--|
| Delegated user | Licenses container | This object only | Generic Read Create classStore object Modify permissions |
| | | This object and all child objects | Generic Read Write description property |

| Trustee | Target object | Apply To | Permission |
|---------|---------------|----------|----------------------------|
| | | | Write displayName property |

Before joining Mac computers to the domain, use License Manager to enter your license keys. For details about licensing, including how to add license key keys after deployment, check license usage and compliance, and how license counts are determined, see the *License Management Administrator's Guide*.

- 1 Select **Start > Centrify Server Suite *release* > License Management** to open License Manager.
If there are no existing license containers, continue to **Step 2**. Otherwise, you can immediately add or remove licenses (**Step 4**).
- 2 Specify the domain and user credentials to be used in the wizard, then click **Next**.
A root domain administrator or enterprise administrator account is recommended.
- 3 Click **Next** to accept the default location for the license container, which is `domain_name/Program Data/Centrify/Licenses`.
- 4 Enter your license key(s), click the **Add** button, then click **Next**.
You can also remove licenses.
- 5 Review and confirm the options you selected, then click **Next**.
- 6 Click **Finish** to complete the wizard.

Configure the agent and join a domain

The next step is to configure the Centrify agent on a Mac computer and join that computer to the Windows domain. Before you do so, log in to the Mac computer and verify that the DNS settings are configured correctly:

- 1 Open **System Preferences > Network** and select the interface that is configured for your environment, for example, **Ethernet**.
- 2 Click the **Advanced** button.
- 3 Click the **DNS** tab and verify that the IP addresses in **DNS Servers** are those of the Active Directory domain controllers that the Windows administrator identified for you. Note that this should be automatic if the environment is set up with a DHCP server.

Deployment modes

Centrify for Mac supports two deployment modes:

- Zone mode, which leverages Centrify's unique zones technology for centrally managed access control and administrative separation of duties.
- Auto Zone mode, which enables integration into Active Directory more like a Windows computer in which any Active Directory users can log in without any Mac-specific account information associated with their Active Directory accounts. You can still manage restrictions on users with group policies.

Deploying to Auto Zone

The following instructions describe how to join the Mac computer to Auto Zone since it is the simplest and fastest way to evaluate Centrify for Mac. Be certain that you have root-like access on the Mac computer (through a local administrator account), so that you can join the Mac computer to the domain.

To install the agent and join the Mac to a domain

- 1 Open a browser on your Mac, log in to the **Centrify Customer Support Portal**, click **Download Center**, then find and download the version of the agent that is appropriate for your Mac version.

You can select a DMG or TGZ version; for example, `centrifydc-version-macversion.dmg`.

- 2 If necessary, unzip the archive file, then open the DMG file:
`centrifydc-version-macversion.dmg`.
- 3 Double-click **ADCheck** and enter your Active Directory domain name to specify the domain to analyze.
- 4 Click **Active Directory Check** to begin analysis of your network and Active Directory environment.

If all tests pass, go to the next step; otherwise review the tests that failed and fix any that you can. You can ignore warning messages.

- 5 Double-click the `CentrifyDC-version.pkg` to launch the installer; follow the prompts to complete the installation of the agent.
- 6 When the installation is completed, select **Launch Centrify Join Assistant** and click **Continue** to launch the Centrify Join Assistant.

Note: Make sure that the Apple Active Directory plug-in is disabled prior to joining Active Directory in the next step.

- 7 Under **Licensed Mode**, select **Auto** to specify that the computer join Active Directory through Auto Zone in which a Centrify zone is not required, thus allowing any Active Directory user to log in to the computer without any zones configured within Active Directory.

In **Computer Name**, the Join Assistant automatically fills in your computer name. You can enter a different name if you want to. You do not need to set any advanced options.

- 8 Click **Join** to join the domain.

Your Mac computer is now joined to an Active Directory domain and you can manage it through Active Directory tools, much as you would a Windows computer.

For example, you should now be able to log in to the Mac computer with an Active Directory account:

- 1 Log out of the administrator's account on the Mac computer.
- 2 If you have the login screen set to "List of Users," click **Other** to get the user name and password boxes.
- 3 Enter credentials for an Active Directory user account — for example, a test account — and log in.

Summary and next steps

At this point, you have Centrify for Mac running in a Windows domain and have connected one or more Mac computers to this domain.

From here, if you want to explore further, you can take these further actions, using information available on the Centrify website:

- Set group policies for Mac computers and users; see the [Quick Start Group Policy Demonstration](#) video.
- Create zones for centralized access control and separation of duties; see the [Zone vs Auto Zone](#) Webinar.
- Import existing local users and groups into Active Directory; see these two white papers:
 - [Understanding Account Migration on Centrify for Mac OS X](#)
 - [A bit more on knowing when Account Migration is needed, and when it is NOT needed](#)
- Set up Mac computers for smart card login to Active Directory. To read an introduction and watch a video about this, go to the [Smart Card for Mac Part 1 web page](#) and launch the video.

To go directly to the video, click this link: [Smart Card for Mac Part 1](#).

You can also go to [Eval Center for Mac OS X](#) to see additional videos, access customer forums, and search Knowledge Base articles.

Be sure to read the *Centrify Administrator's Guide for Mac* for detailed information about how to use Centrify for Mac.