



How To Join a Domain, Create a Likewise Cell, and Create a User

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Overview

This document describes how to use Likewise to join a Linux computer to an Active Directory domain. The document also explains how to create a Likewise cell and to create a Linux user in Active Directory.

The procedures in this document assume that you have installed Likewise. For instructions on how to install and configure Likewise, see the Likewise Installation Guide, available at www.LikewiseSoftware.com.

Join a Linux Computer to an Active Directory Domain

After you install the Likewise Agent, you can join a Linux or Unix computer to an Active Directory domain by using the Likewise Domain Join Tool. The Likewise Domain Join Tool provides a graphical user interface on Gnome-compatible Linux computers for joining a domain.

Important: To join a computer to a domain, you must have the user name and password of a user who can join computers to a domain and the full name of the domain that you want to join.

1. From the desktop with root privileges, double-click the Likewise Domain Join Tool, or at the shell prompt of a Linux computer, type the following command:

```
/usr/centeris/bin/domainjoin-gui
```

For a Unix computer, type this command:

```
/opt/centeris/bin/domainjoin-cli
```

2. On the Welcome panel, click **Next**.
3. On the Join Active Directory Domain panel, in the **Domain to join** box, enter the Fully Qualified Domain Name (FQDN) of the Active Directory domain.

Note: The domain join tool automatically sets the computer's FQDN by modifying the `/etc/hosts` file. For example, If your computer's name is `qaserver` and the domain is `corpqa.centeris.com`, the domain join tool adds the following entry to the `/etc/hosts` file:

```
qaserver.corpqa.centeris.com. To manually set the computer's FQDN, see Set the FQDN Manually.
```



4. Under **Organizational Unit**, you can join the computer to an OU in the domain by selecting **OU Path** and then typing a path in the **OU Path** box.

Or, to join the computer to the Computers container, select **Default to "Computers" container**.

5. Click **Next**.
6. Enter the user name and password of an Active Directory user with the right to join a machine to the Active Directory domain, and then click **OK**.

Note: If you do not use an Active Directory Domain Administrator account, you might not have sufficient privileges to change an existing machine object in Active Directory.

Join Active Directory with the Command Line

When you join a domain by using the command-line utility, Likewise uses the hostname of the computer to derive a fully qualified domain name (FQDN) and then automatically sets the computer's FQDN in the `/etc/hosts` file.

On Linux computers, the domain join command-line utility is in `/usr/centeris/bin`. On Unix and Mac OS X computers, it is in `/opt/centeris/bin`.

Important: To join a computer to a domain, you must have the user name and password of an account that has privileges to join computers to the domain and the full name of the domain that you want to join.

To join a Linux computer to Active Directory, execute the following command, replacing `domainName` with the FQDN of the domain that you want to join and `joinAccount` with the user name of an account that has privileges to join computers to the domain:

```
/usr/centeris/bin/domainjoin-cli join domainName  
joinAccount
```

Example: `/usr/centeris/bin/domainjoin-cli join centerisdemo.com Administrator`

Create a Cell

To create a Likewise cell, you must first create an organizational unit, or OU, in Active Directory.

1. On your Windows administrative workstation, start Active Directory Users and Computers.
2. In the console tree, right-click the name of the domain for which you want to create an OU, point to **New**, and then click **Organizational Unit**.
3. In the **Name** box, type a name for the OU, and then click **OK**.
4. In the console tree, right-click the OU that you just created, click **Properties**, and then click the **Likewise Settings** tab.

5. Under **Likewise Cell Information**, select the **Create Associated Likewise Cell** check box, and then click **OK**.

A cell is created, and you can now associate users with it.

Create a User and Associate the User with a Cell

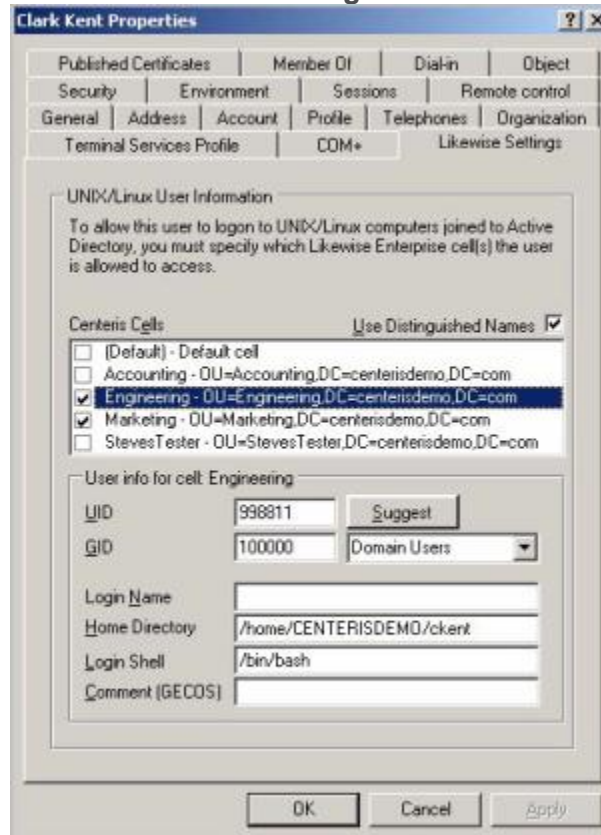
To create a Unix or Linux user account in Active Directory, you must have sufficient administrative privileges -- for example, as a member of the Enterprise Administrators group, the Domain Administrators group, or as a delegate.

1. On your Windows administrative workstation, start Active Directory Users and Computers.
2. In the console tree, right-click **Users**, point to **New**, and then click **User**.
3. Enter the name and logon name information for the user, and then click **Next**.

Tip: For more information, see [Create a New User Account in Active Directory Users and Computers Help](#).

4. In the **Password** box and the **Confirm password** box, type a password for the user, select the password options that you want, and then click **Next**.
5. Click **Finish**.
6. In the console tree, right-click the user that you just created, and then click **Properties**.

- Click the **Likewise Settings** tab.



- Under **Likewise Cells**, select the check box for the [cell](#) that you want to associate the user with.

Under **User info for cell**, a default value, typically 100000, is automatically populated in the **GID** box.

- To set the UID, click **Suggest**, or type a value in the **UID** box.
- To override the default home directory and login shell settings, in the **Home Directory** box, type the directory that you want to set for the user, and then in **Login Shell** box, type the login shell.
- Optionally, you can set a login name for the user in the **Login Name** box and add a comment in the **Comment** box.

You use the **Login Name** box to set a login name for the user that is different from the user's Active Directory login name. If you leave the **Login Name** box empty, the user logs on Linux and Unix computers by using his or her Active Directory login name.

For More Information

For information about how to administer Likewise 4.0, including both the Likewise Management Console and the Likewise Agent, see the Likewise Administrator's Guide, available at <http://www.likewise.com>. The administrator's guide covers deploying and troubleshooting the agent, joining computers to Active Directory, managing Linux and Unix users in Active Directory Users and Computers, and applying group policies.

Contact Technical Support

Please visit the Likewise support Web page at <http://www.likewise.com/support/>. You can use the support page to register for support, submit incidents, and receive direct technical assistance.

Technical support may ask for your Likewise version, Linux version, and Microsoft Windows version. To find the Likewise product version, in the Likewise Console, on the menu bar, click **Help**, and then click **About**.

ABOUT LIKewise

Likewise® Software solutions improve management and interoperability of Windows, Linux, and UNIX systems with easy to use software for Linux administration and cross-platform identity management.

Likewise provides familiar Windows-based tools for system administrators to seamlessly integrate Linux and UNIX systems with Microsoft Active Directory. This enables companies running mixed networks to utilize existing Windows skills and resources, maximize the value of their Active Directory investment, strengthen the security of their network and lower the total cost of ownership of Linux servers.

Likewise Software is a Bellevue, WA-based software company funded by leading venture capital firms Ignition Partners, Intel Capital, and Trinity Ventures. Likewise has experienced management and engineering teams in place and is led by senior executives from leading technology companies such as Microsoft, F5 Networks, EMC and Mercury.