



UPGRADE LIKewise 3.0 OR 3.5 TO THE LIKewise 4.0 FORMAT

- Update your Likewise cell information in Active Directory to the format used by Likewise 4.0.
- Run Likewise 3.5 and Likewise 4.0 at the same time.
- Ensure that the Likewise 4.0 Agent can properly communicate with Active Directory.

Running the Likewise 4.0 Active Directory Update Tool

Overview

Likewise 4.0 stores cell information in Active Directory differently than Likewise 3.5 and Likewise 3.1.

Likewise 3.5 and 3.1, when installed in non-schema mode, created `container` objects under the Program Data node in Active Directory and stored the information in the `description` attribute. In schema mode, Likewise 3.5 and 3.1 took advantage of the Unix- and Linux-specific RFC 2307 object classes and attributes, namely the `posixAccount` and `posixGroup` object classes.

Likewise 4.0, when installed in non-schema mode, uses the `description` and the `keywords` attributes of `container` and `serviceConnectionPoint` objects to store Unix and Linux information for users, groups, and cells. In schema mode, Likewise 4.0 uses the Unix- and Linux-specific attributes that are built into the RFC 2307 schema as well as the `container` object and the `keywords` attribute.

The result of these changes is that, when you upgrade to Likewise 4.0, you must run the Likewise Active Directory Upgrade Tool to update your previous Likewise cell information to the format used by Likewise 4.0.

Note: If you do not update the cell information to the 4.0 format, Linux and Unix computers that are running the Likewise 4.0 Agent will be unable to exchange credentials data with Active Directory.

Running Likewise 3.5 and Likewise 4.0 at the Same Time

As you upgrade from 3.5 to 4.0, you can run both Likewise 3.5 and Likewise 4.0 in parallel. However, if you run both versions at the same time, you must also use two different Windows administrative workstations to view or modify the data in Active Directory.

One Windows administrative workstation must have Likewise 3.5 installed, and it is this computer that you must use to view or modify the 3.5 data in Active Directory. With this workstation, you will be unable to view or modify 4.0 data.

A second Windows administrative workstation must have Likewise 4.0 installed, and it is this computer that you must use to view or modify the 4.0 data in Active Directory. With this workstation, you will be unable to view or modify 3.5 data.

The Likewise 4.0 Update Tool, however, can be used to view both 3.5 and 4.0 data.

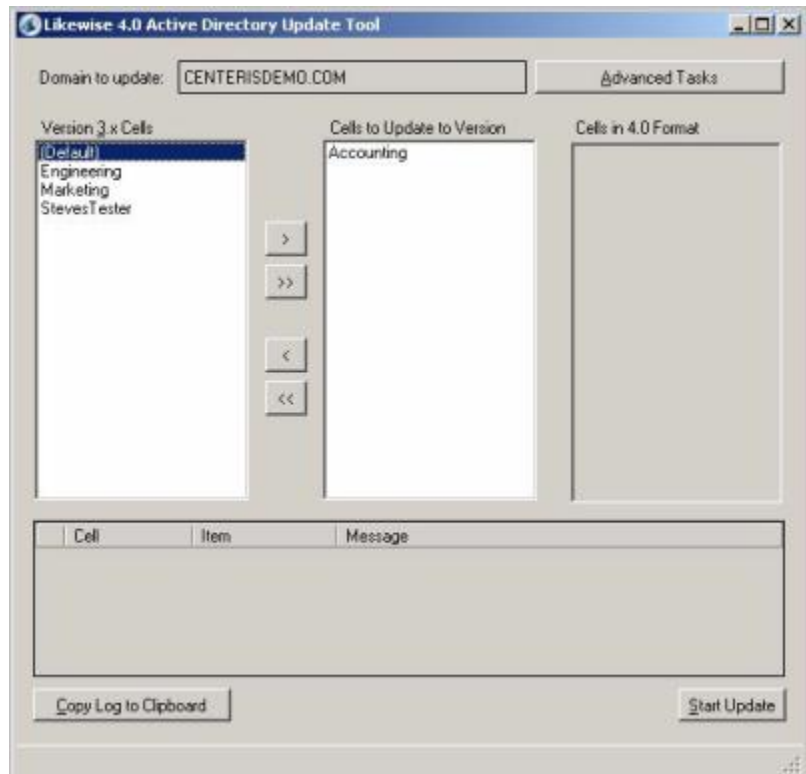
Run the Likewise 4.0 Active Directory Update Tool

To update your Active Directory cell information to Likewise 4.0, you must be a member of the Domain Administrators security group. To delete the Likewise 3.5 information, you must be a member of the Enterprise Administrators security group.

1. Install Likewise 4.0 -- including the Likewise Migration Tools -- on the Windows administrative workstation that you use to connect to your Active Directory domain controller. For more information, see the Likewise Installation Guide, available at <http://www.likewise.com>.
2. On the workstation where the Likewise Console is installed, click **Start**, click **Run**, type the following in the **Open** box, and then click **OK**:

```
C:\Program Files\Centeris\LikewiseIdentity\L4Update.exe
```

3. Click **Start**. The update tool opens and detects the cells that are in the previous Likewise format:



4. Click **Advanced Tasks**, make your selections according to the scenarios in the following table, and then click **Close**:

Important: Do not delete the Likewise Identity 3.5 data from Active Directory until after you have updated all your cells and until after all your Linux and Unix computers are running the Likewise 4.0 Agent.

If	Then Do This
You are concerned that another system administrator or user might make changes to Likewise data during the upgrade	Select the Disallow modifications to Likewise Identity 3.5 cells check box.
You have some Linux and Unix computers that are running the Likewise 4.0 agent and some that are running the 3.5 or earlier agent	Do not prevent the use of the old data and do not delete it. If you do not delete and do not prevent your 3.1 or 3.5 data from being used, it will remain in the Active Directory database. Linux and Unix computers running the 3.1 or

	<p>3.5 agent will use the 3.1 or 3.5 data, while computers running the 4.0 agent will use the 4.0 data.</p>
<p>You have upgraded all your Linux and Unix computers to the Likewise 4.0 agent, but you want to create an archive of your Likewise Identity 3.1 or 3.5 data</p>	<p>Select the Keep Likewise Identity 3.5 data in AD, but rename it to prevent its use check box.</p> <p>If you select this option and still have 3.1 or 3.5 agents installed on your Linux or Unix computers, they will be unable to communicate with Active Directory after their cached credentials expire.</p> <p>Tip: If you keep your Likewise data but prevent its use, you can use this option to restore the 3.5 data by running the Update Tool at a later time and clearing the Keep Likewise Identity 3.5 data in AD, but rename it to prevent its use check box.</p>

5. Under **Version 3.x Cells**, click the cells that you want to update and then click the right arrow. Or, to select all the Version 3.x cells, click the double-arrow.
6. Click **Start Update**. Do not interrupt the application. The update can take a while.

Tip: After the cells are updated, click **Copy Log to Clipboard** and then paste the information on the clipboard into a text file so that you have a log of your results.

7. Close the update tool.

The update is complete and you can now rerun the Update Tool and delete your old Likewise 3.1 and 3.5 data if you need to.

For More Information

For information about how to install Likewise 4.0, see the Likewise Installation Guide. For information about how to administer Likewise 4.0, including both the Likewise Console and the Likewise Agent, see the Likewise Administrator's Guide. Both documents are available at <http://www.likewise.com>. The administrator's guide covers deploying and troubleshooting the agent, managing Linux and Unix users in Active Directory, 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.

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.