Installing or uninstalling the 7-Mode Transition Tool on a Windows system

ONTAP 7-Mode Transition

NetApp
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Installing or uninstalling the 7-Mode Transition Tool on a Windows system

You can download and install the 7-Mode Transition Tool on a Windows system by using the standard wizard-based installer. However, if you have a previously installed version of the 7-Mode Transition Tool, you need to be aware of certain prerequisites before doing so.

- If you have a 7-Mode Transition Tool version earlier than 3.0 installed in your system, then you need to uninstall that before installing the latest version.

  You must create a backup of the log files if you choose to retain the log files during uninstallation. The 7-Mode Transition Tool installer installs the tool to the same folder and overwrites the log files the next time you run it.

- If you have 7-Mode Transition Tool 3.0 or later installed in your system, then the following conditions must be met before installing the latest version of the 7-Mode Transition Tool:
  - All existing copy-based transition projects must either be completed or aborted.
  - All existing copy-free transition projects must either be completed or rollback complete.

System requirements for installing the 7-Mode Transition Tool on Windows systems

You must ensure that the Windows host meets the required configuration to install and run the 7-Mode Transition Tool.

Be sure to consult the current 7-Mode Transition Tool Release Notes for the latest information about supported hosts and known issues.

Hardware requirements

- Dual-core x64 processor, 1.0 GHz or more
- 8 GB RAM
- 40 GB free disk space

Software requirements

- Your 64-bit Windows system must be running one of the following operating system versions:
  - Windows 7 Enterprise
  - Windows 7 Enterprise SP1
  - Windows Server 2008 Standard
  - Windows Server 2008 R2 Standard
  - Windows Server 2008 R2 Enterprise with SP1
  - Windows Server 2012 Standard
  - Windows Server 2012 R2 Standard

- Windows 8.1 Enterprise
- Windows Server 2012 R2 Datacenter edition
- For 7-Mode Transition Tool version 3.3.2P1, you can also use one of the following operating system versions:
  - Windows 10 Enterprise
  - Windows Server 2016 Standard
  - Windows Server 2016 Datacenter
  - Windows Server 2019 Standard
  - Windows Server 2019 Datacenter
- For 7-Mode Transition Tool version 3.3.3, you can also use one of the following operating system versions:
  - Windows 10 Professional

> You can use a Windows virtual machine that meets the required software requirements and hardware requirements to install the 7-Mode Transition Tool.

- 64-bit Oracle Java Runtime Environment (JRE) 1.8 update 331

> If the Windows host does not have JRE or has 32-bit JRE installed, the 7-Mode Transition Tool installer automatically installs 64-bit JRE 1.8 update 331. If an earlier version of 64-bit JRE is installed, the installer automatically updates JRE to JRE 1.8 update 331.

When JRE is updated automatically, the other applications that require earlier versions of JRE might be affected.

> With JRE versions 1.8 update 46 or later (including JRE 1.8 update 331), for the 7-Mode Transition Tool to communicate with Data ONTAP operating in 7-Mode systems and ONTAP systems, the SSL key length on the Data ONTAP operating in 7-Mode systems and ONTAP systems must be at least 1024.

7MTT: How to resolve TLS or SSL communication issue

Server configuration requirements

To access the web interface, the Windows system on which the tool is installed must be configured as follows:

- Port 8443 of the 7-Mode Transition Tool server must be available.

  If port 8443 is not available, or if you want to use a different port, you must change the port specified by the `tool.https.port` parameter in the `$INSTALL_DIR\etc\conf\transition-tool.conf` file.

  The best practice is to use HTTPS for accessing the web interface. However, if you want to use HTTP for accessing the web interface, port 8088 must be available. For an alternative to port 8088, you must change the port specified by the `tool.http.port` parameter in the `transition-tool.conf` file.

> You must restart the 7-Mode Transition Tool service after changing the port in the configuration file.

- The firewall should be either turned off or configured to allow traffic on the port that is used to access the tool.

To transition netgroups and CIFS local users and groups, the following requirements must be met:

- Port 8088 of the 7-Mode Transition Tool must be available.

  For an alternative to port 8088, you must change the port specified by the `tool.http.port` parameter in the `transition-tool.conf` file, and then restart the 7-Mode Transition Tool service.

- Each node in the cluster must have at least one data LIF configured for the target SVM.
- All of the SVM data LIFs must be able to communicate with the 7-Mode Transition Tool port 8088 or the port specified by the `tool.http.port` parameter in the `transition-tool.conf` file.

  You must ensure that firewalls do not block this traffic.

Client (web interface) requirements

The system that accesses the web interface must have the following:

- One of the following web browsers:
  - Microsoft Internet Explorer 9, 10, or 11
  - Google Chrome 27 or later
  - Mozilla Firefox 20 or later All of the browsers must be TLS-enabled.

  If you are using Microsoft Internet Explorer as your web browser, you must disable SSLv2.

- A screen resolution of 1280 × 1024 or higher

Every time you install a new version of the tool, you must clear the browser cache by pressing Ctrl+F5 on the system.

Related information

NetApp Interoperability

Installing the 7-Mode Transition Tool on a Windows system

You can install the 7-Mode Transition Tool on a Windows system by using the wizard-based installer.

- You must have reviewed the system requirements for the 7-Mode Transition Tool.

  System requirements for the 7-Mode Transition Tool on Windows

- You must have the necessary administrator privileges to install and launch the application.
- You must have cleared the browser cache by pressing Ctrl+F5.

  You must clear the cache every time you install a new version of the tool.

Steps

1. Download the software from the NetApp Support Site.

   NetApp Downloads: Software

2. Run the `NetApp_7ModeTransitionTool_Setup.exe` file.
3. In the 7-Mode Transition Tool Setup welcome screen, click **Next**.
4. Follow the on-screen prompts to continue with the installation.
5. Select **Launch the tool** to open the 7-Mode Transition Tool immediately after the installation.
6. Click **Finish** to complete the installation.

Enabling login for users not part of the Administrator group

By default, users must be members of the Administrator group on the Windows system on which the 7-Mode Transition Tool is installed. At any time, you can enable login for users who are not members of the Administrators group and who cannot install the tool but are authenticated to use the Windows system on which the tool is installed.

Steps

1. Log in to the Windows host using admin privileges.
2. Modify the configuration file of the tool to enable users who are not part of the Administrator group to log in to the tool:
   a. Open the `\etc\conf\transition-tool.conf` file from the installation directory.
   b. Set the value of the `tool.login.non.admin.enabled` parameter in the `transition-tool.conf` file to true.
   c. Save the file.
3. Restart the transition service.
   a. Click **Start** > **Control Panel** > **System and Services** > **Administrative Tools** > **Services**.
   b. Right-click the **NetApp 7-Mode Transition Tool** service and click **Stop**.
   c. Right-click the **NetApp 7-Mode Transition Tool** service again and click **Start**.

Related information

Modifying the configuration options of the 7-Mode Transition Tool

Logging in to the 7-Mode Transition Tool

You can log in to the 7-Mode Transition Tool (web interface) by using your credentials of the Windows system on which the tool is installed. The procedure to log in varies depending on the type of user credentials you have.

Guest users are not allowed to log in to the tool.

Steps

1. Navigate to the login page:

If you are a…	Then…
User who is a member of the Administrator group and if you are accessing the tool (web interface) from the server on which it was installed	Double-click the 7-Mode Transition Tool icon on your desktop.
User who is a member of the Administrator group and if you have not installed the tool	Use a supported browser to navigate to one of the following URLs: • `https://IP_address:port/transition` • `http://IP_address:port/transition` *IP_address* is the IP address of the server and *port* can be 8443 (default), the value specified for *tool.https.port*, or 8088, the value specified for the *tool.http.port* parameter in the *transition-tool.conf* file.
User who is a member of the Administrator group and if you are accessing the tool (web interface) from another computer	Use a supported browser to navigate to one of the following URLs: • `https://IP_address:port/transition` • `http://IP_address:port/transition` *IP_address* is the IP address of the server and port can be 8443 (default), the value specified for *tool.https.port*, or 8088, the value specified for the *tool.http.port* parameter in the *transition-tool.conf* file.
User who is not a member of the Administrator group and if you are accessing the tool (web interface) either from the server on which it was installed or from another computer	Use a supported browser to navigate to one of the following URLs: • `https://IP_address:port/transition` • `http://IP_address:port/transition` *IP_address* is the IP address of the server and port can be 8443 (default), the value specified for the *tool.https.port*, or 8088, the value specified for the *tool.http.port* parameter in the *transition-tool.conf* file.

2. If the browser displays a message about the self-signed SSL certificate, then accept the self-signed certificate to continue.
3. Log in to the web interface by using the credentials of the Windows system in which the tool is installed.

Uninstalling the 7-Mode Transition Tool on a Windows system

You can uninstall the 7-Mode Transition Tool by using the Windows Uninstall program utility.

- You must have completed all in-progress transitions.

  Installing a newer version or reinstalling the same version of the tool does not allow you to access the transition operations started by the uninstalled instance.

- If the 7-Mode Transition Tool is running, it must be closed.

Java Runtime Environment (JRE) is not removed as part of the uninstallation.

Steps

1. Click **Start** > **Control Panel** > **Uninstall a program**.
2. Select the 7-Mode Transition Tool from the list of programs and click **Uninstall**.
3. Complete the steps in the wizard to uninstall the 7-Mode Transition Tool.

   You can choose to save the project details and logs for troubleshooting purposes.

You must create a backup of the log files if you choose to retain the log files during uninstallation. The 7-Mode Transition Tool installer installs the tool to the same folder and overwrites the log files the next time you run it.

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