

XClarity Essentials UpdateXpress

Introduction to UpdateXpress, how-to instructions

Lenovo

What is XClarity Essentials UpdateXpress?

Lenovo XClarity Essentials UpdateXpress (UpdateXpress) is a GUI utility that deploys UpdateXpress System Packs (UXSP) or required individual updates to a system. The utility downloads update files directly from [Lenovo Support](#) and can locally or remotely apply the updates on a system.

UpdateXpress supports all the software features of ToolsCenter UpdateXpress System Pack Installer (UXSPI) as well as the newly added Platform Level Data Model (PLDM)-based out-of-band firmware updates.

UpdateXpress performs the following major tasks:

- Acquires UpdateXpress System Packs (UXSP) or the latest individual updates
- Applies driver updates
- Applies firmware updates

Note:

- Driver updates can only be applied on local machines and not to remote systems.
- UpdateXpress uses standard HTTP (port 80) and HTTPS (port 443) to get updates from Lenovo Support. Make sure the firewall does not block these ports.

Downloading UpdateXpress

UpdateXpress can be run on Windows, SUSE, and Red Hat operating systems. The utility can be executed as a standalone application without installation.

UpdateXpress can be downloaded from the Lenovo website:

<https://datacentersupport.lenovo.com/us/en/solutions/LNVO-XPRESS>

XClarity Essentials UpdateXpress Version 3.4.0	
Invgy_utl_lxce_ux01h-3.4.0_windows_i386	- Supported Operating Systems - Microsoft Windows 7(only support "update remote machine" and "create a repository of updates") - Microsoft Windows 8(only support "update remote machine" and "create a repository of updates") - Microsoft Windows 10(only support "update remote machine" and "create a repository of updates") - Microsoft Windows Server 2008 R2 - Microsoft Windows Server 2012 R2 - Microsoft Windows Server 2012 - Microsoft Windows Server 2016 - Microsoft Windows Server 2019 - Microsoft Windows Server 2022
Invgy_utl_lxce_ux01h-3.4.0_sles_x86-64	- Supported Operating System - SUSE Linux Enterprise Server 12 Editions - SUSE Linux Enterprise Server 15 Editions
Invgy_utl_lxce_ux01h-3.4.0_rhel_x86-64	- Supported Operating System - Red Hat Enterprise Linux 7 Editions - Red Hat Enterprise Linux 8 Editions

How to use UpdateXpress to perform updates

Work through the following procedure to perform a firmware or driver update using UpdateXpress.

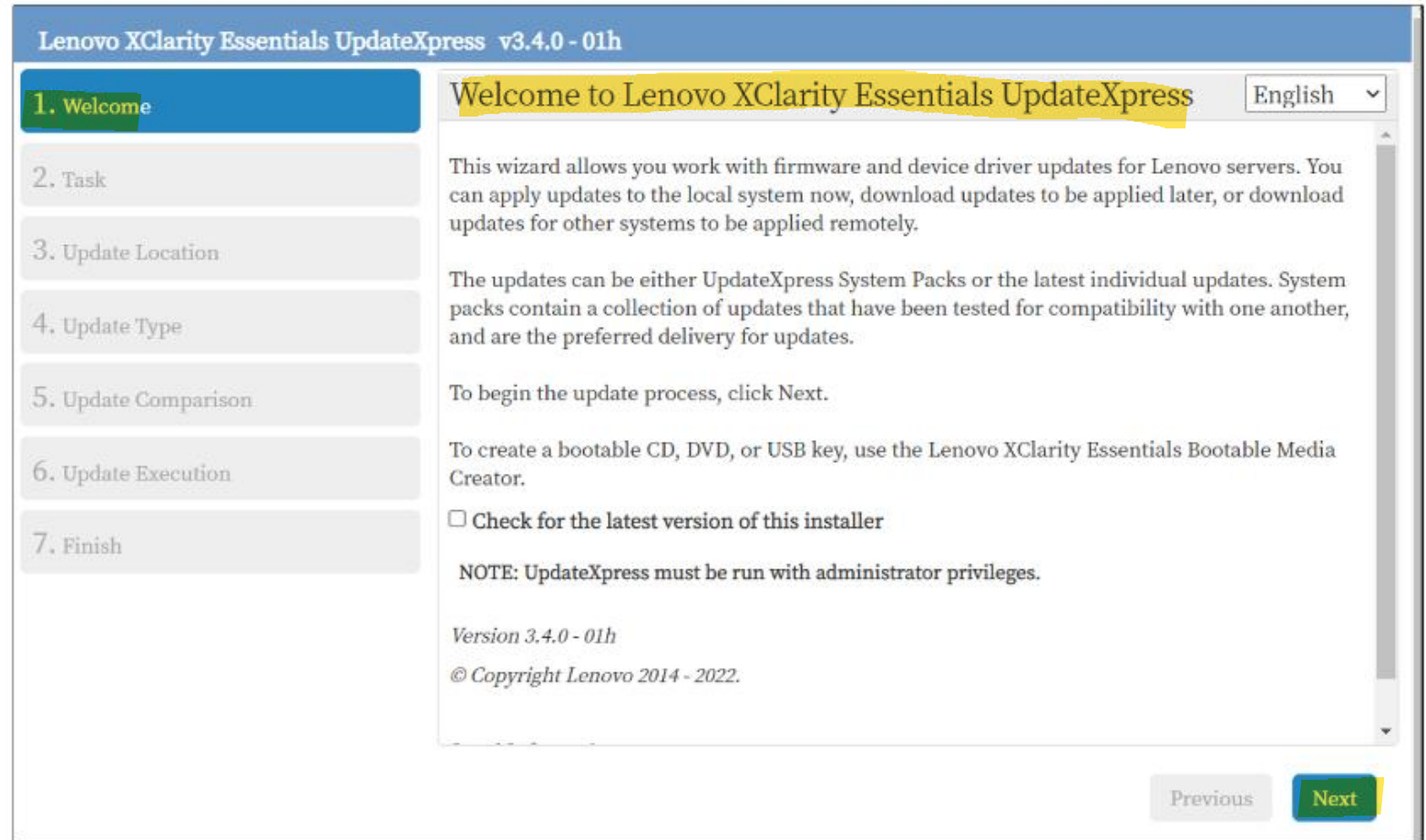
Click each number in turn to see the procedure.

Step

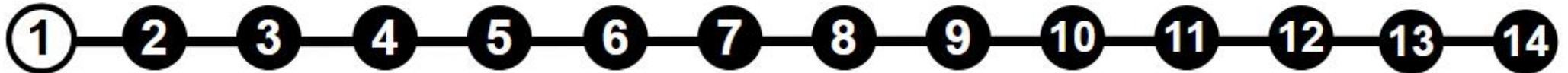


How to use UpdateXpress to perform updates

After running the **UpdateXpress utility**, a Welcome page will be displayed. Click **Next** to continue.



Step



How to use UpdateXpress to perform updates

On the **Task** page, select one of the **update tasks**, and then click **Next** to continue.

Lenovo XClarity Essentials UpdateXpress v3.5.0 - 01m

1. Welcome

2. Task

3. Setting

4. Update Location

5. Update Type

6. Update Comparison

7. Update Execution

8. Finish

Task

What update task are you interested in?

☒ Update the local server

Update the server currently running this application. The server type will be detected and the updates will be acquired and automatically applied.

☐ Update the remote server

To update the remote server using the BMC service, you may need a remote server to transfer the updates to the target remote server.

☐ Create a repository of updates

Choose one or more server types to acquire updates from the Lenovo support web site. Updates will be downloaded to the directory you specified, but no updates will be applied. You can apply those updates later.

☐ Remote RAID configuration

Configure RAID controller using the BMC service.

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How to use UpdateXpress to perform updates

If the Update the remote server task was selected, the **Setting** section will be displayed. Enter the remote system's BMC IP address, username, and password.

If you check **Use a separate remote server instead of BMC one** option, enter the additional remote server IP address, username, password, and directory for the updates file transfer.

1. Welcome

2. Task

3. Setting

4. Update Location

5. Update Type

6. Update Comparison

7. Update Execution

8. Finish

Setting
Use these optional settings if necessary. Otherwise, move on to the next step.

IP address or Hostname *

User Name *

Password *

Port

☒ Use a separate remote server instead of the BMC one

SFTP

SFTP Setting
The SFTP server will be used as a file transfer station. The updates will be upload to the SFTP server from this local machine before they are downloaded.

IP address or Hostname *

User Name *

Password *

Port

Directory *

The default port 22 will be used if no input.

* Input a full path on the SFTP server. The updates file will be upload to that directory. Please make sure the directory is accessible. For example: /payload

☐ Accept BMC server's certificate and SFTP server's key fingerprint by default.

☐ Only update the backup image of the BMC(and UEFI where applicable)

☐ Enable updating to a back-level firmware

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How to use UpdateXpress to perform updates

The **Updates Location** screen allows the user to search for update files on Lenovo's Support website or to select a local update file that was downloaded earlier. This option ~~will not be available~~ if the user selected the **Create a repository** of updates task. After making a selection, click **Next** to continue.

Updates Location

You can ensure that you have the latest updates by checking the Lenovo support web site. You will be able to select which updates you want before they are downloaded. Once downloaded, updates will be stored in the local directory indicated below.

- ☒ **Check the Lenovo support web site**
Download the appropriate updates automatically from the Lenovo support site.
- ☐ **Look in a local directory**
Specify a directory on the local file system containing specific individual updates. The directory should have been populated before.

*All new updates for installed drivers and firmware will be installed. The updates for unknown devices or drivers that are not running will not be installed.

Step



How to use UpdateXpress to perform updates

The **Update Type** screen allows the user to **select** whether to update using **UXSP** files or **individual update files**. After selecting one of the options, click **Next** to continue.

1. Welcome

2. Task

3. Update Type

4. Network Access

5. Machine Types

6. Operating Systems

7. Target Directory

8. Acquire Updates

9. Finish

Update Type

Select the type of updates you wish to search for

☒ **UpdateXpress System Packs (UXSP's)**

UpdateXpress System Packs contain an integration-tested bundle of online, updateable firmware and device driver updates for each Lenovo support and BladeCenter server. This is the preferred method to obtain firmware and driver updates for the server.

☐ **Latest available individual updates**

Use the latest individual version of each firmware and device driver package. This is the preferred method when you wish to install the latest updates, or when Lenovo support instructs you to install the latest updates. This option may download newer updates and hotfixes, if available, than the UXSP option above.

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Step



How to use UpdateXpress to perform updates

If necessary, set up the proxy server or custom URL security configuration, and then click **Next** to continue.

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1. Welcome
2. Task
3. Update Type
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7. Target Directory
8. Acquire Updates
9. Finish

Network Access

Internet connection is required to download update packages from the Lenovo repository. If this system needs a proxy server to access the Internet, provide the proxy server information here. It is recommended to test the connection to validate that the proxy service is working.

☐ Proxy server

☐ Custom URL security configuration

Test Connection

Test the connection to validate that the proxy service is working.

Target URL:

Step



How to use UpdateXpress to perform updates

The **Machine Types** section will be displayed if the user selected the Create a repository of updates task.

The user can add and remove systems from the list or apply updates to multiple systems by checking multiple boxes.

After making a selection, click **Next** to continue.

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1. Welcome

2. Task

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8. Acquire Updates

9. Finish

Machine Types

Check for updates for machine types that you specify.

* UpdateXpress only supports Lenovo Server.

☐	Product Family	Machine Types
☐	System x3550 M5	5463
☐	System x3550 M5	8869
☐	Converged HX Series	8693
☐	Converged HX Series	8695
☐	System x3850 X6/x3950 X6	6241
☐	Flex System x240 M4 Compute Node	7162
☐	Flex System x240 M4 Compute Node	2588
☐	Flex System x240 M5 Compute Node	2591
☐	Flex System x240 M5 Compute Node	9532
☐	Flex System x440 Compute Node	7167
☐	Flex System x440 Compute Node	2590
☐	Flex System x280 X6/x480 X6/x880 X6 Compute Node	4258

Add Remove Update List Reset List

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Step



How to use UpdateXpress to perform updates

The **Operating Systems** section will be available if the user is performing a **Create a repository of updates** task. In this section, **select the operating systems that are running on the machines** that the update files will be applied to.

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1. Welcome

2. Task

3. Update Type

4. Network Access

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6. Operating Systems

7. Target Directory

8. Acquire Updates

9. Finish

Operating Systems

Select the operating systems that are running on the machines you wish to apply updates to.

☐	Operating System
☐	Platform
☐	Windows Server 2008
☐	Windows Server 2012
☐	Windows Server 2016
☐	Windows Server version 1709
☐	Windows Server version 1803
☐	Windows Server 2019
☐	Windows Server version 1904
☐	Windows Server 2022
☐	Red Hat Enterprise Linux (RHEL) 7
☐	Red Hat Enterprise Linux (RHEL) 8
☐	SUSE Linux Enterprise Server (SLES) 12
☐	SUSE Linux Enterprise Server (SLES) 15

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How to use UpdateXpress to perform updates

On the **Target Directory** window, click **Browse** and select the **target directory** where the latest update files will be saved. Click **Next** to continue.

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1. Welcome

2. Task

3. Update Type

4. Network Access

5. Machine Types

6. Operating Systems

7. Target Directory

8. Update Selection

9. Acquire Updates

10. Finish

Target Directory

Choose a directory on your computer to save the updates.

Directory:

D:\

Browse...

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How to use UpdateXpress to perform updates

On the **Update Selection** screen, **select** the updates to be acquired (downloaded to the target directory set up in step 9). After making the selections, click **Next** to start acquiring.

Note: If you selected **UpdateXpress System Packs** as your Update Type in step 5, you **will not be able** to choose individual update files.

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Update Selection
Select updates to download and install.

☒ Succeed.

☒ ThinkSystem SR650 V2 type 7Z73 - Windows Server 2016 - 62 update(s)

☒	Component	Update ID	Release Date
☒	Hard Disk Drive	lnvgv_fw_drives_all-1.38.04-0_windows_x86-64	2022/03/02
☒	Network	mlnx-lnvgv_fw_nic_cx-5.4-1.0.3.0-8_windows_x86-64	2022/04/07
☒	Network	intc-lnvgv_fw_nic_net-8.40-5.40-1.3079.0-all-12_window	2022/05/05
☒	Network	mlnx-lnvgv_fw_nic_cx-5.4-1.0.3.0-6_windows_x86-64	2022/04/07
☒	Network	mlnx-lnvgv_dd_nic_cx.winof2-2.70.51000.4_windows_x	2022/03/15
☒	mpt3sas	lnvgv_fw_storehba_mpt3.5.430-18.04.00.00-0_windows	2022/04/28
☒	sraidmr35	lnvgv_fw RAID_mr3.5.530-51.17.0-4094-0_windows_x86-	2022/03/08
☒	Fibre	elx-lnvgv_fw_fc_lp.3x-12.8.364.20-1_windows_x86-64	2022/01/27
☒	Fibre	qlgc-lnvgv_fw_fc_qla-2690.2700-1.94.06.c_windows_x86	2022/01/17
☒	sraidmr35	lnvgv_fw RAID_mr3.5.930-51.17.0-4094-0_windows_x86-	2022/03/08
☒	Fibre	elx-lnvgv_fw_fc_lp.3x-12.6.221.33-1_windows_x86-64	2022/01/27
☒	sraidmr35	lnvgv_fw RAID_mr3.5.940-52.17.0-4093-0_windows_x86-	2022/03/08

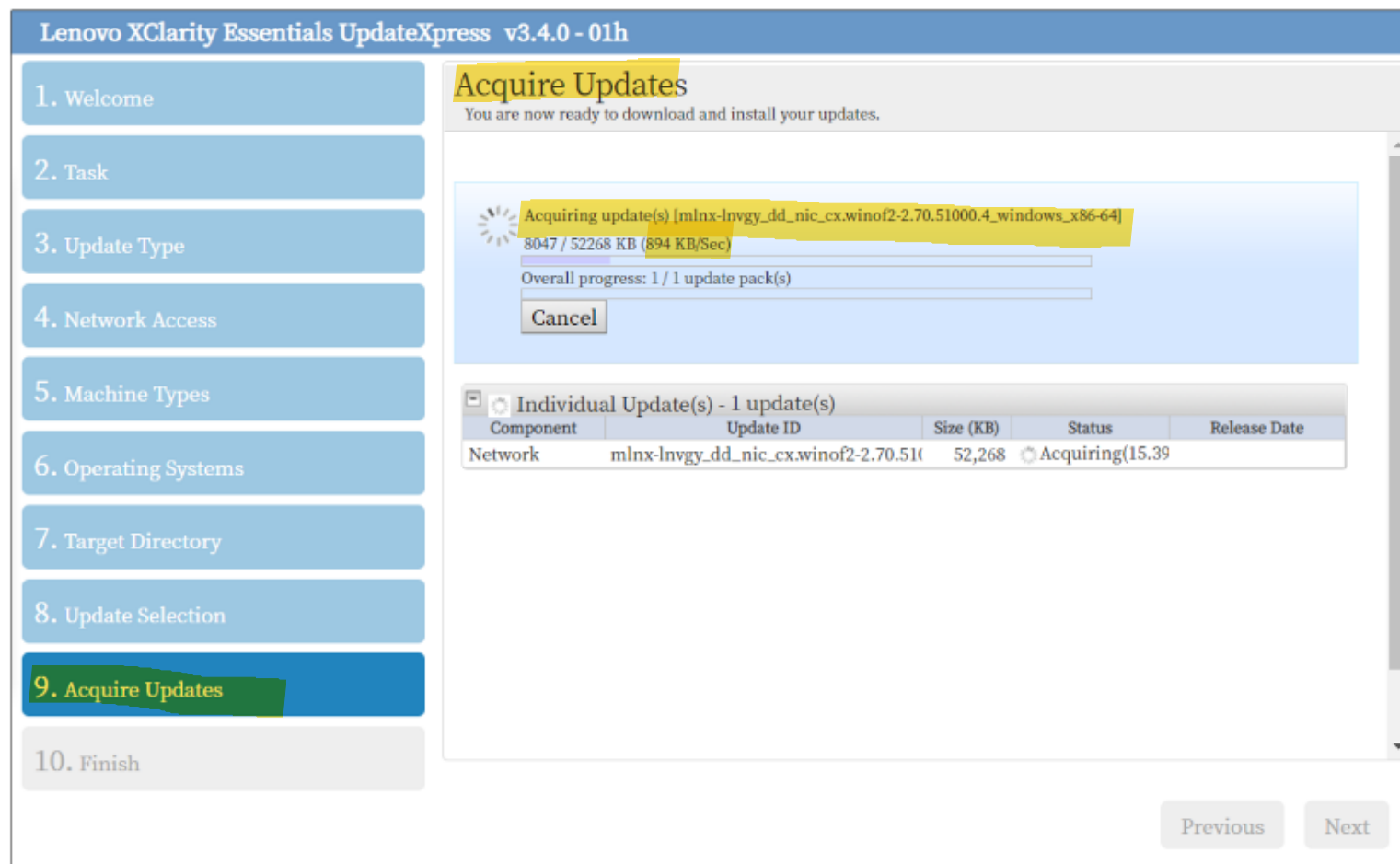
1. Welcome
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How to use UpdateXpress to perform updates

Wait while the UpdateXpress utility acquires all of the update files. The overall progress will be displayed on the **Acquire Updates** page.



Step



How to use UpdateXpress to perform updates

Whether you chose to update a local or remote system, after the update files have been acquired, UpdateXpress will determine if the updates are already installed on the system.

The update files that have not been applied yet will be displayed on the **Update Recommendation** screen.

Select any update recommendations that need to be updated and click **Next** to start updating the files.

The screenshot displays the 'Update Recommendation' screen in the UpdateXpress application. On the left is a vertical sidebar with 11 steps: 1. Welcome, 2. Update Task, 3. Remote Setting, 4. Update Location, 5. Proxy Setting, 6. Target Directory, 7. Update Selection, 8. Acquire Updates, 9. Update Comparison (highlighted in blue), 10. Update Execution, and 11. Finish. The main area shows a table of update recommendations for a remote machine with ID '5463'. The table has columns for Name, Severity, New Version, Installed Version, Reboot, and Updated ID. The table lists several updates, including x3550 M5 UEFI Firmware (Critical) and Lenovo Dynamic System Analysis (Suggested). At the bottom right, there are 'Previous' and 'Next' buttons.

Name	Severity	New Version	Installed Version	Reboot	Updated ID
Remote Machine-Type="5463"					
☐ x3550 M5 UEFI Firmware	Critical	TBE108I-1.20	TBE129B-2.40	Reboot Required	Invgy_fw_uefi_tbe108
└─UEFI					
☐ x3550 M5 UEFI Firmware	Critical	TBE128J-2.32	TBE129B-2.40	Reboot Required	Invgy_fw_uefi_tbe128
└─UEFI					
☐ Lenovo Dynamic System Anal Suggested		DSALA8N-10.2	DSALA8N-10.2	Reboot Required	Invgy_fw_dsa_dsala8
└─Diagnostics					
☐ Integrated Management Mod Critical		TCOO26O-3.75	TCOO59K-9.00	No reboot req	Invgy_fw_imm2_tcoo
└─IMM2					

Step



How to use UpdateXpress to perform updates

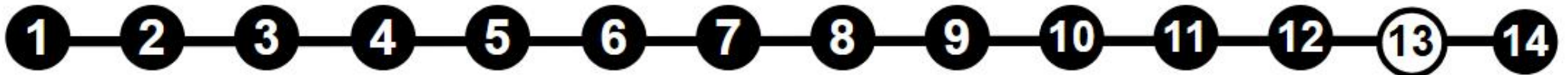
Allow UpdateXpress to run and install all the update files. When a file has been installed, the entry in the status column will automatically be updated. When all the packages have been installed, click **Next** to continue.

The screenshot shows the UpdateXpress interface with a sidebar on the left containing 11 steps. Step 10, 'Update Execution', is highlighted in blue. The main area is titled 'Running updates' and shows a 'Success' message with a green checkmark. Below this is a table with the following data:

Name	Reboot	Status	Result
Remote Machine-Type="5463"			
Lenovo Dynamic System Analysis (DS Reboot Requi		Package installation success	Success.

At the bottom right of the interface are 'Previous' and 'Next' buttons.

Step



How to use UpdateXpress to perform updates

If any errors occurred during the update process, click **View Log** to see the log text file for more information about the error.

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1. Welcome	Complete
2. Task	 Your update is completed.
3. Update Type	View Log

Step

