



Hands-on Lab: Windows Update

Estimated time needed: **30** minutes

About This Lab

Operating system updates include patches that are designed to:

- Address known vulnerabilities.
- Fix bugs.
- Protect against new attack types.
- Add new features.

Because these patches address security risks, it is important to perform system updates as soon as possible. In this lab, we will work with Windows Update, the tool that is used for downloading, installing, and configuring Windows updates.

Objectives

In this hands-on lab, you will:

- Review Windows Update
- Check for Windows updates

Important Notices about This Lab

About Lab Sessions

Lab sessions are not persisted. This means that every time you connect to this lab, a new environment is created for you. Any data or files you saved in a previous session are no longer available. To avoid losing your data, plan to complete these tasks in a single session.

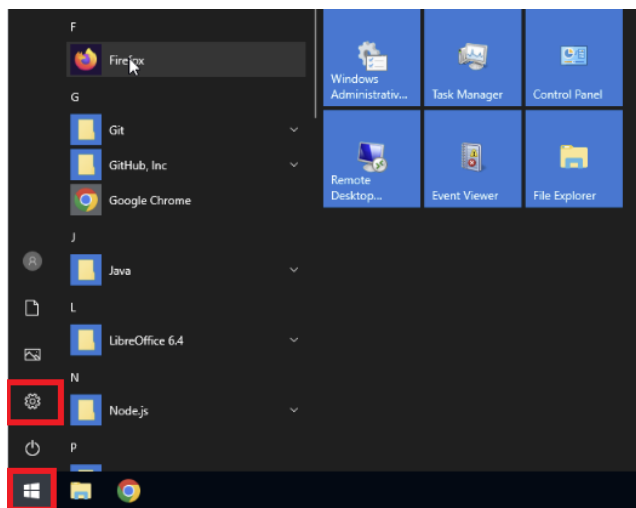
About the Lab Instructions and Solutions

Microsoft Windows operating system features can vary based on the Windows edition. If completing these exercises on your machine, your navigation and solutions may differ from what's presented in this lab.

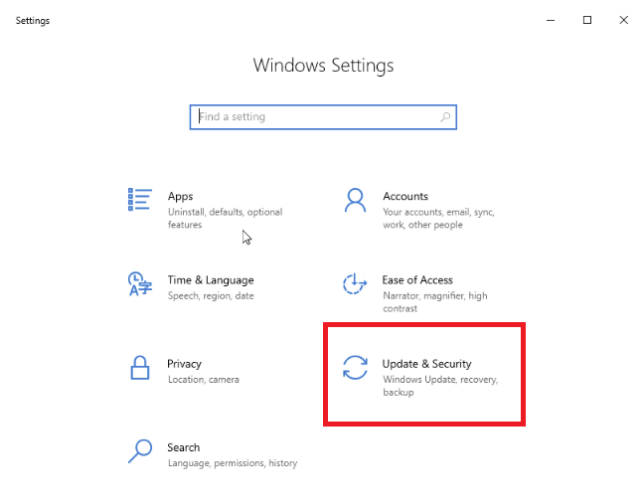
Exercise 1: Review Windows Update

In this exercise, we will review the features available with Windows Update.

1. Click the Windows ****Start**** button and then click **Settings** on the Start menu.



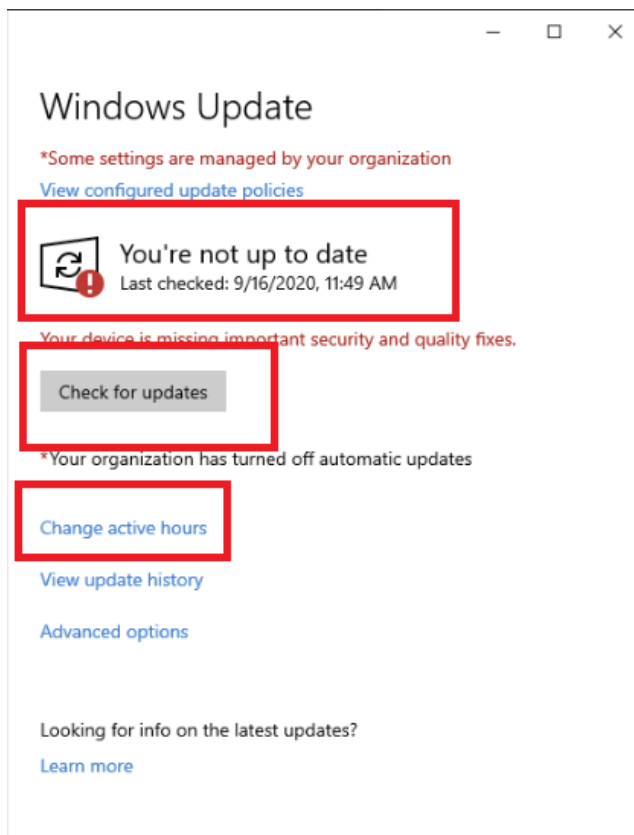
2. Click **Update & Security**.



3. Here you will see the options for Windows Update. At the top of the right pane, you will see a notification regarding the current update status – whether update policies are up-to-date. In this instance, there is an alert indicating that Windows Update is not up-to-date and that the last update was several years ago.

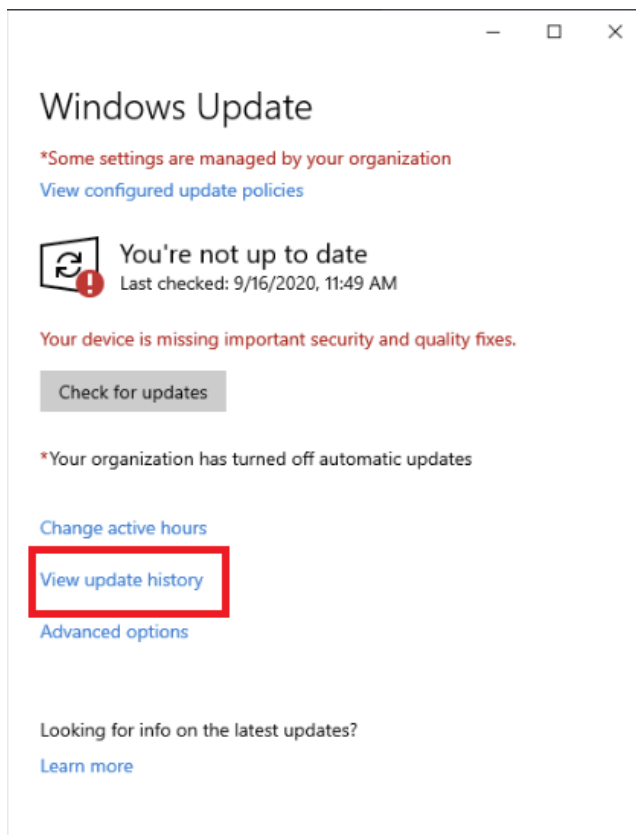
Next is the **Check for updates** button. This button checks with Microsoft to see what updates are available for this system. Clicking this button will automatically download and install the updates that are found.

Click **Change active hours**.



4. When automatic updates are enabled, automatic restarts may be needed. Active hours can be set to indicate the hours that users are typically using the device. Automatic restarts will not occur during these times if a user is using the system.
Click **Cancel** to return to the Windows Update screen.

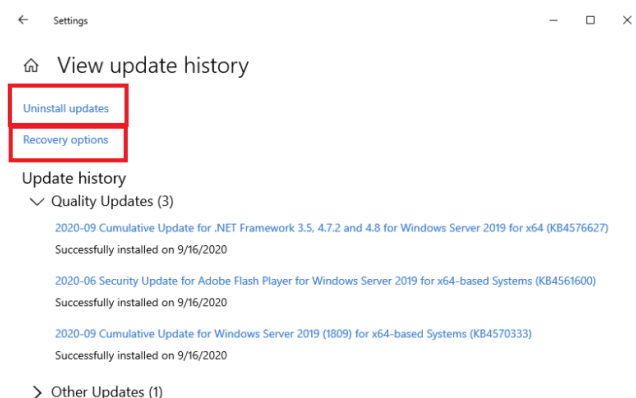
5. Click **View update history**.



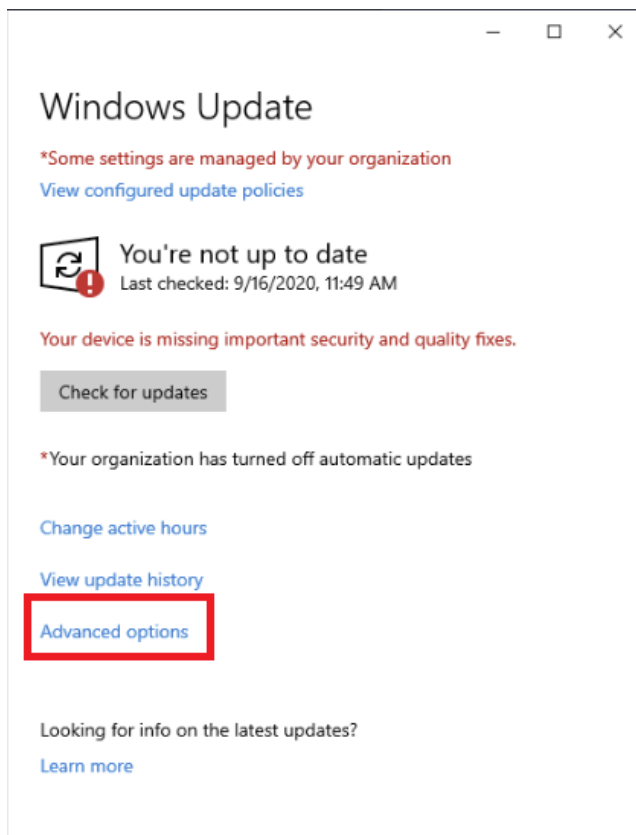
6. This screen provides a list of all updates that have been performed on the system. In some instances, updates can conflict with software or can cause unexpected problems with a system. This screen provides the following options:

- **Uninstall updates:** This link can be used to access a detailed list of all updates that have been performed on the local system. Any of these updates can be uninstalled if needed.
- **Recovery options:** This link directs the user to the Windows Recovery options for advanced startup and file backup.

Click the back arrow to return to the Windows Update screen.



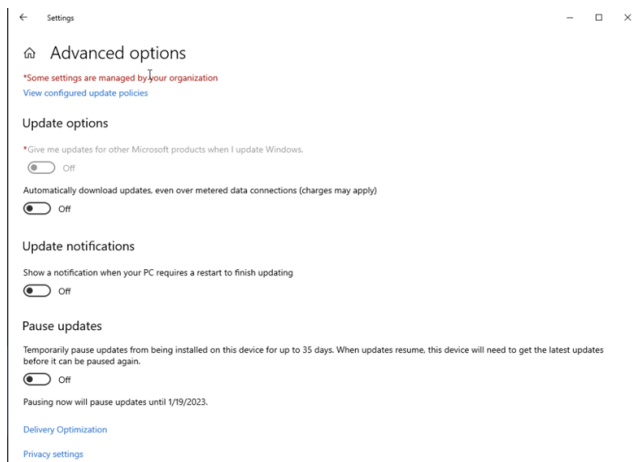
7. Click **Advanced options**.



8. This screen provides a listing of options that you can turn on or off for the local machine. At the top of the page you will see a red notification that **Some settings are managed by your organization**. In some instances an organization will choose to always enable or disable certain updates. The local user does not have permission to adjust these settings.

The following options can be toggled on or off by the user:

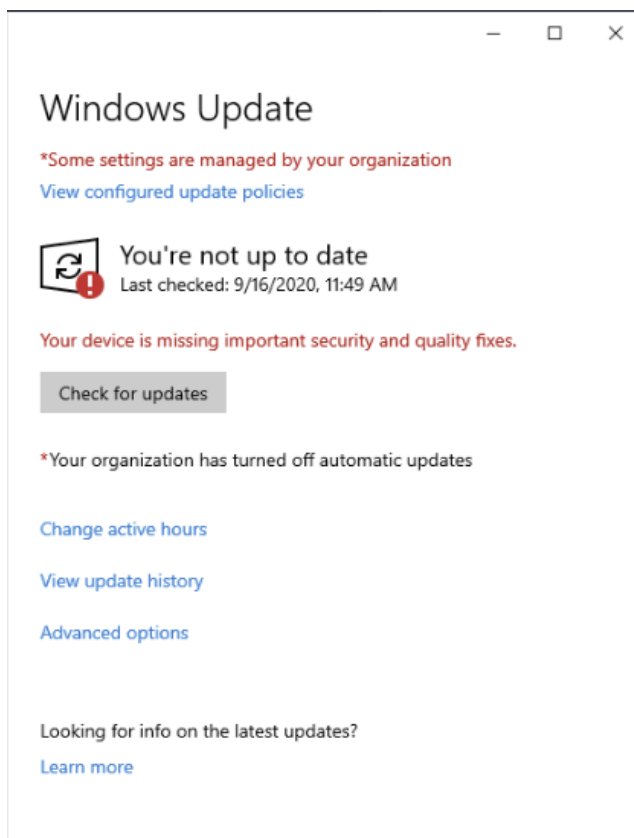
- **Give me updates for other Microsoft products when I update Windows:** This option will update Microsoft Office, Teams, and other Microsoft products when operating system updates are applied. Note that in this example, this option is grayed out meaning that the organization has opted to remove this option for users.
- **Automatically download updates, even over metered data connections:** This option allows a user to enable or disable automatic downloads on an internet connection with a data limit.
- **Show a notification when your PC requires a restart to finish updating:** If an update requires a restart, this option determines whether or not the user gets a warning about the required restart.
- **Pause updates:** This option allows updates to be paused for up to 35 days.
Select the back arrow to return to the **Windows Update** screen.



Exercise 2: Check for Windows Updates

In this exercise we will update the Windows operating system.

1. Click **Check for Updates** from the **Windows Update screen. This process could take several minutes.



2. Status updates will show on your screen as files are pending download, downloading, pending install, installing, or complete. *Note: In a normal setting, Windows would complete all updates and then restart for all changes to take effect. This will not happen within the Rhyme platform.*



Congratulations! You have completed this lab and are ready for the next topic.

Author

Dee Dee Collette

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