Hello Everyone! In this video, you will learn about Configure Network Level Authentication on the machine which offers extra authentication measure and enhances security and Patch Management Importance.

The next step is to Configure Network Level Authentication on the machine which offers extra authentication measure and enhances security, so the attacker doesn't log in easily. To enable Network Level Authentication, perform the following steps. Click on Start then right-click on Computer and then click on Properties.

From the System properties page, on the left pane, click on Remote Settings.

You can see that the Remote Desktop feature is enabled, and the option Allow connections from computers running any version of Remote Desktop (less secure) is selected by default. Select the option Allow connections only from computers running Remote Desktop with Network Level Authentication (more secure) to enable network level authentication and click on apply and then OK.

The ultimate solution, to make your machine attack-proof against Blue keep RDP-based attacks is upgrading it with the released patches from Microsoft.

Let's see why patch management is an essential activity. It is the practice of deploying firmware, driver, operating system (OS), and application updates to your computing endpoints. Patch management is critical to keeping systems updated and reducing attack surfaces. Patch management may fix vulnerabilities such as CVE-2019-0708 or "BlueKeep" vulnerability in Microsoft's Remote Desktop Protocol (RDP).

To download CVE-2019-0708 | Remote Desktop Services Remote Code Execution Vulnerability security update, go to https://portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2019-0708where the links are available for the security update packages.

After opening the link, Scroll down to the operating system that is in use. In this example, it is Windows 7 64bits.

Click on the desired package. In this example, the package used is Windows 7 for x64-based Systems Service Pack 1 (KB4499164) Monthly Rollup.

Make sure it's the Monthly Rollup link that is choose!

A new window will open. Select the update for your windows version and press Download. Click on the link that will appear after pressing the Download button.

After the download is complete, click on the setup file to install it.

A popup Window appears asking "Do you want to install the following Windows software update". Press Yes and this will initialize the setup installation.

This installation may take some time, normally 5-10 minutes. At the end of the installation, it will ask to restart the computer so, Restart it. To check if the installation was successful, just go to Control Panel > Windows Updates > View update History (on the left side) and see if the Security Update for Windows is installed. It should have the current date in the Date Installed column. If the update has been already applied or installed and you try to reinstall it, a pop-up window will appear on the screen informing you about it.

Thank You!