



Merit LILIN Application Note

How to Protect LILIN NAV System from the Virus WannaCry 2.0

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Dept: Technical Support, Taipei

Subject: This document describes how to prevent the virus WannaCry 2.0 for LILIN Navigator systems.

Products:

NAV3025 、 NAV2036 、 NAV1036/1072/1108 、 NAV16036/16072/16108 、 NAV24036/24072/24108

Step #1. Check whether the LILIN NAV system has got the Virus WannaCry 2.0

1-1 Remove all network connections (wire & wireless), and then reboot Windows system.

1-2 After you log in to the NAV system, press “Ctrl + Alt + Del” to run Task Manager, choose processes page and check whether there is tasksche.exe or mssecsvc.exe on the list. If so, your system might have the virus.

Step #2. How to remove the WannaCry 2.0

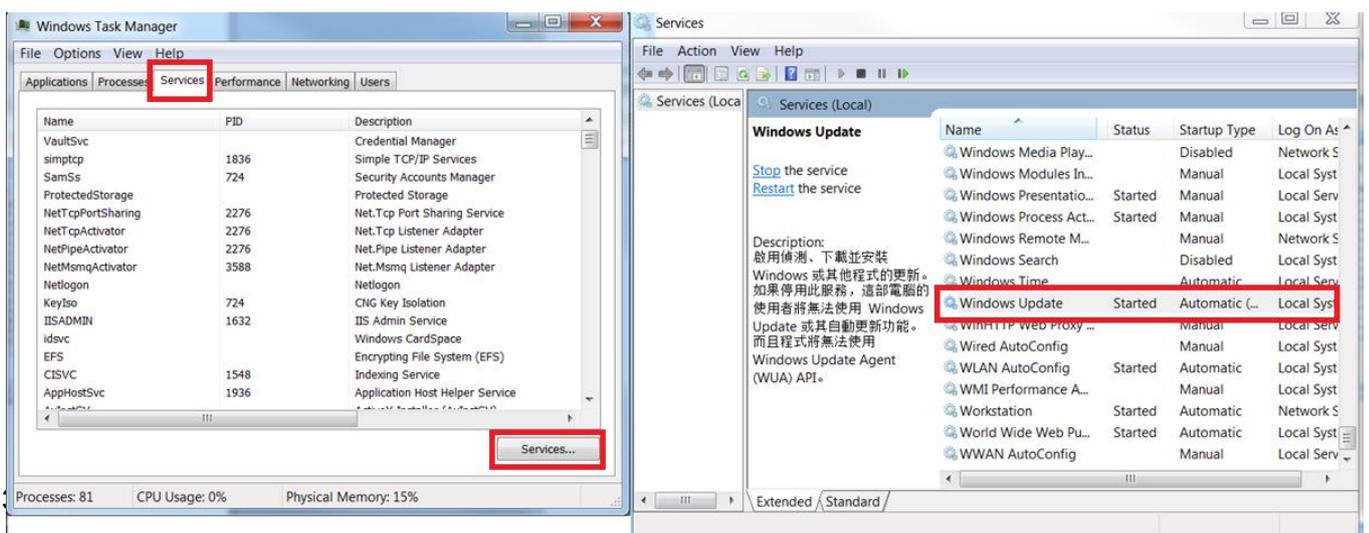
2-1 Re-install Windows, since this NVR contains embedded Windows, please contact your local LILIN dealer or branch for getting an embedded Windows module.

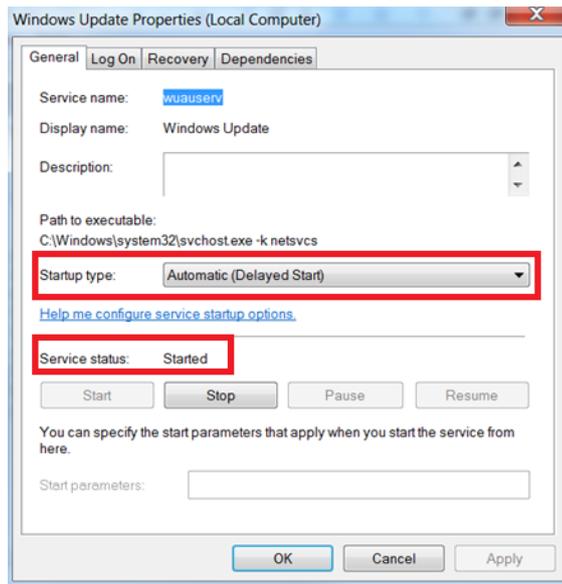
2-2 If Windows is not re-installed on the hard disk, **DO NOT** put this hard disk into the others PC to avoid affecting another PC from the virus.

Step #3. Protect LILIN NAV from WannaCry 2.0

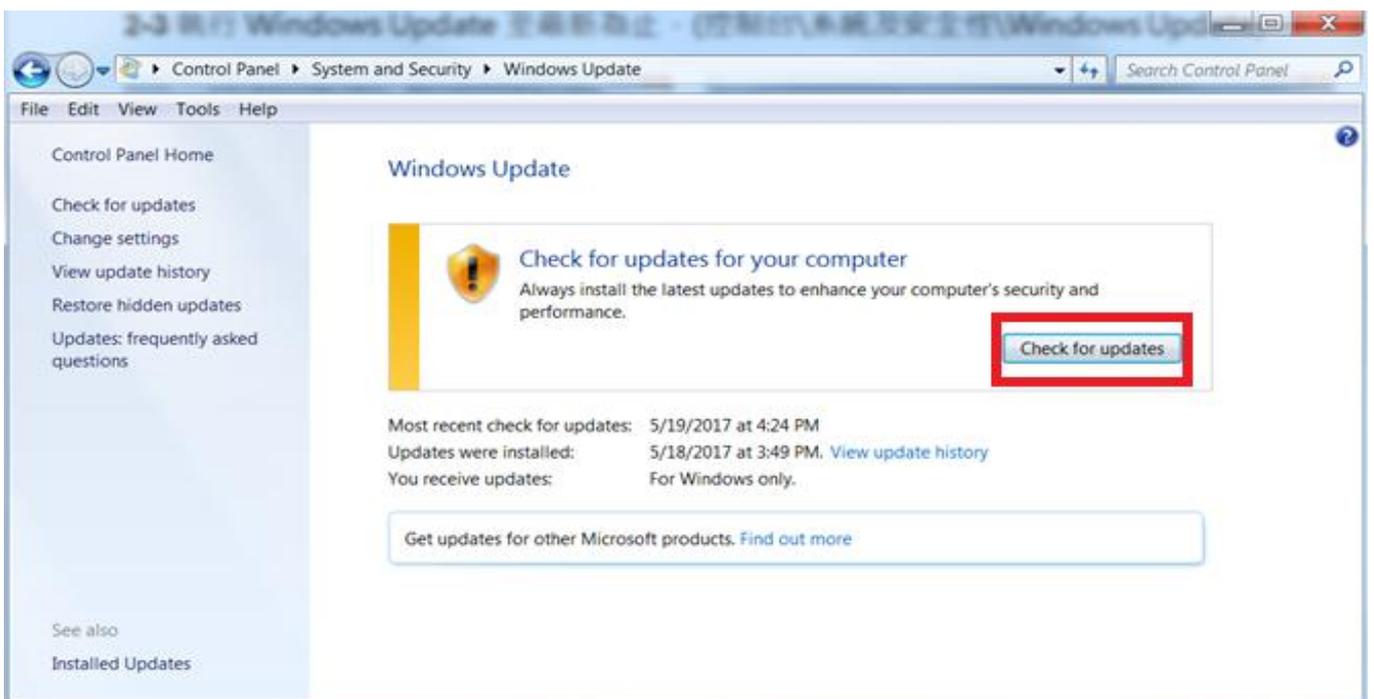
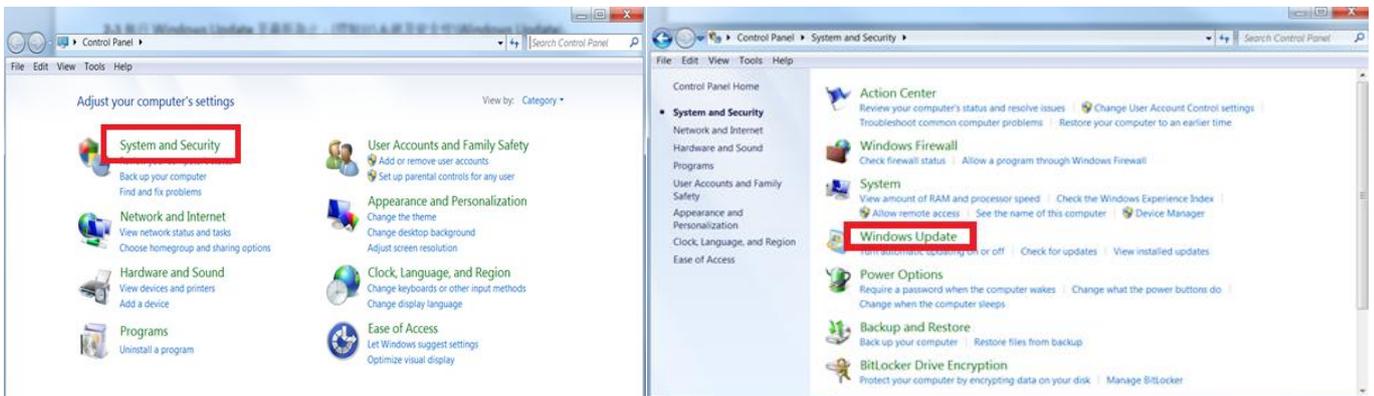
Enable Windows automatic updates, and update fully your system.

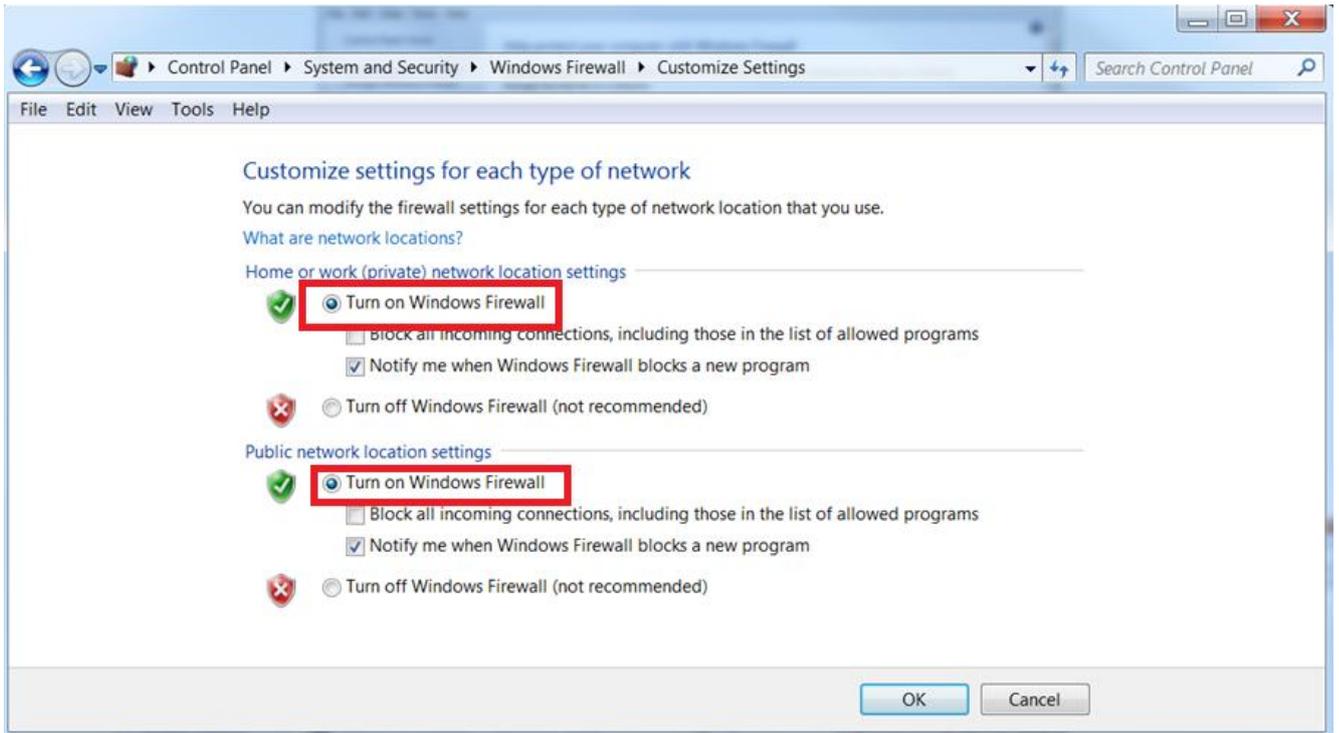
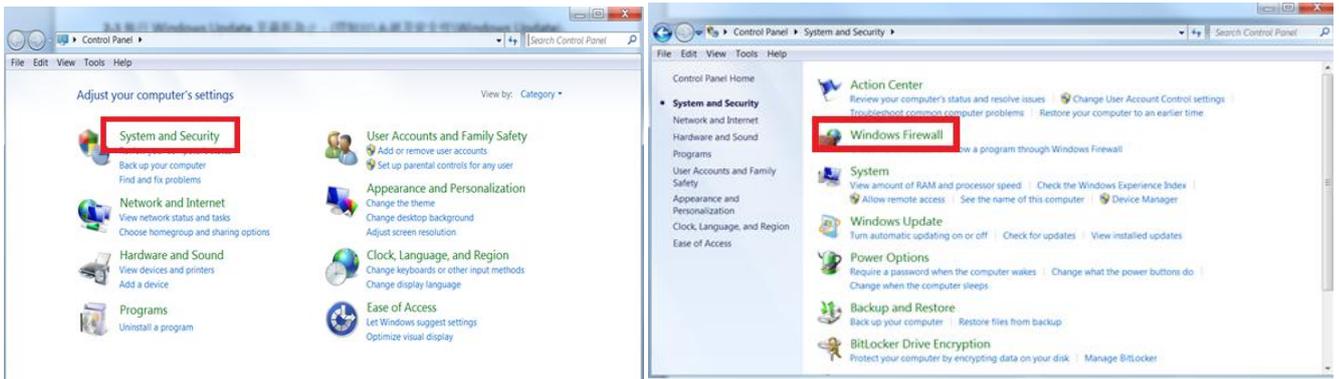
3-1 Press “Ctrl + Alt + Del” to run Task Manager, choose services page and make sure if Windows Update service is running.





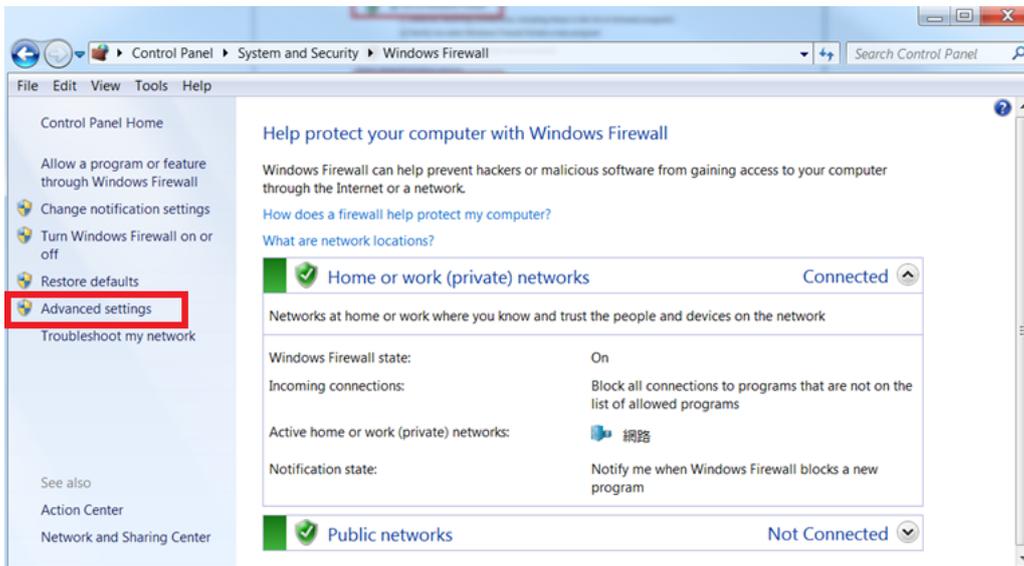
3-3 Execute Windows Update and make sure that all hotfixes are installed (Control Panel\System and Security\Windows Update).



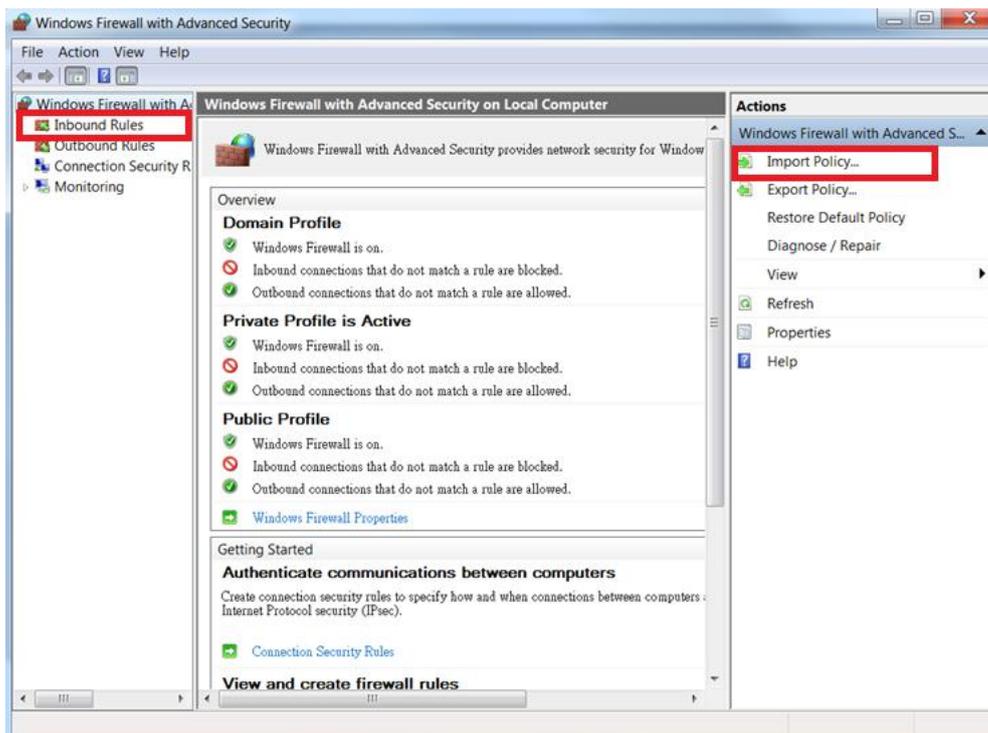


Step #4. Disable TCP 455 Port

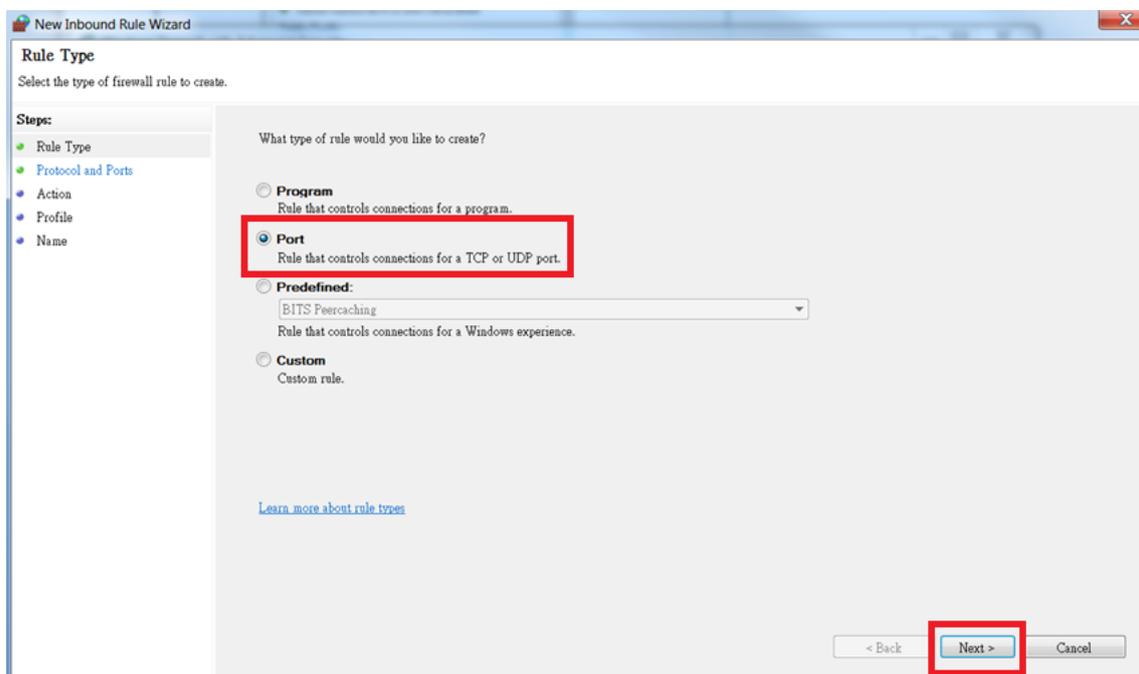
4-1 Click Advanced settings.



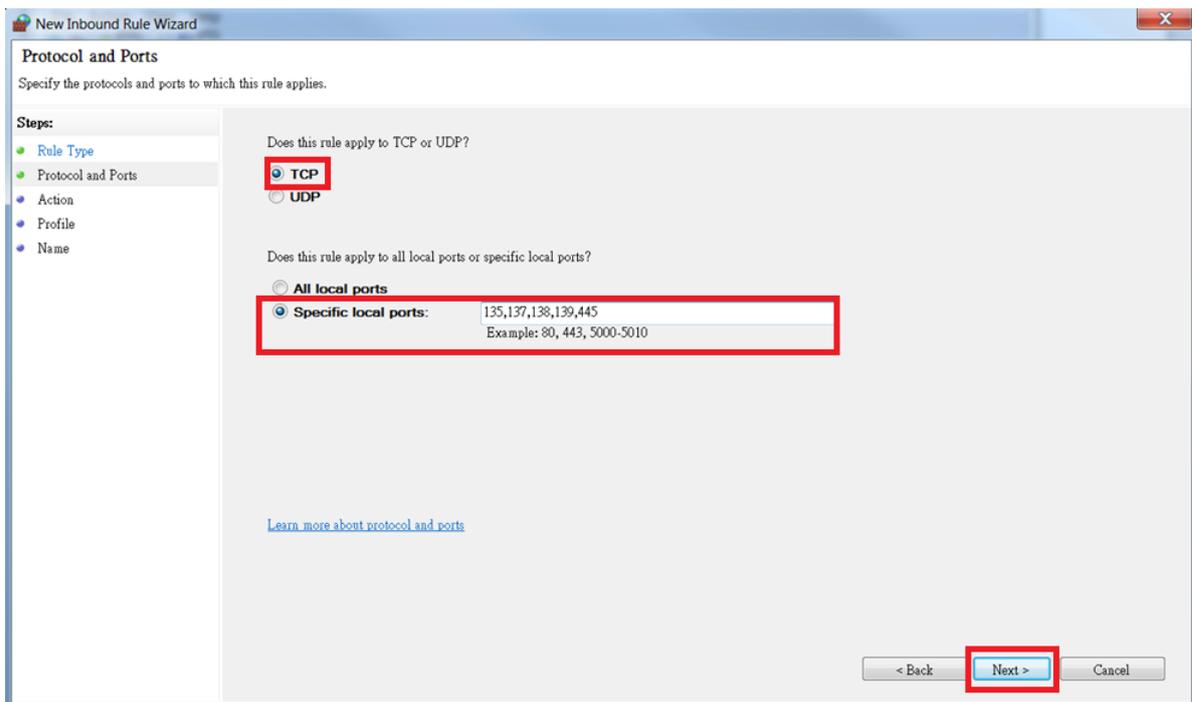
4-2 Click Inbound Rules, and then Import Policy.



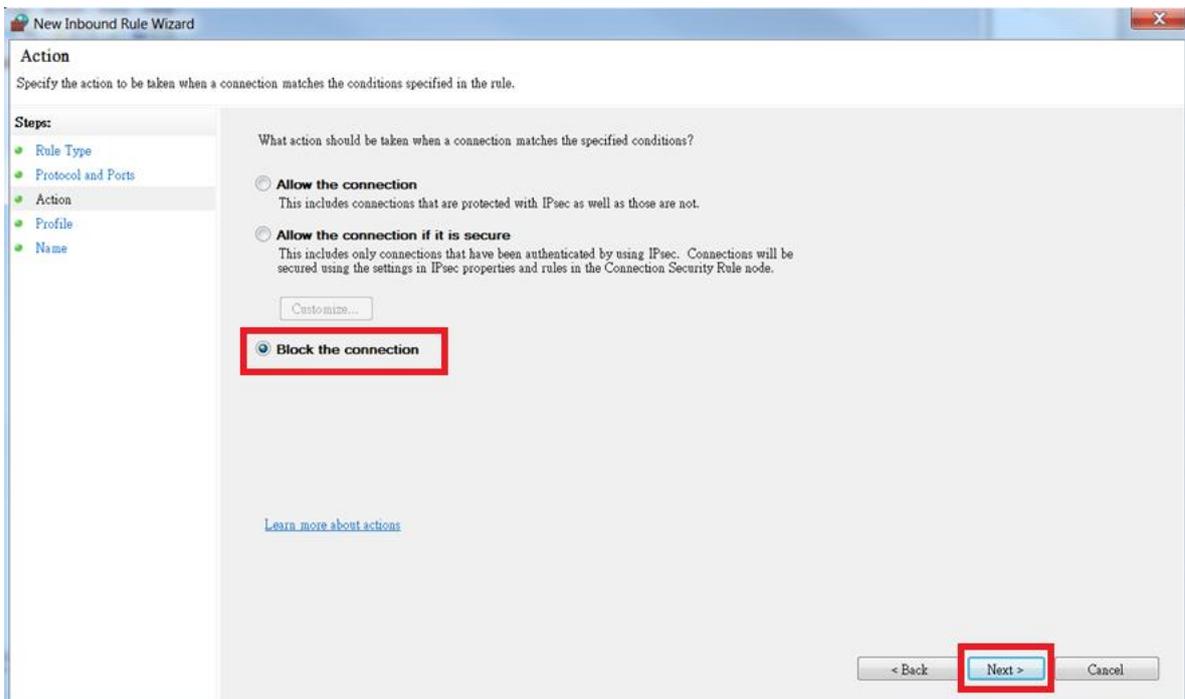
4-3 Choose Port and go next.



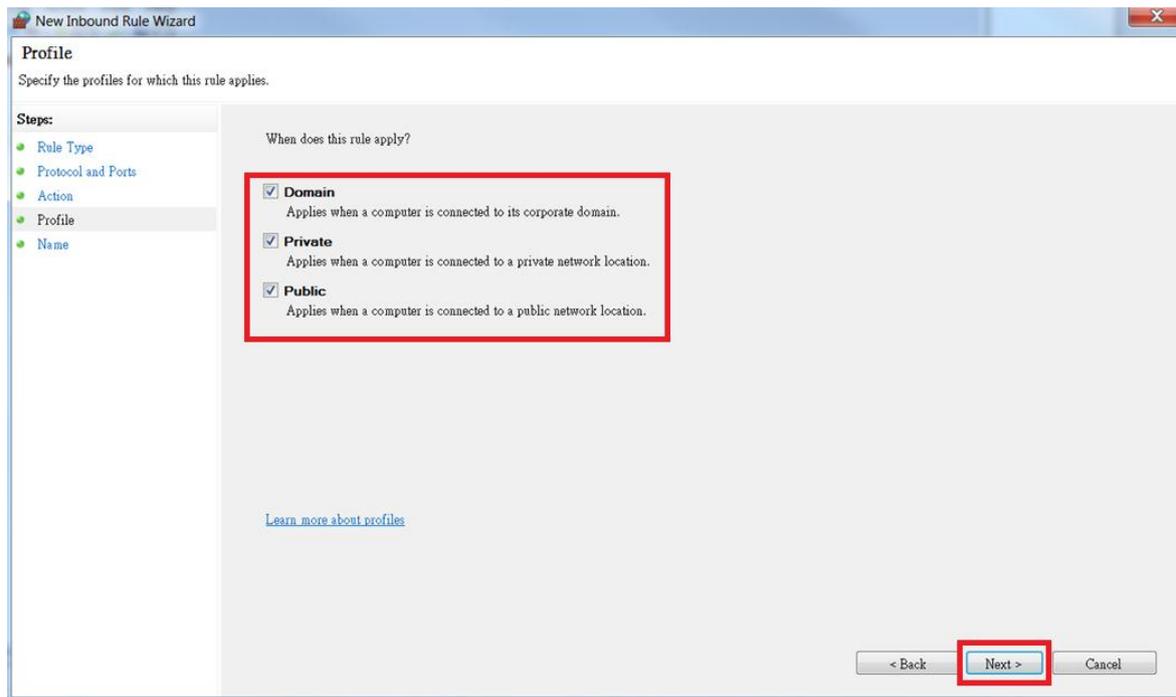
4-4 Choose TCP & Specific local ports, key-in 135,137,138,139,445, and then go next.



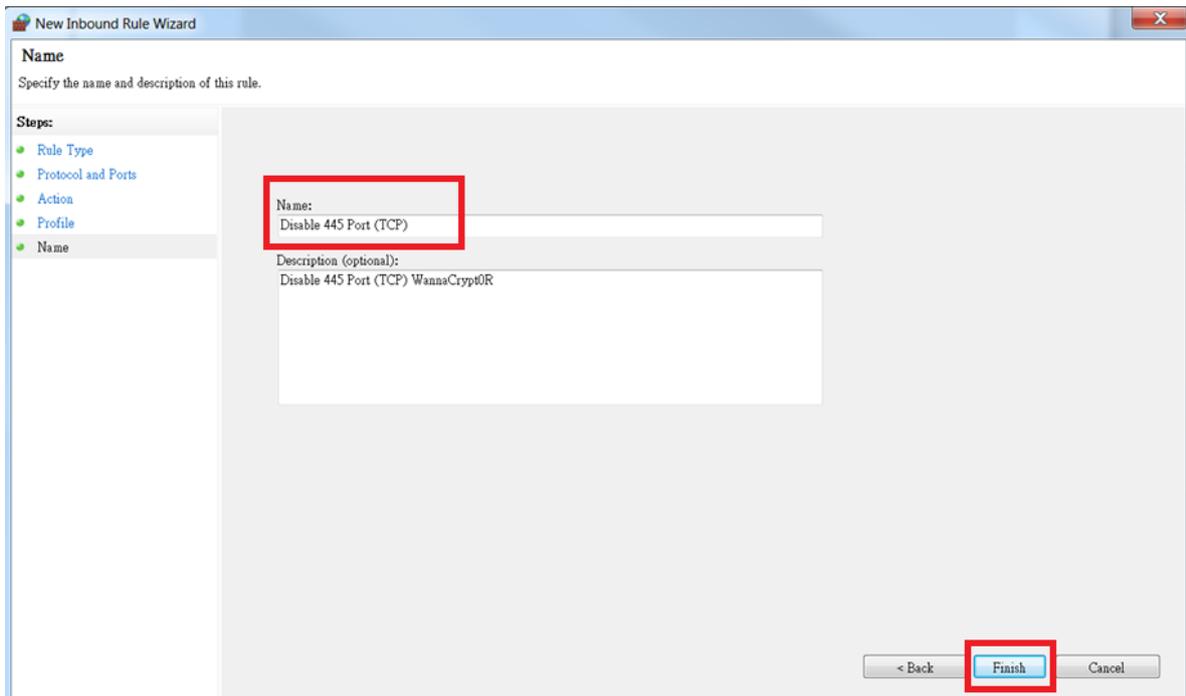
4-5 Choose Block the connection and go next.



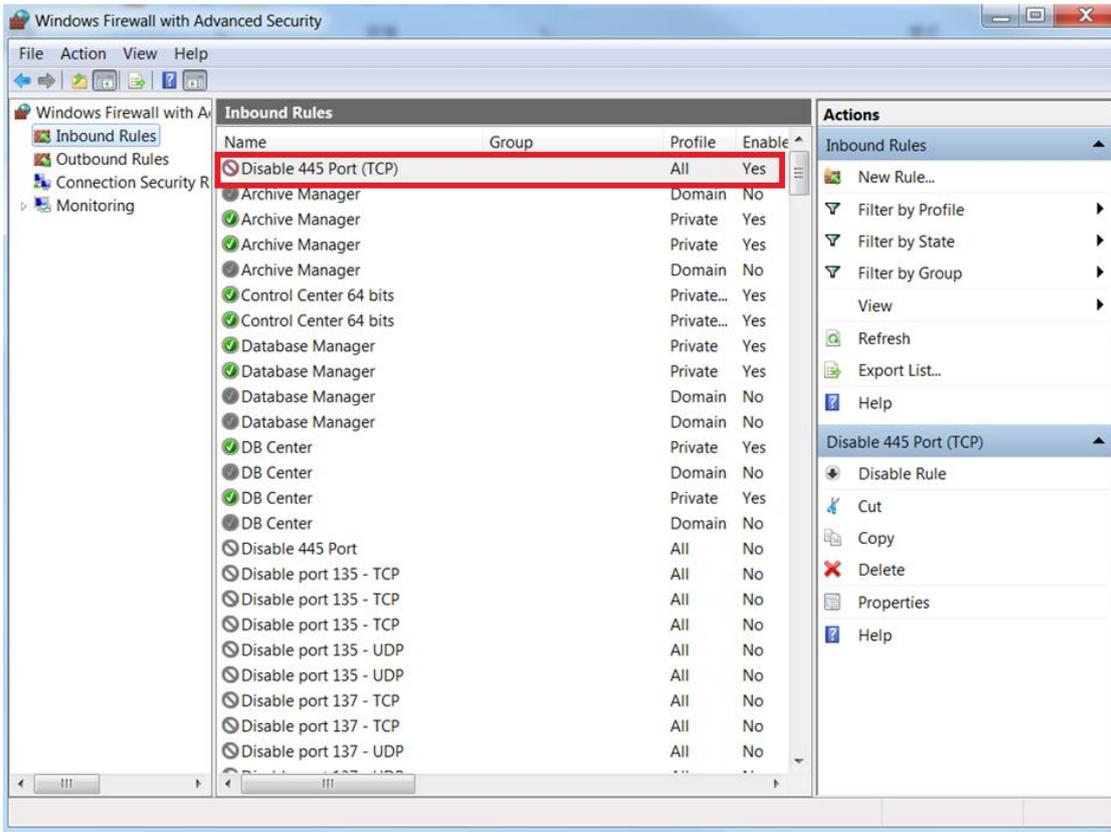
4-6 Check all checkboxes and go next.



4-7 Give a name for this rule and press Finish button.

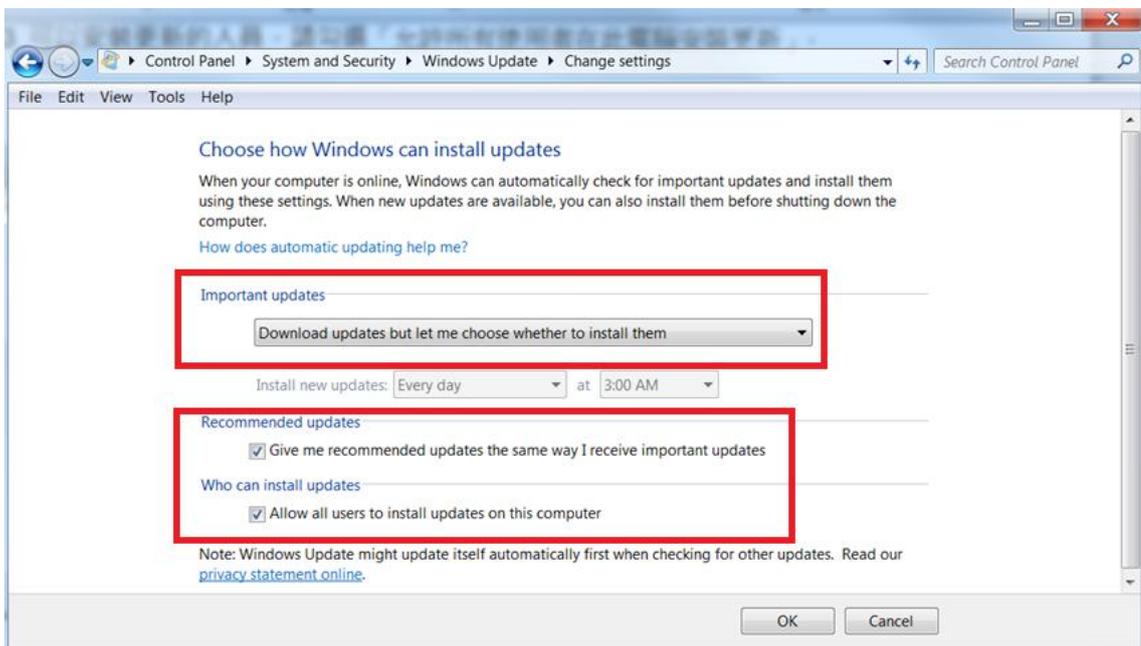


4-8 The new rule Disable 445 Port (TCP) is on the Inbound Rules list.
For setting UDP, please go through 3-4 ~ 3-7 and name this rule to Disable 445 Port (UDP).



Step #5. After Windows Update completes, follow the steps below to adjust settings to make the system safer.

- 5-1 Select 'Download updates but let me choose whether to install them for Important updates.'
- 5-2 Check 'Give me recommended updates the same way I receive important updates.'
- 5-3 Check 'Allow all users to install updates on this computer.'





NOTE: To avoid automatic Windows Update for system rebooting, disable Window Update by default, but we recommend you do Windows Update regularly.

Contact

Contact lilin.zendesk.com for technical support.