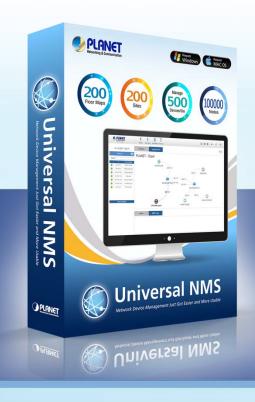


Pioneer of IP Innovation

Software Installation Guide

PLANET UNI-NMS

Universal Network Management Software

















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Sections

- System Requirements
- **♦ Installing Software**
- **♦ Importing Open Virtualization Format**
- How to Set Up
- How to Operate



System Requirements

- **◆CPU:** Intel Core i5 3.4 GHz dual-core or above
- **◆RAM: 4 GB minimum or above**
- ♦ HDD: 200 GB (actual requirement is dependent on log size)
- **♦**OS: Microsoft Windows 7/8/8.1/10

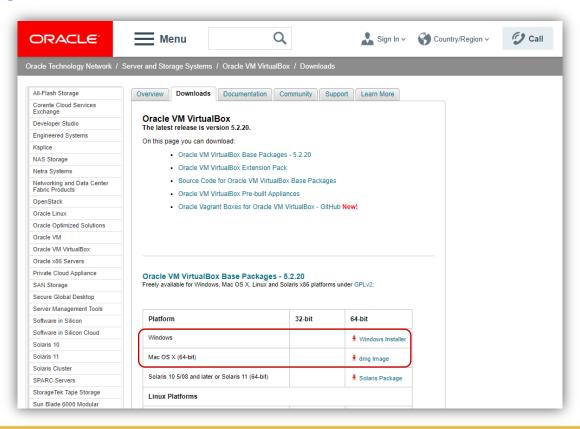
 Note: Supported OS is dependent on virtualization product
- **♦** Virtualization: Oracle VirtualBox 5.0 or later
- **♦**Browser: Chrome 31.0 or better



Installing Softwave

Download to install Oracle VM VirtualBox from Internet

<u>Download Link</u> (http://www.oracle.com/technetwork/server-storage/virtualbox/downloads/index.html)

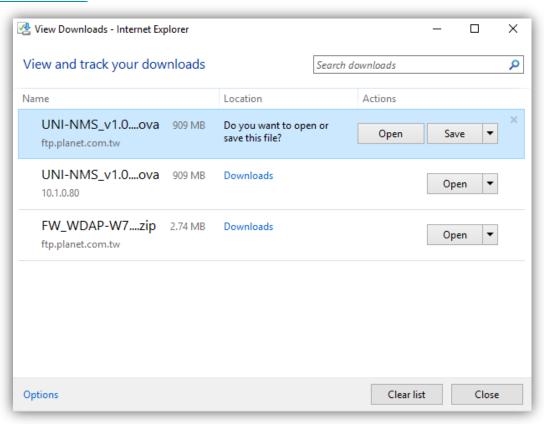




Installing Softwave

 Select items from the menus to download UNI-NMS (UNI-NMS_v1.0b181102.ova.zip)

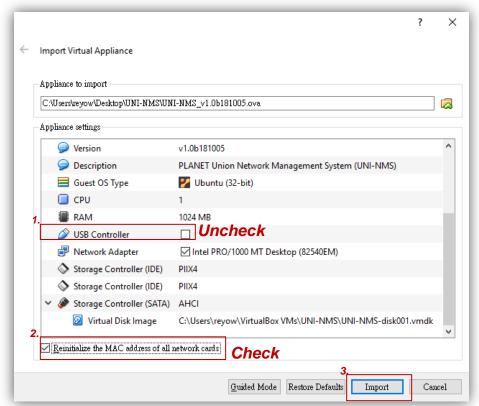
Download Link





Importing Open Virtualization Format

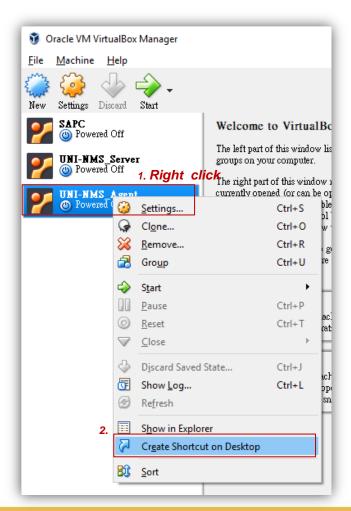
- Double-click "UNI-NMS_v1.0b181102.ova" to import (or import it through the VM VirtualBox Manager)
- Uncheck the following items if existed
 - ✓ USB Controller
 - ✓ DVD
 - ✓ Sound Card
- Select
 - ✓ Reinitialize the MAC ...





How to Set Up

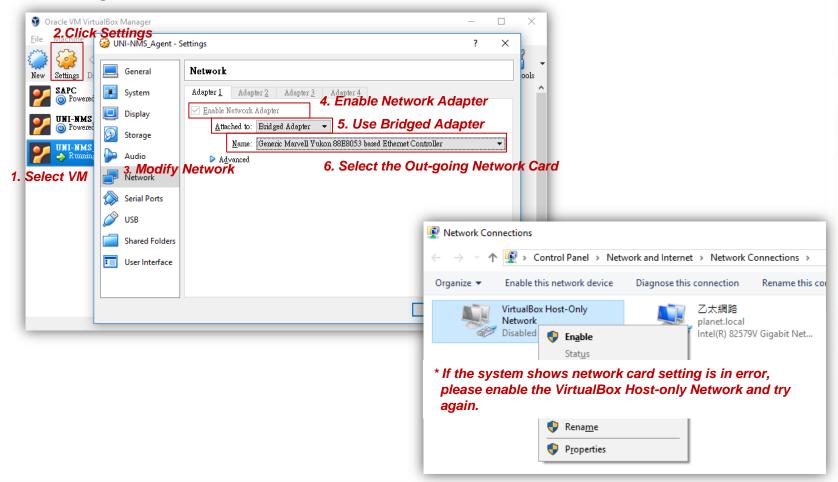
- Right-click "UNI-NMS".
- Select "Create Shortcut on Desktop".





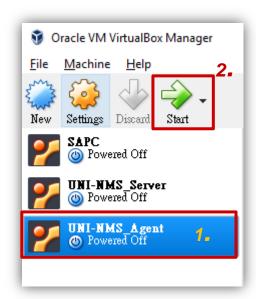
How to Set Up

 Please ensure your Network Adapter 1 is connected to the local network (Managed devices included).





- Select the VM.
- Press "Start" to run the UNI-NMS.



*Press the setting button to define the General Name of VM.

```
UNI-NMS_Agent [Running] - Oracle VM VirtualBox
                                                                                               File Machine View Input Devices Help
        Starting LSB: Record successful boot for GRUB...
        Starting Permit User Sessions...
  OK 1 Started ACPI event daemon.
        Starting LSB: daemon to balance interrupts for SMP systems...
        Starting LSB: HPA's tftp server...
        Starting Accounts Service...
        Starting LSB: start Samba NetBIOS nameserver (nmbd)...
        Starting /etc/rc.local Compatibility...
        Starting LSB: Apache2 web server...
  OK 1 Started D-Bus System Message Bus.
  OK 1 Started Regular background program processing daemon.
  OK 1 Started Deferred execution scheduler.
  OK 1 Started Daily Cleanup of Temporary Directories.
  OK 1 Reached target Timers.
        Starting LSB: Set the CPU Frequency Scaling governor to "ondemand"...
        Starting Login Service...
        Starting System Logging Service...
  OK 1 Started FUSE filesystem for LXC.
  OK 1 Started An object/document-oriented database.
        Starting LSB: MD monitoring daemon...
     1 Started Permit User Sessions.
  OK 1 Started System Logging Service.
  OK 1 Started Login Service.
  OK 1 Started LSB: Set the CPU Frequency Scaling governor to "ondemand".
        Starting Authenticate and Authorize Users to Run Privileged Tasks...
  OK 1 Started LSB: Record successful boot for GRUB.
     1 Started LSB: HPA's tftp server.
      1 Started LSB: daemon to balance interrupts for SMP systems.
      1 Started LSB: MD monitoring daemon.
      1 Started Authenticate and Authorize Users to Run Privileged Tasks.
      1 Started Accounts Service.
 OK 1 Started LSB: Apache2 web server.
Stopping LSB: HPA's tftp server...
OK 1 Stopped LSB: HPA's tftp server...
Starting LSB: HPA's tftp server...
  OK 1 Started LSB: HPA's tftp server.
                                                                          🚱 🗗 🥟 🧰 🌉 🔐 🔘 🚫 💽 Right Ctrl
```



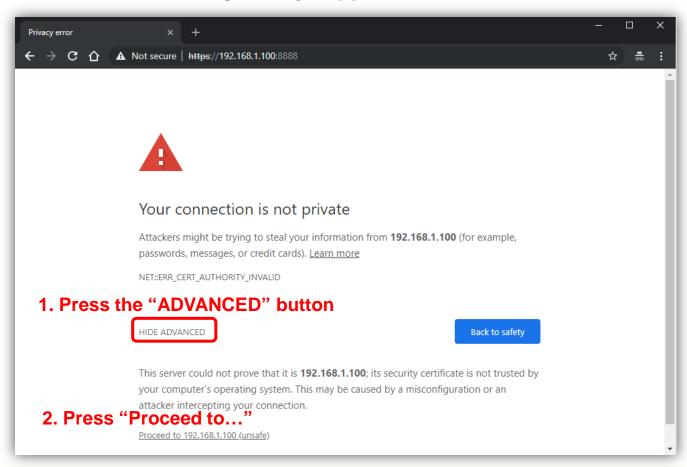
When the "UNI-NMS login" appears, please enter user login account "adminuser", and password "adminuser".

```
UNI-NMS_Agent [Running] - Oracle VM VirtualBox
                                                                                              File Machine View Input Devices Help
Ubuntu 16.04.1 LTS UNI-NMS tty1
UNI-NMS login: adminuser
Password:
<del>Last login: Tue Oct 30 16</del>:38:00 CST 2018 on tty1
Welcome to Ubuntu 16.04.1 LTS (GNU/Linux 4.4.0-79-generic i686)
 * Documentation: https://help.ubuntu.com
                   https://landscape.canonical.com
 * Management:
 * Support:
                   https://ubuntu.com/advantage
1) View IP Status 3) Restart Network 5) Logout
                                                              7) Shutdown
                    4) Reset Database 6) Reboot
2) Ping
Please enter your choice: 3
Restart network will take a few seconds
..Network restart finished.
Please enter your choice:
```

♦ When the "preferred command" appears, please enter command "3" to restart network command. (It will not be necessary if you cannot be connected to UNI-NMS Web UI.)



- Open Chrome to log in the UNI-NMS.
- Please use Chrome to get fully supported.

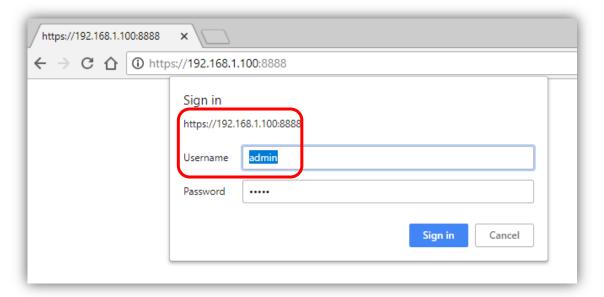




The UNI-MMS web GUI login screen.

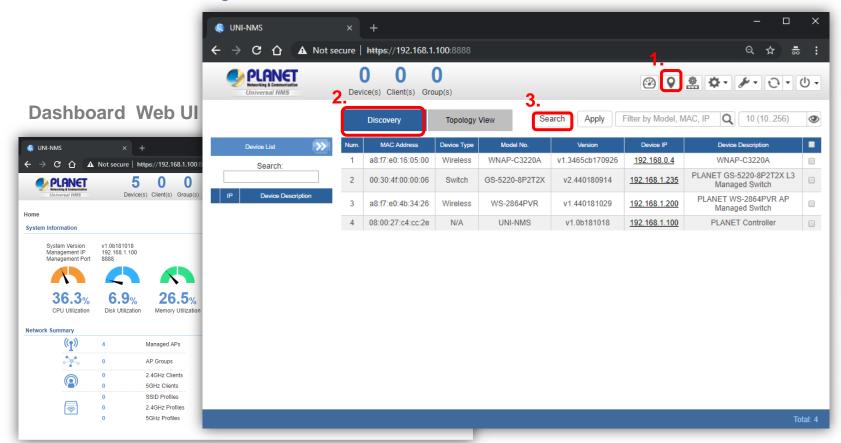
Username: admin

Password: admin



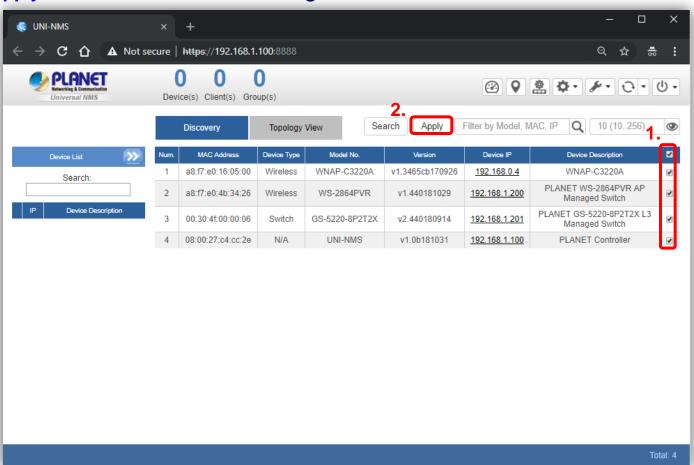


 On the dashboard, press the "Domain" icon shown below as No. 1, "Discovery" shown as No. 2 and then "Search" shown as No.3 to find the managed APs and continue other settings.



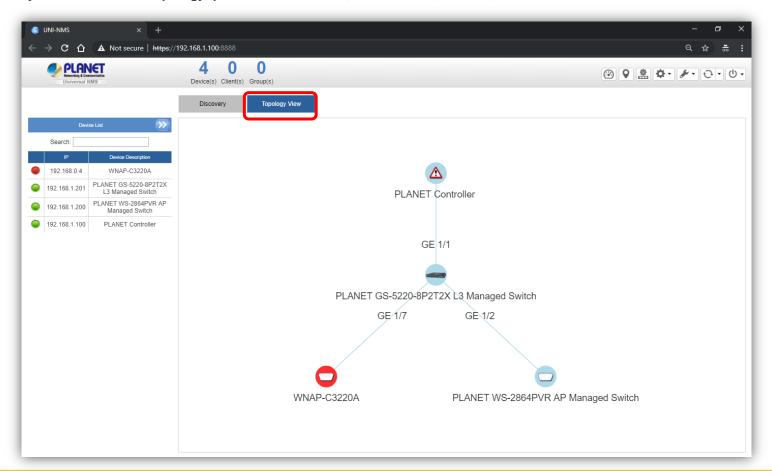


 Select devices shown below as No. 1 by checking the boxes, and then press the "Apply" icon to add devices to management list.



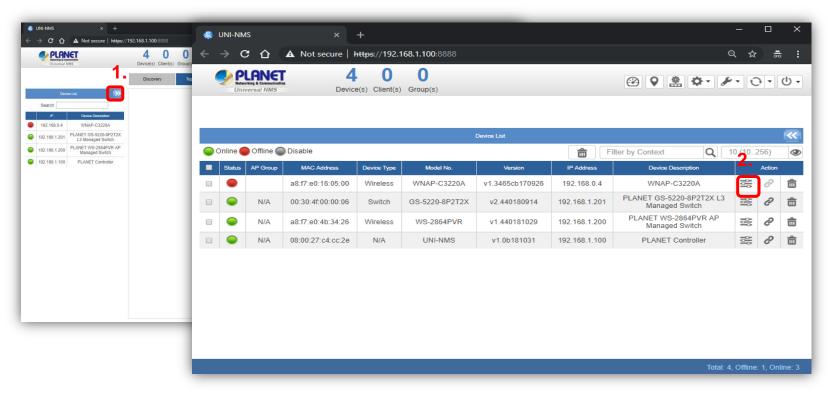


- Press "Topology View" to see the domain network topology after one minute.
 - If you do not see the topology, please check devices, like switches, routers, etc. to enable SNMP and LLDP functions.





- Press the "Double Arrow" icon shown below as No. 1 to see the fully managed devices information.
- Press the "Identification" icon shown as No. 2 to modify the device description, type, and web protocol information.

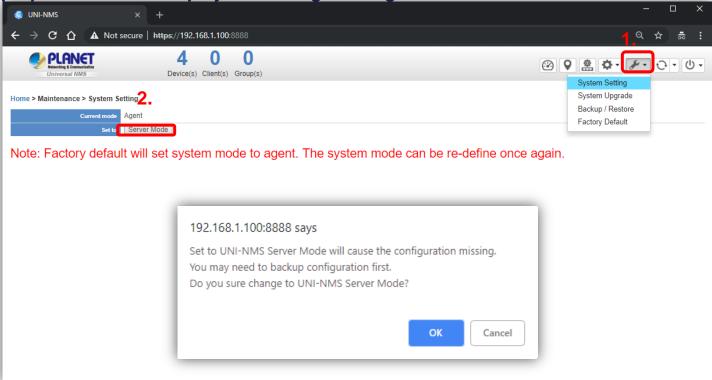




 Press the "Maintenance" icon shown below as No. 1 to make the system become to Server Mode.

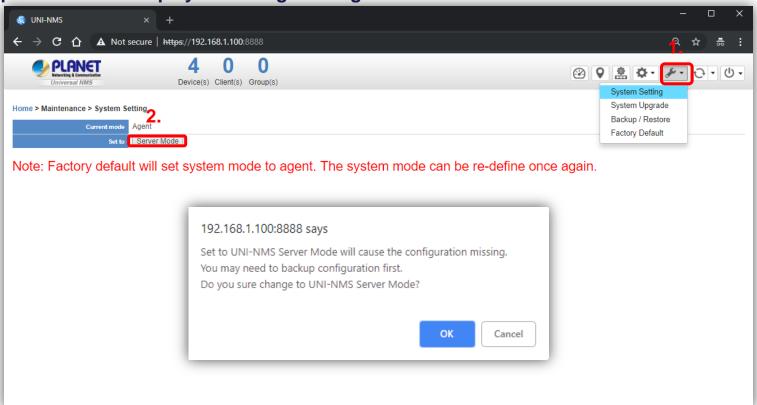
Press the "Server Mode" icon shown as No. 2 to start setting to the Server mode and a

pop-up window will display a warning message.



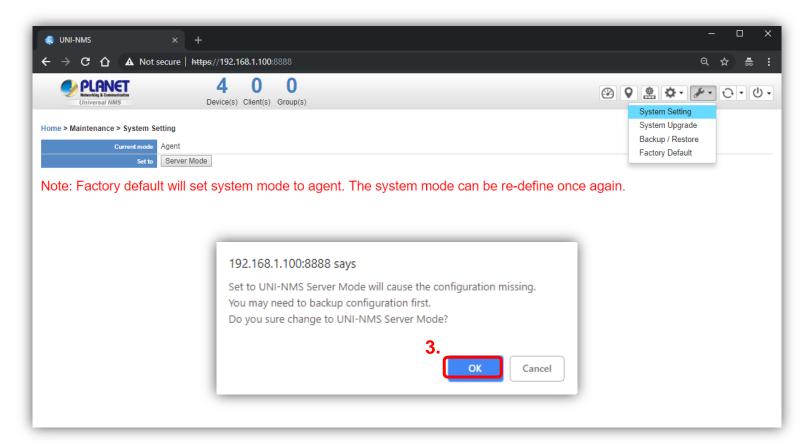


- Press the "Maintenance" icon shown below as No. 1 to make the system become Server Mode.
- Press the "Server Mode" icon shown as No. 2 to start setting to Server mode, and a popup window will display a warning message.



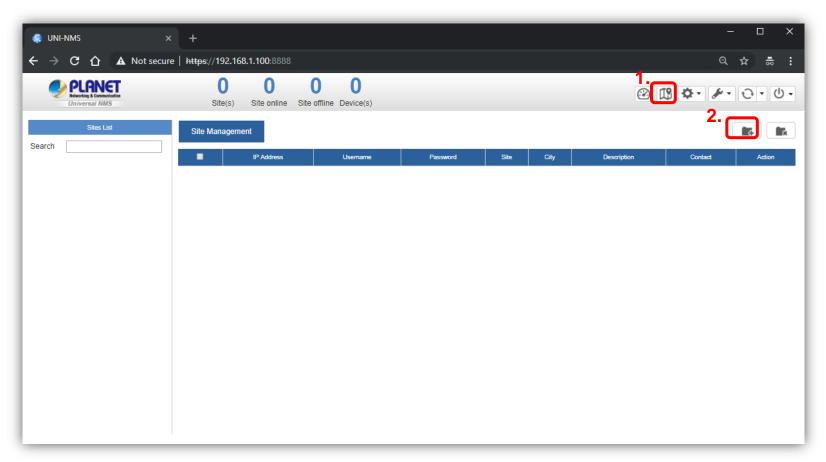


Press the "OK" icon shown below as No. 3 to start changing system to Server Mode.





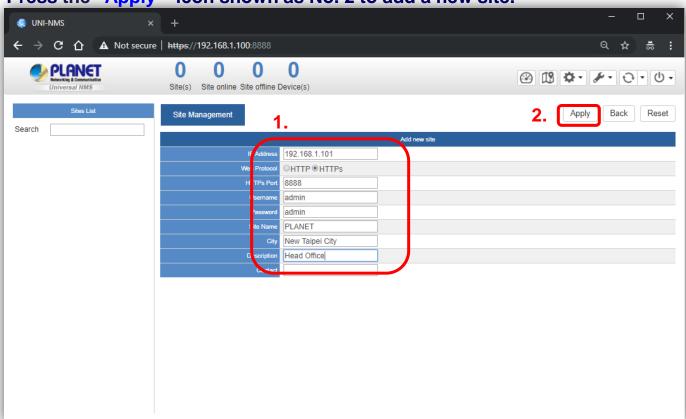
- Press the "Site" icon shown below as No. 1 to make the system become Server Mode.
- Press the "Add-New-Site" icon shown as No. 2 to add a different site to your network.





Fill out the fields to build a new site (shown below as No. 1)

Press the "Apply" icon shown as No. 2 to add a new site.



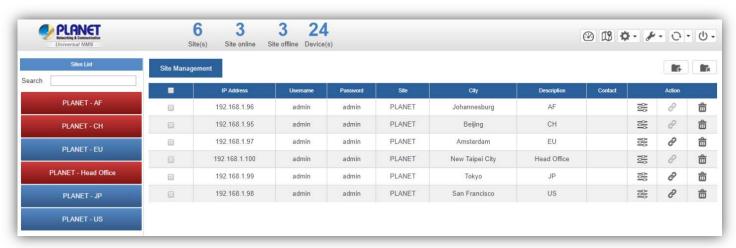


- After adding a new site, please wait for the system to be connected.
- **♦** The colored buttons show different statuses like:

Blue: connected

Red: disconnected

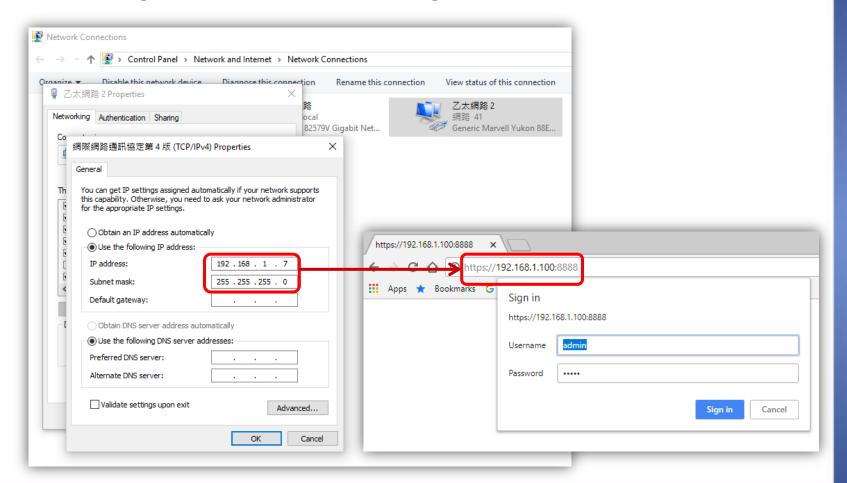
Gray: connecting



Press the colored button to see the detailed information.

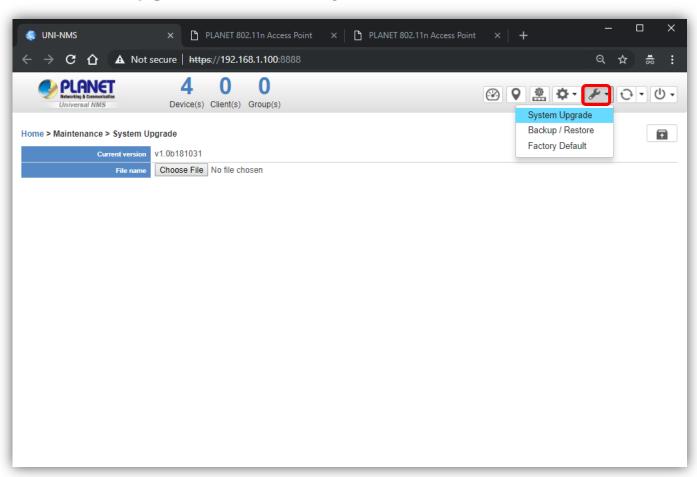


 UNI-NMS is set to the static IP: 192.168.1.100, so configure the network card to log in in the same network segment.



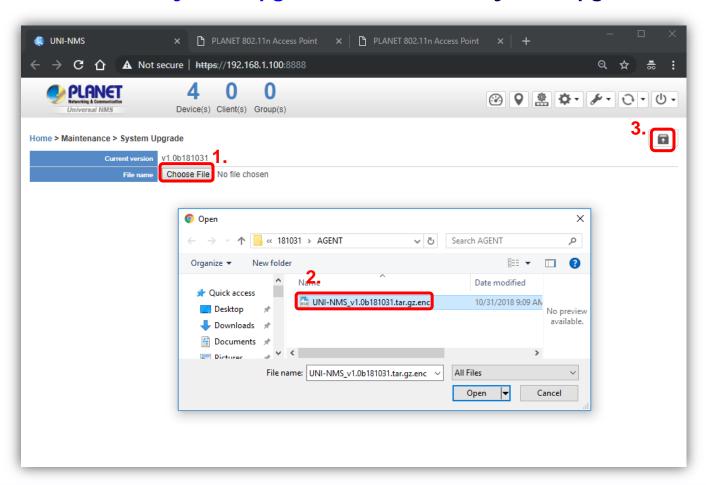


 Press the "Maintenance" icon to select "System Upgrade" to load patch file so as to upgrade UNI-NMS system.



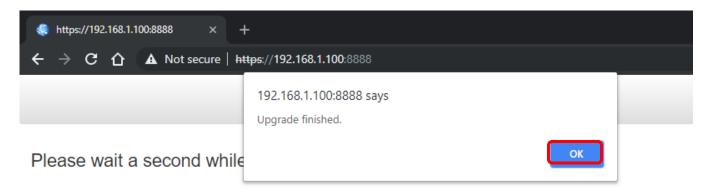


 On System Upgrade screen, select "UNI-NMS_xxx.enc" patch file and then click the "System Upgrade" icon to start system upgrade.



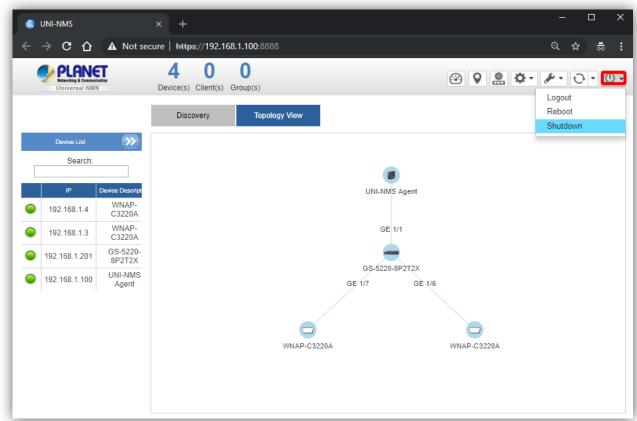


If System Upgrade is successful, Web UI will show "Upgrade finished."
 Press the OK button to go to the Dashboard page.



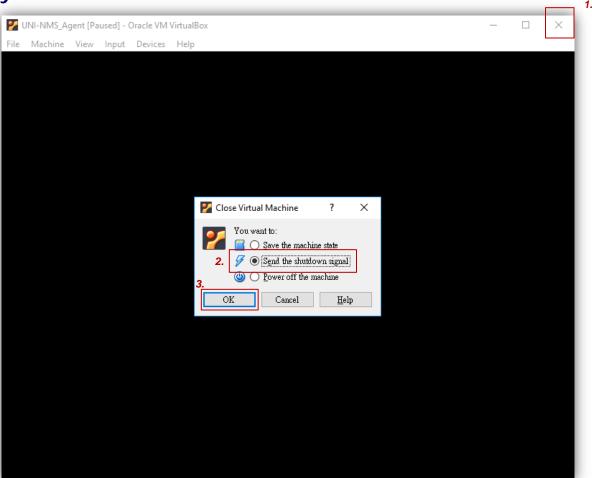


Press the "Exit" icon and select "Shutdown" to shut down the UNI-NMS system and VM; otherwise, it may cause the system to be abnormal at the next restart.



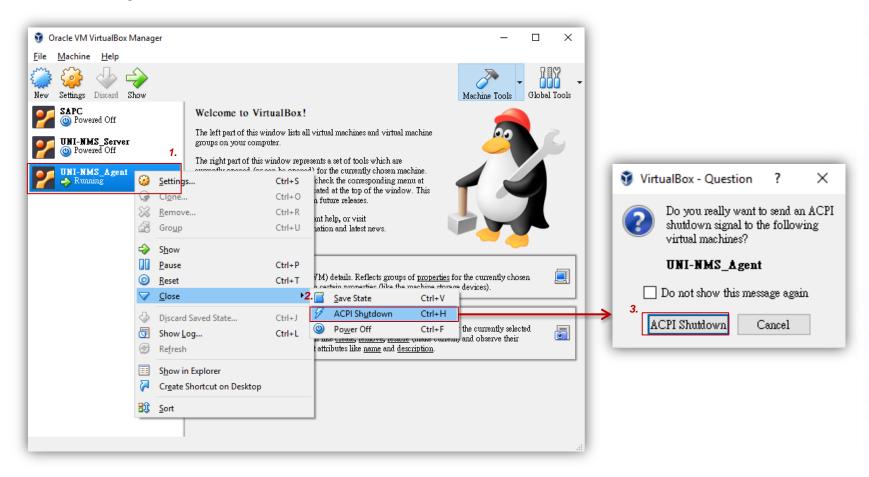


Do Not select "Power Off" to shut down the VM; otherwise, it may cause the system to be abnormal at the next restart.

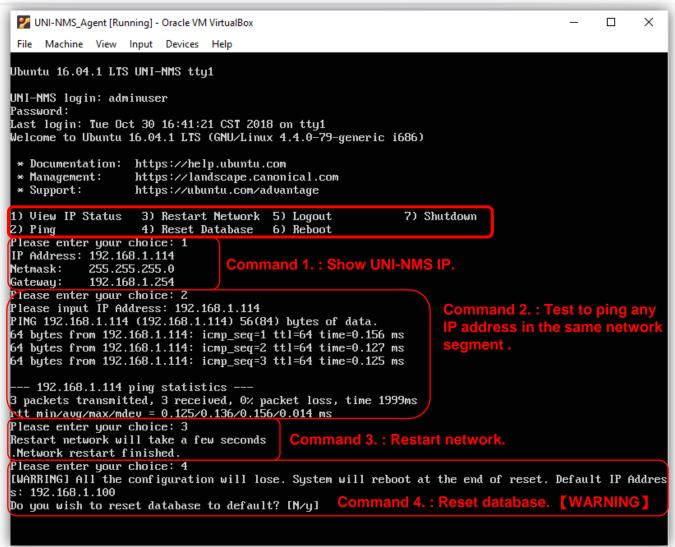




 Do Not select "Power Off" to shut down the VM; otherwise, it may cause the system to be abnormal at the next restart.









ACTIVATING IP POWER