PLANET Networking & Communication

Pioneer of IP Innovation

Software Installation Guide & Quick User Guide

PLANET UNI-NMS

Universal Network Management Software

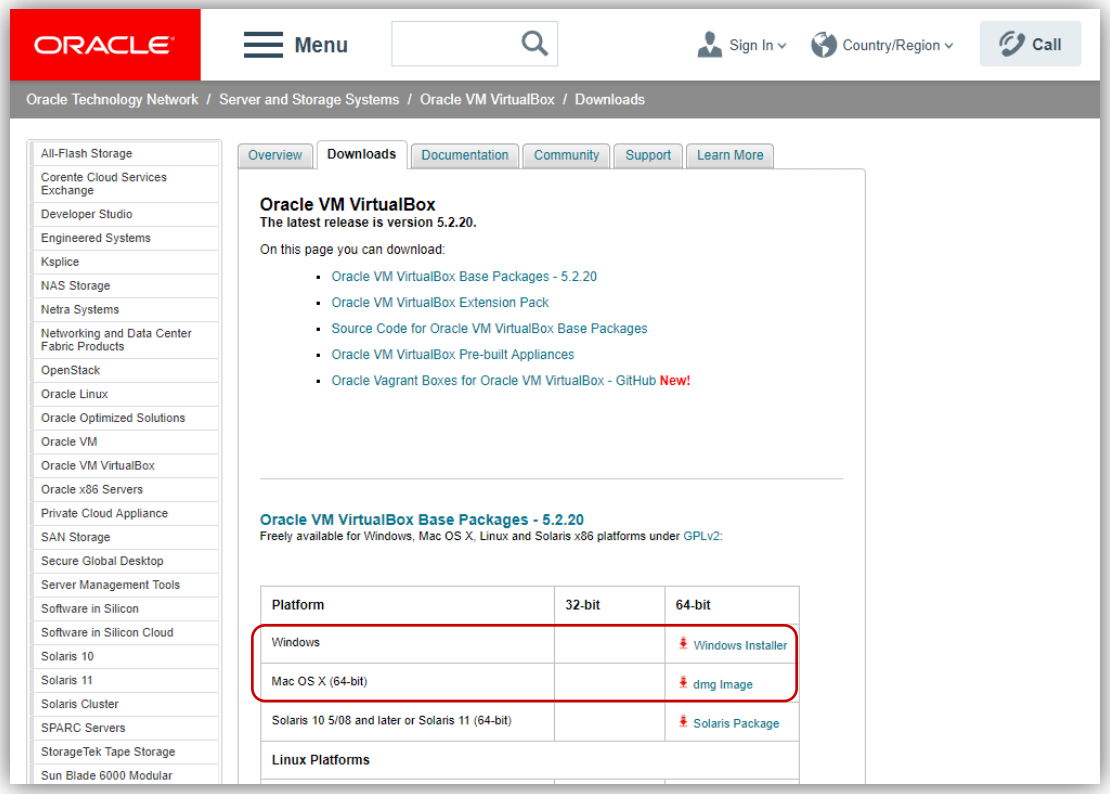
Node Discovery | Topology View | Site Mgmt | Event Report | Floor Map | Run on VBox

www.planet.com.tw

Installing VM VirtualBox

- **Download to install Oracle VM VirtualBox from Internet.**

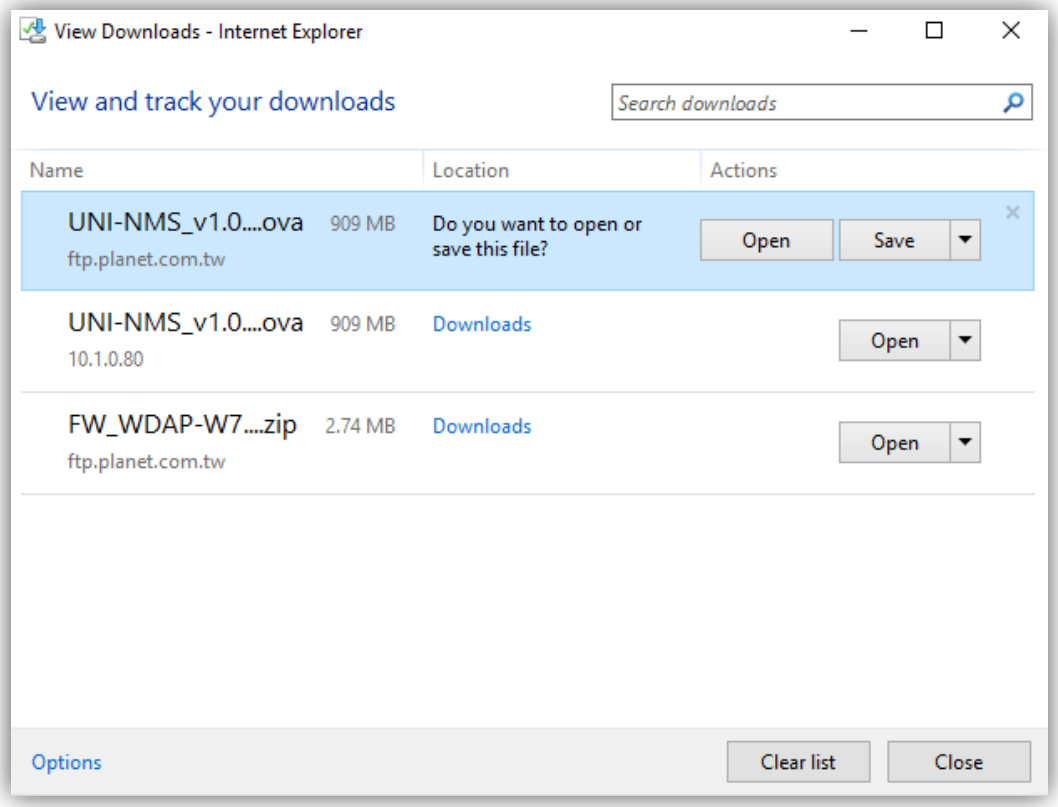
  Download Link (http://www.oracle.com/technetwork/server-storage/virtualbox/downloads/index.html)



Installing UNI-MNS

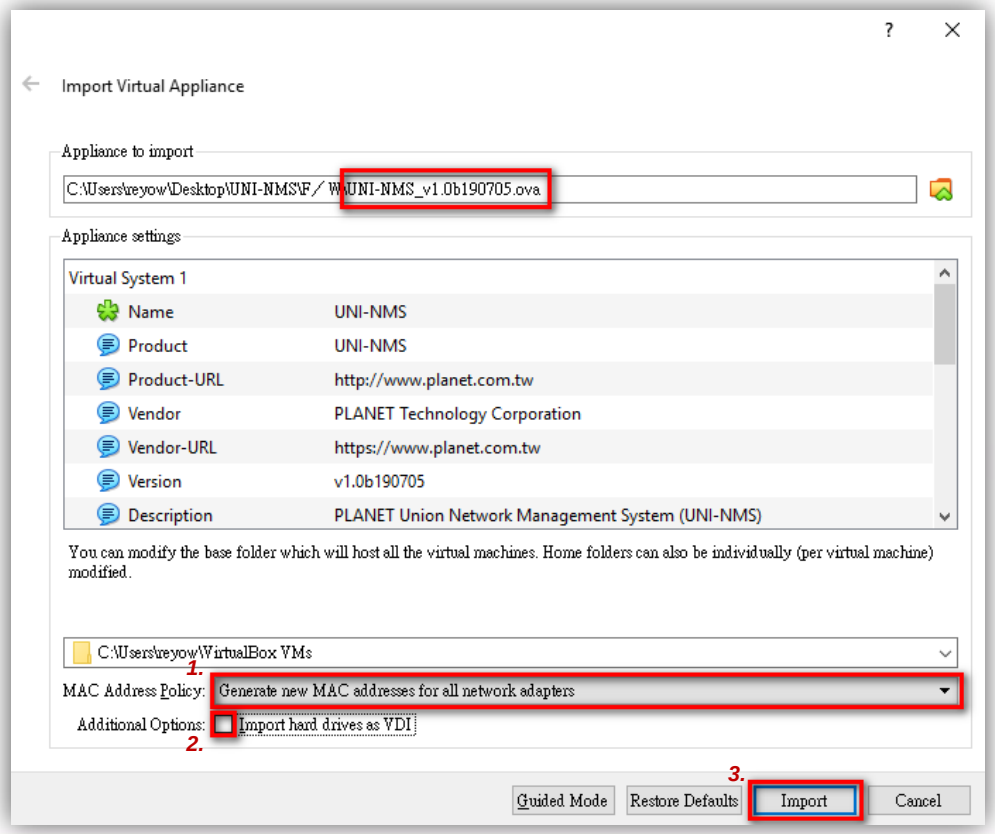
- **Select items from the menus to download UNI-NMS (UNI-NMS_v1.0b19705.ova.zip).**

Download Link



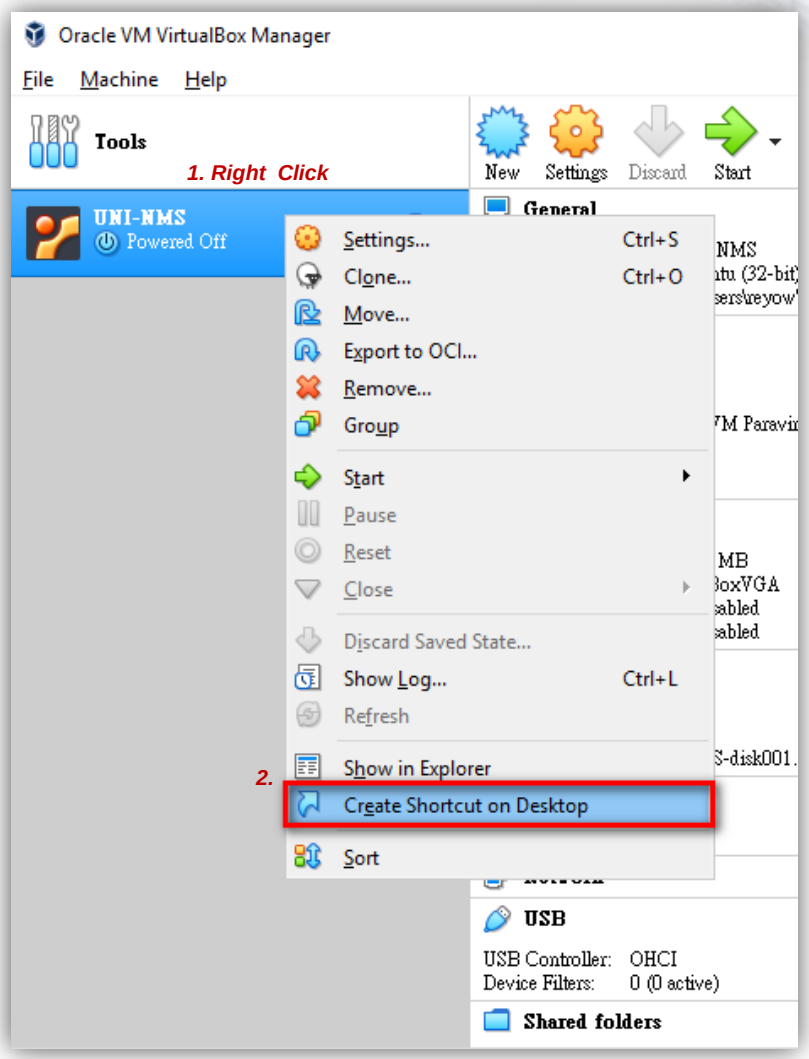
Importing UNI-NMS Software

- Double-click **"UNI-NMS_v1.0b190705.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 …



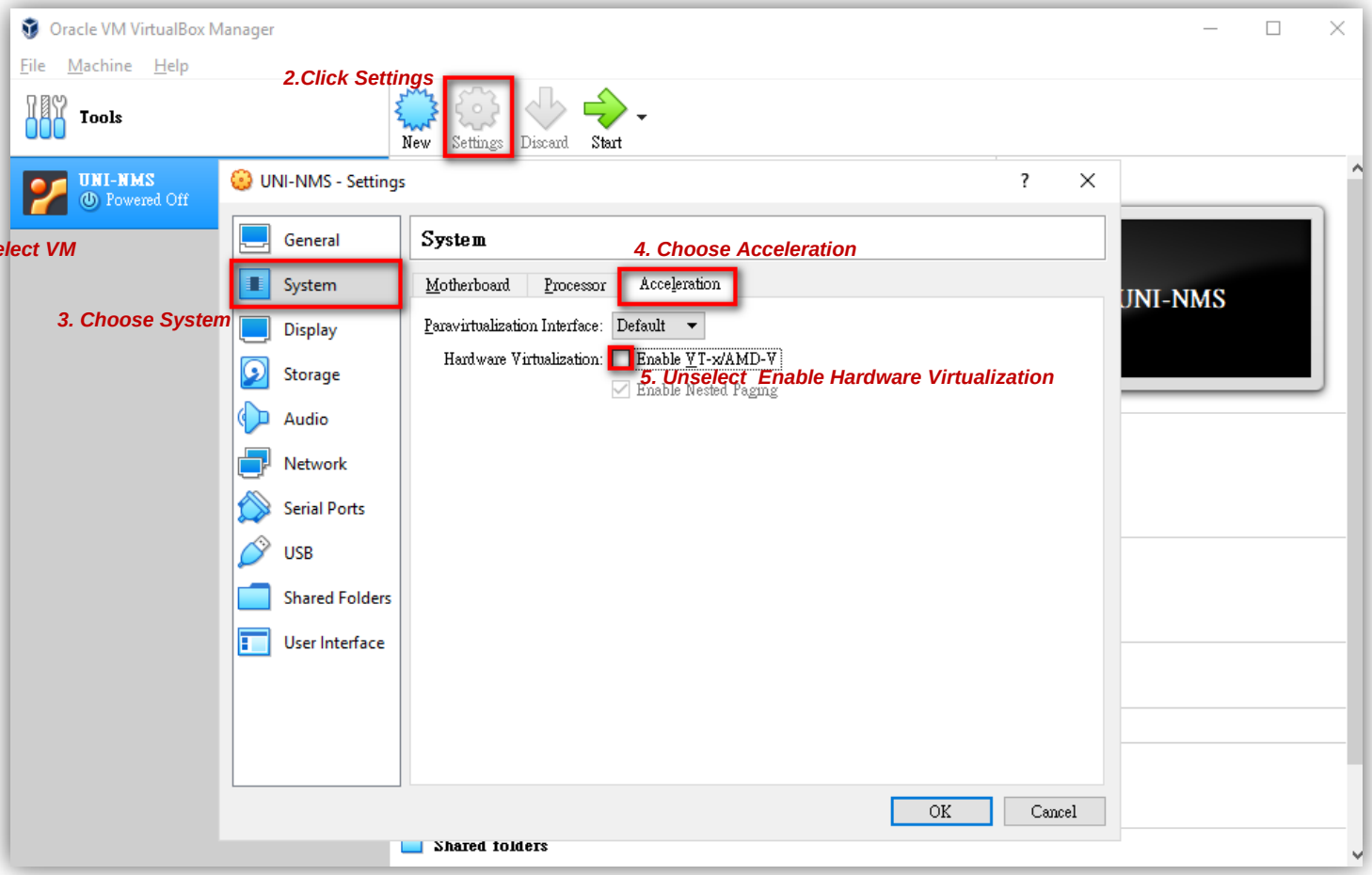
How to Set Up the Software

- Right-click “UNI-NMS”.
- Select “Create Shortcut on Desktop”.



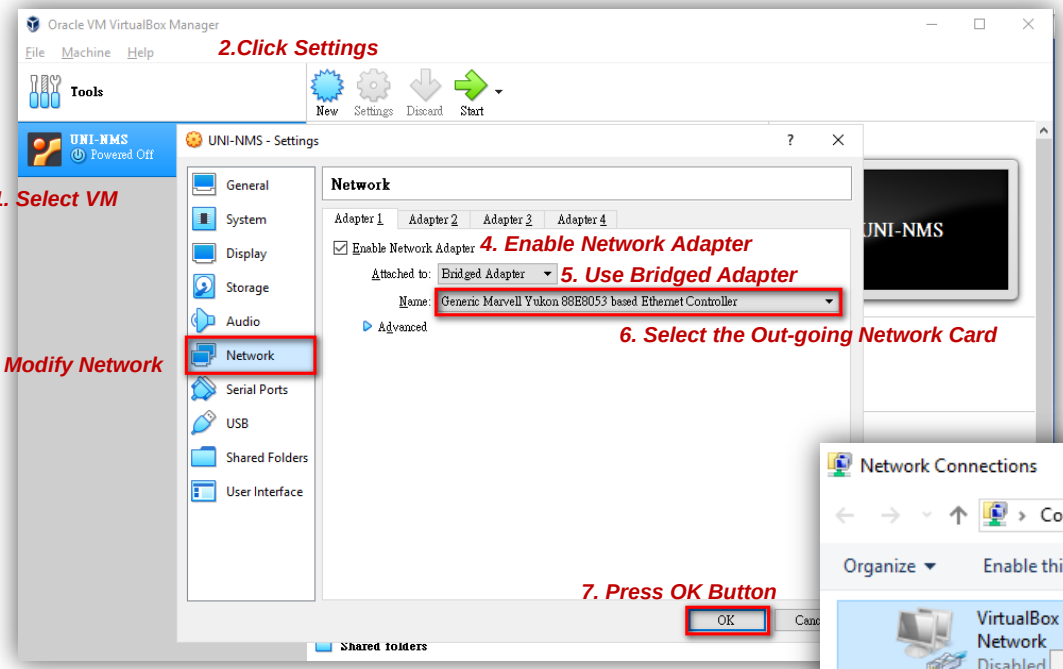
Setting Up VM Network Adapter

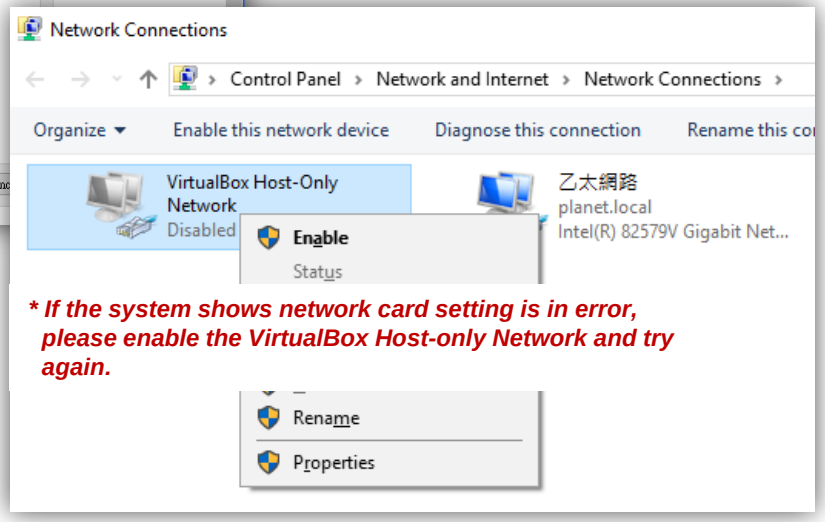
- **Unselect Enable Hardware Virtualization.**



Setting Up VM Network Adapter

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

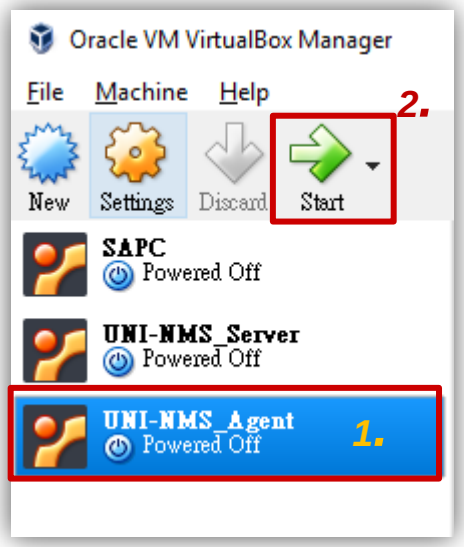




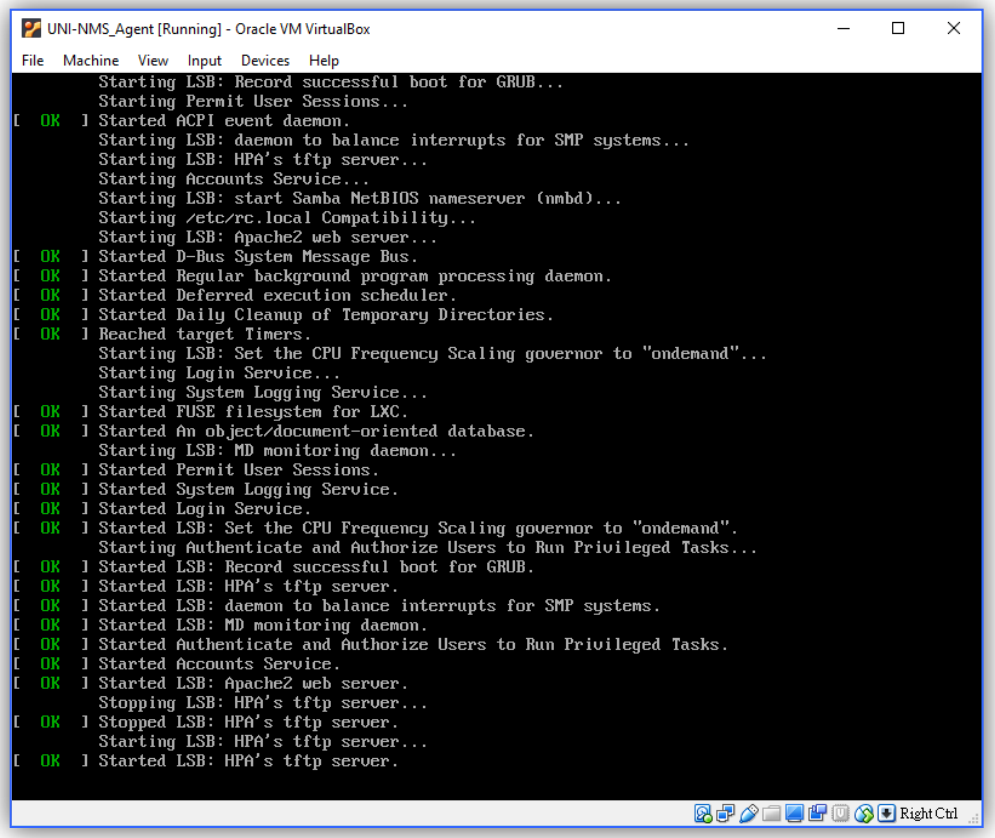
** If the system shows network card setting is in error, please enable the VirtualBox Host-only Network and try again.*

Running UNI-NMS Application

- **Select the VM.**
- **Press “Start” to run the UNI-NMS.**

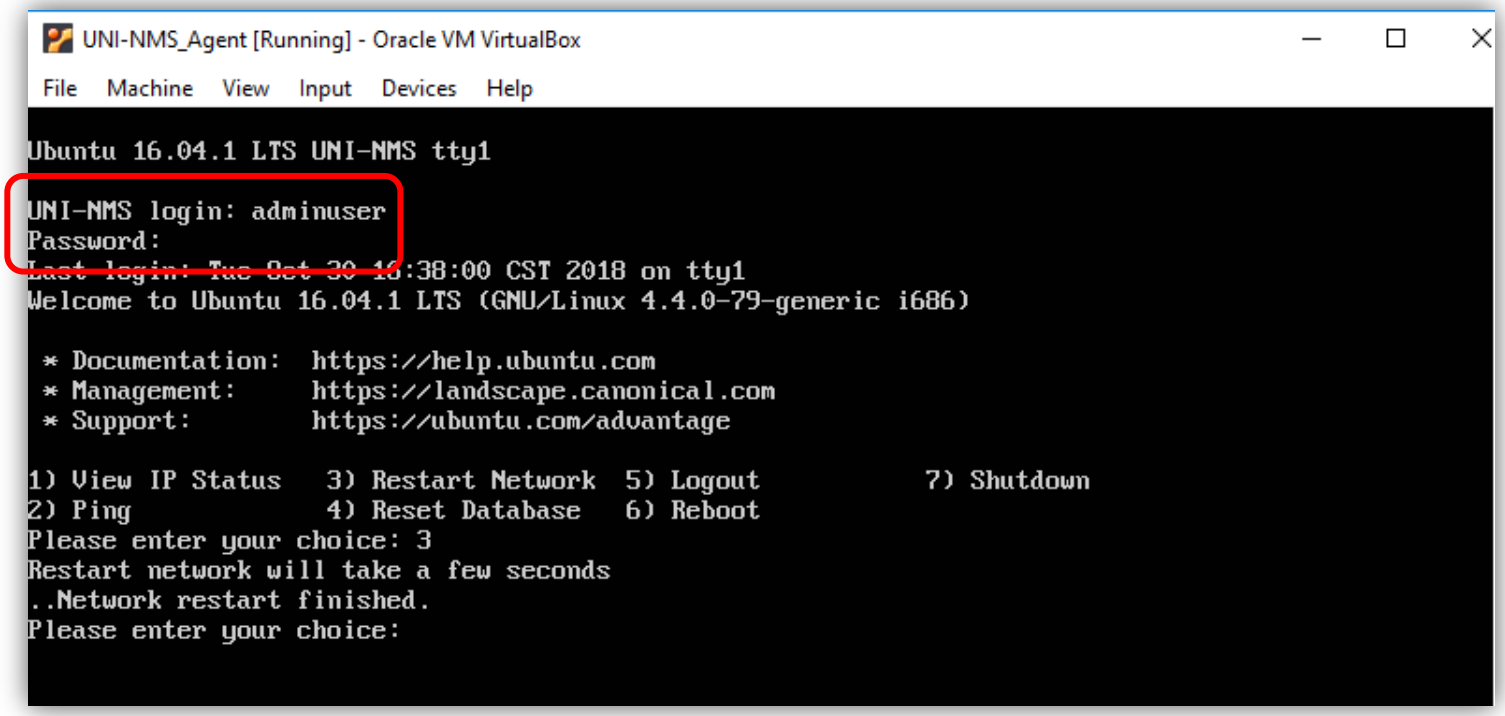


*Press the setting button to define the General Name of VM.



Running UNI-NMS Application

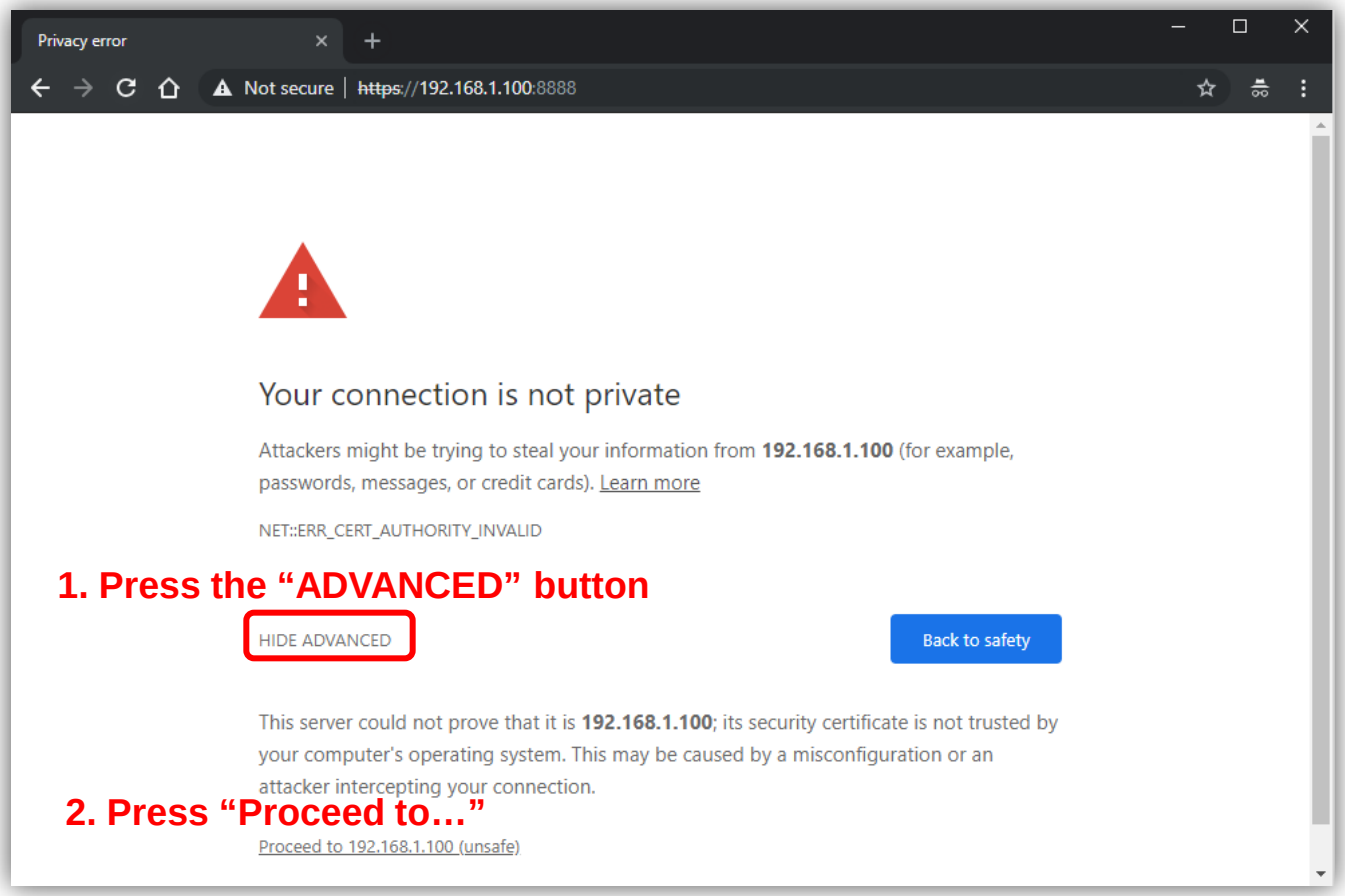
- **When the "UNI-NMS login" appears, please enter user login account "adminuser", and password "adminuser".**



- **When the "preferred command" appears, please enter "No.3" to restart network command. (It will not be necessary if you cannot be connected to UNI-NMS Web UI.)**

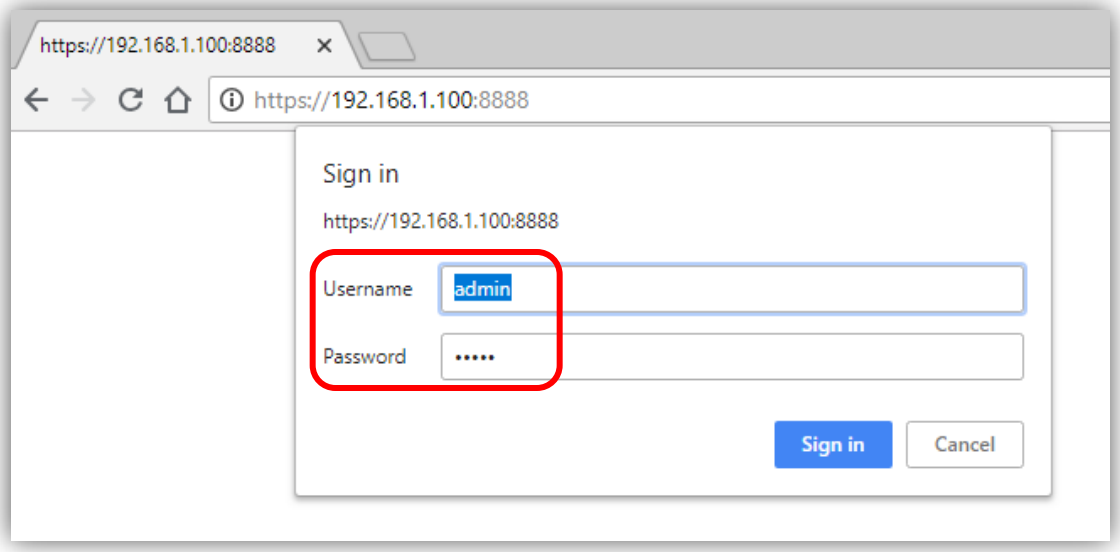
Logging in UNI-NMS

- Open Chrome to log in the UNI-NMS.
- Please use Chrome to get fully supported. (UI Resolution 1280 x 768)



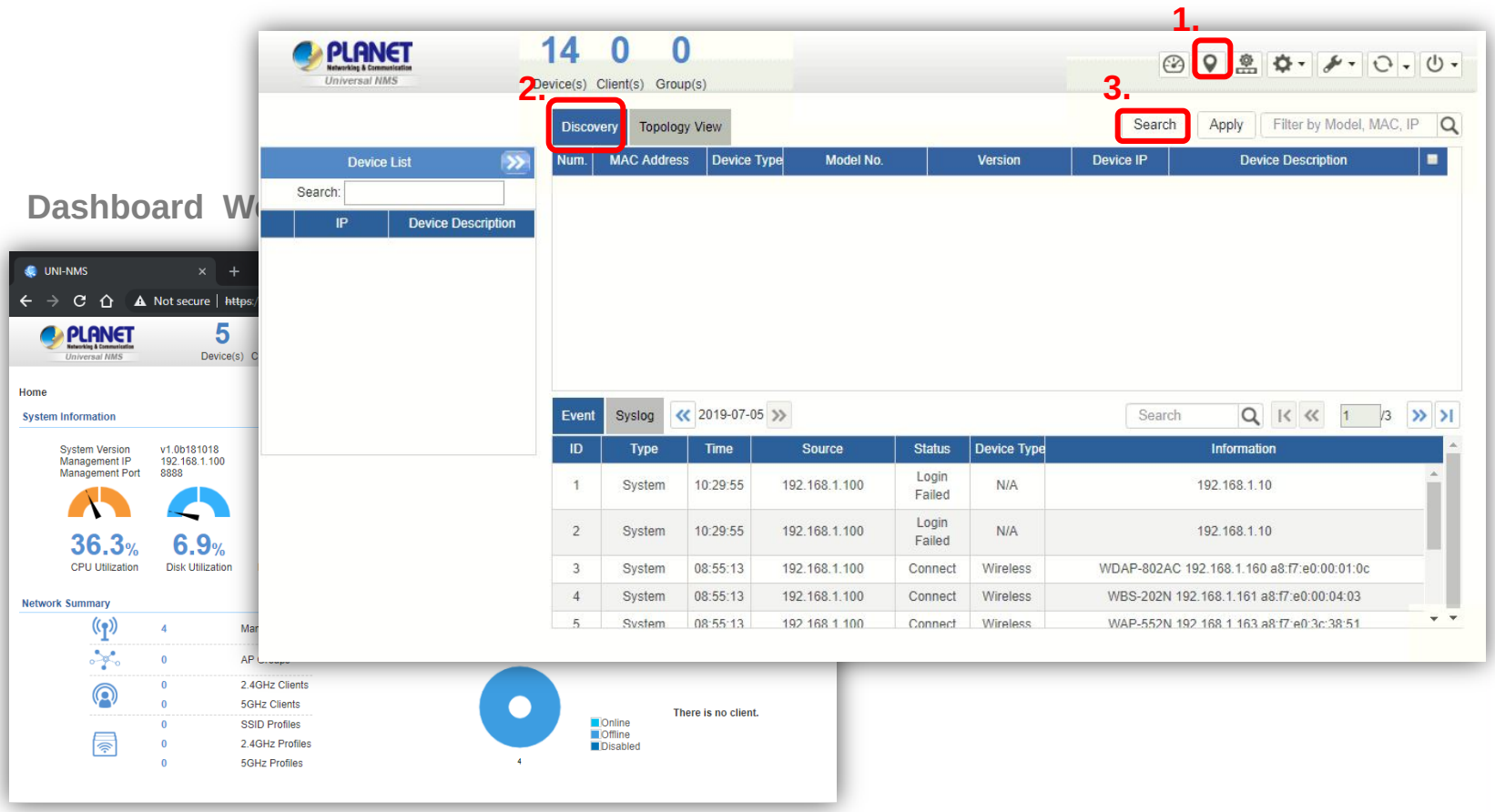
Logging in UNI-NMS

- **Username: admin**
- **Password: admin**



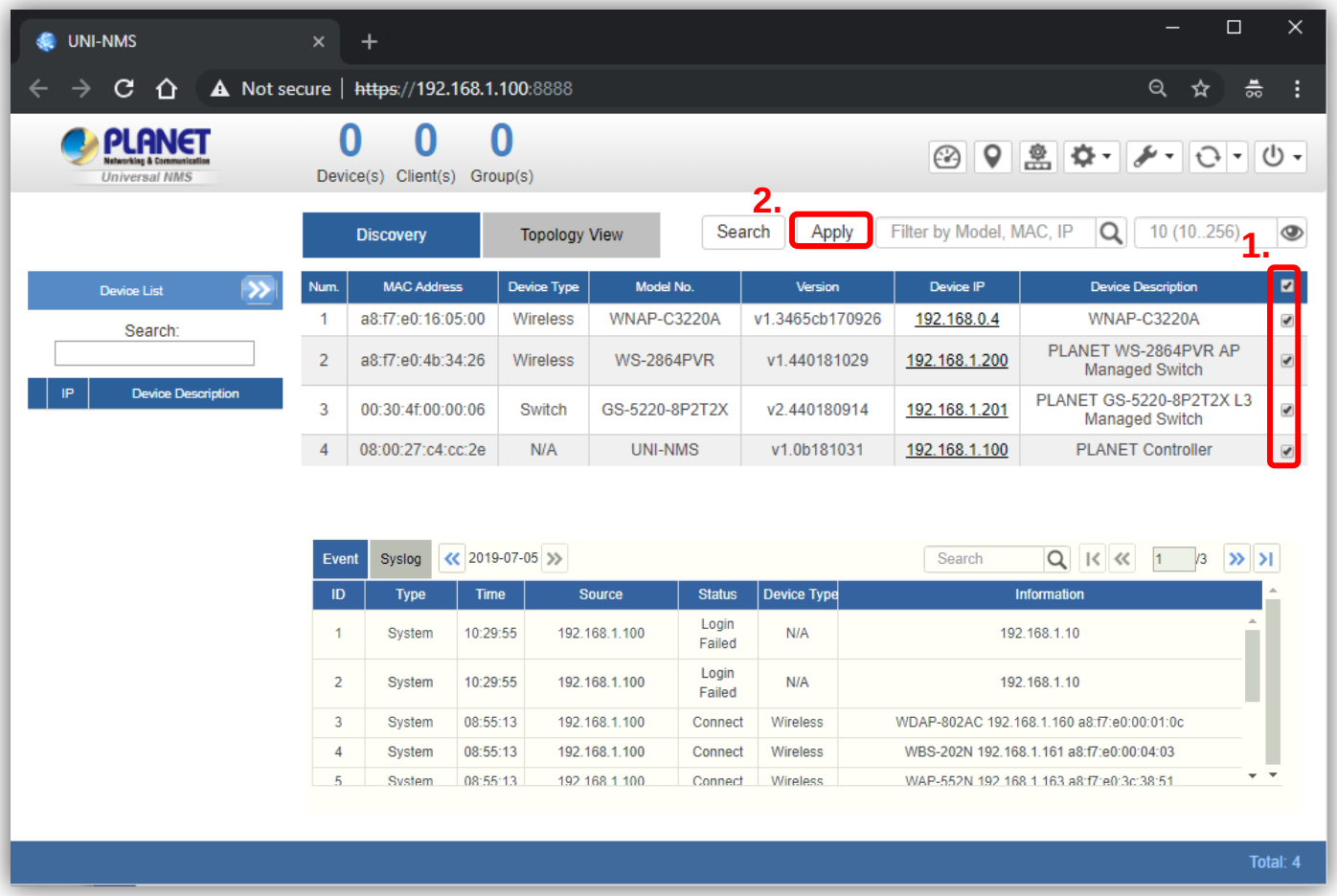
Logging in UNI-NMS and Discovery

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



UNI-NMS – Adding Devices to List

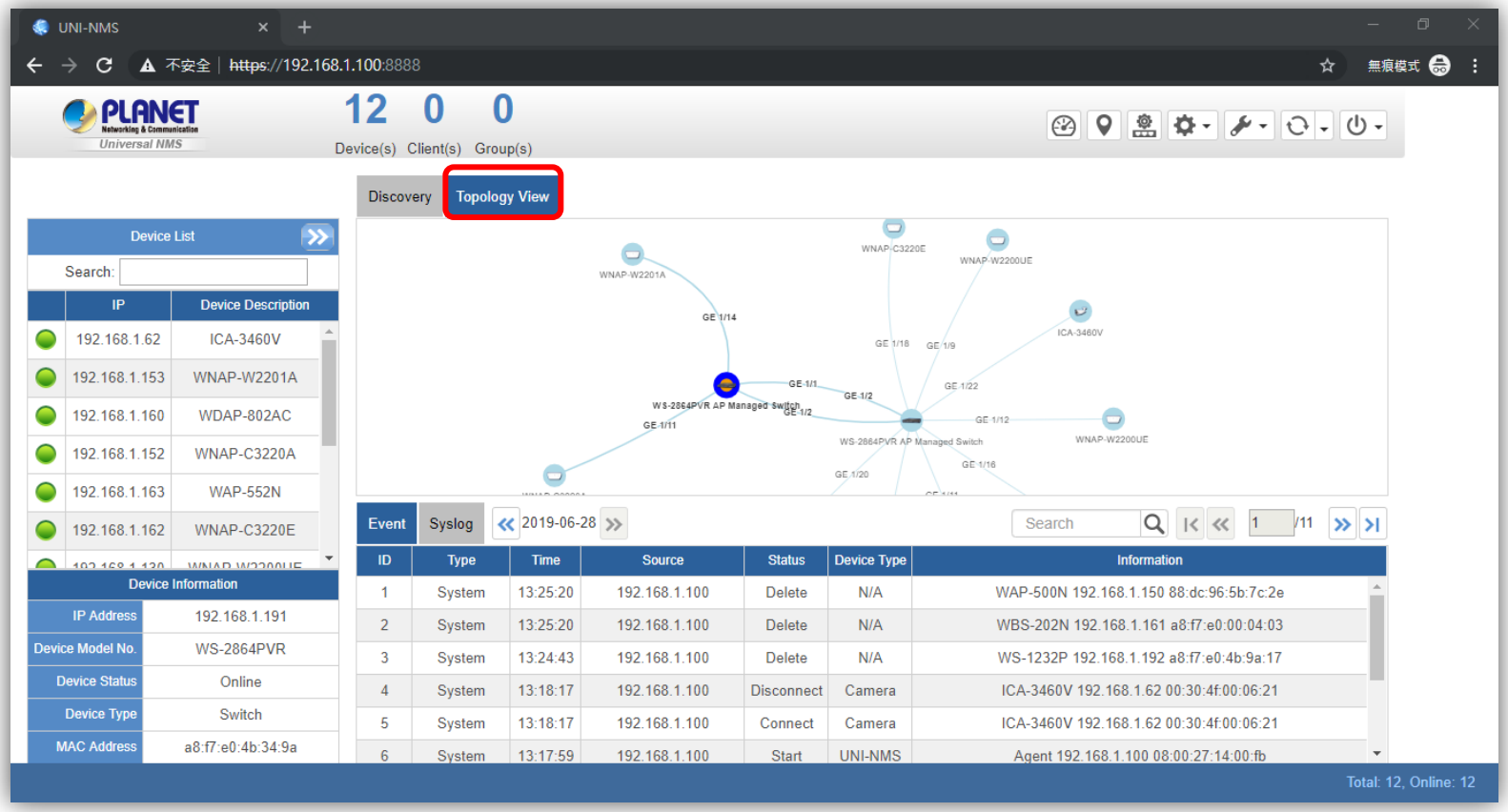
- Select devices (No. 1) by checking the boxes, and then press the "Apply" icon (No. 2) to add devices to management list.



UNI-NMS – Device List and Topology View

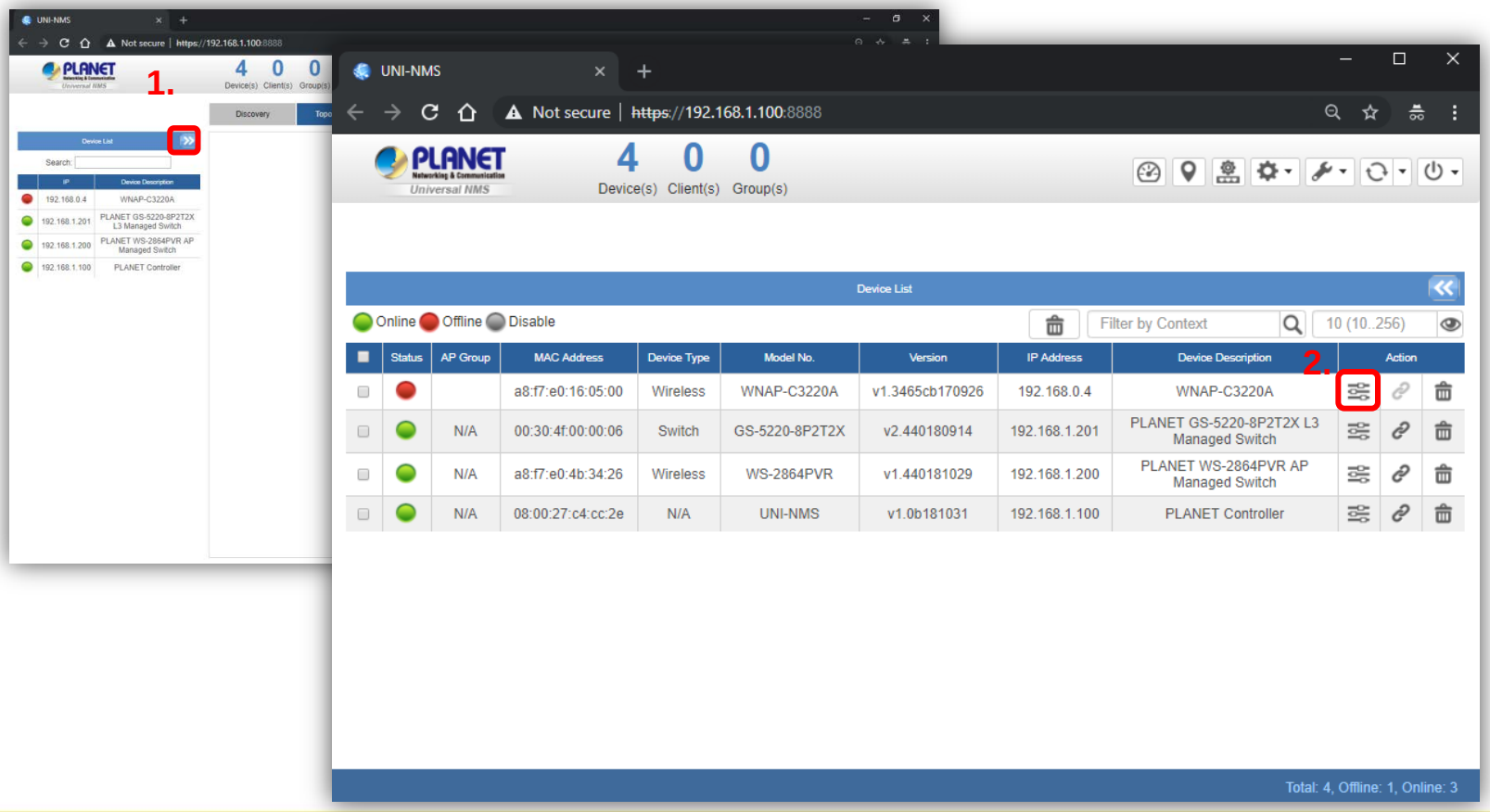
- Press "Topology View" to see the domain network topology after one minute.

※If you do not see the topology, please check devices to enable SNMP and LLDP function.



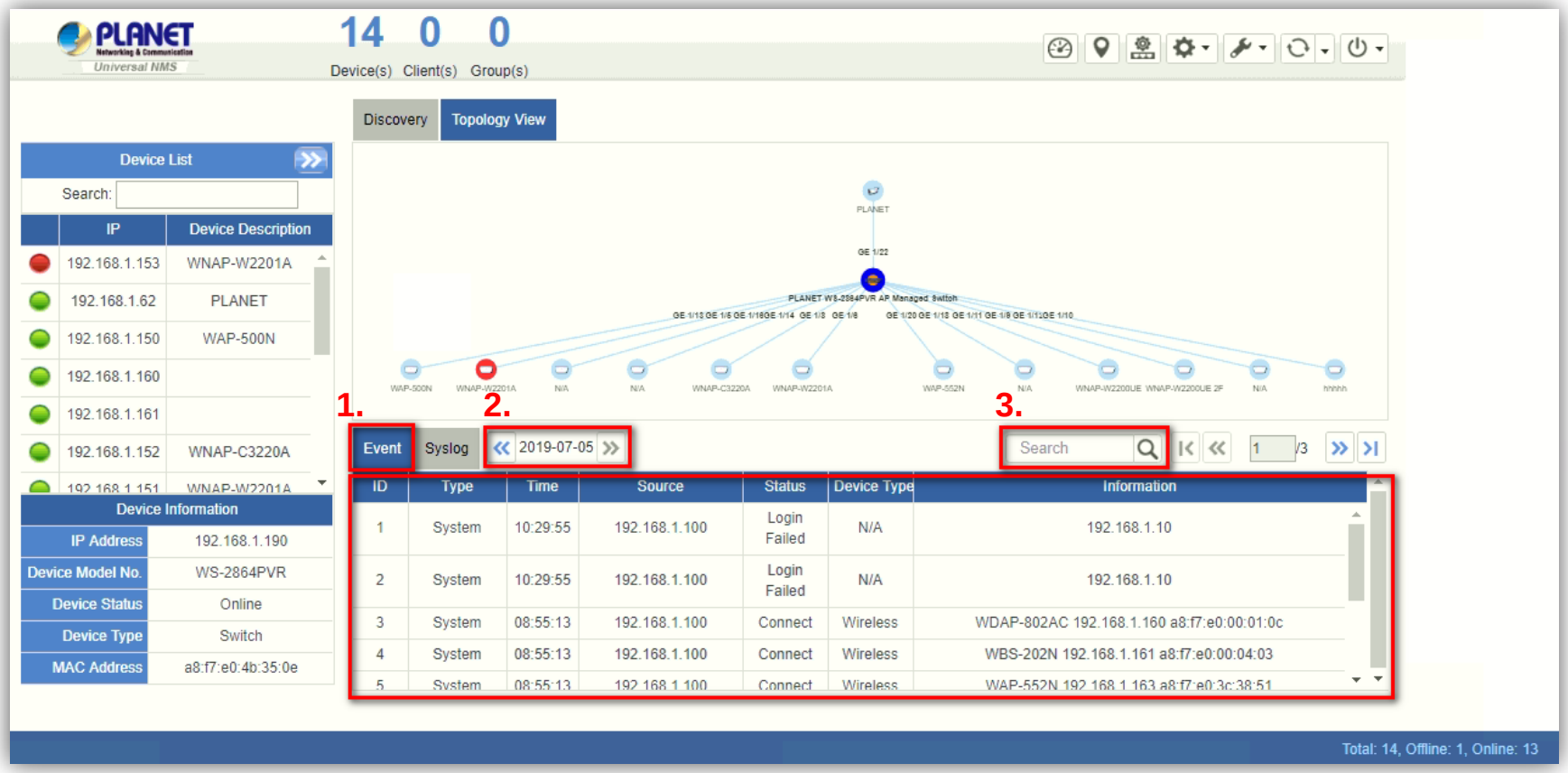
UNI-NMS – Device List and Topology View

- Press the “Double Arrow” icon (No. 1) to see the full managed devices information.
- Press the “Identification” icon (No. 2) to modify the device description, type, and web protocol information.



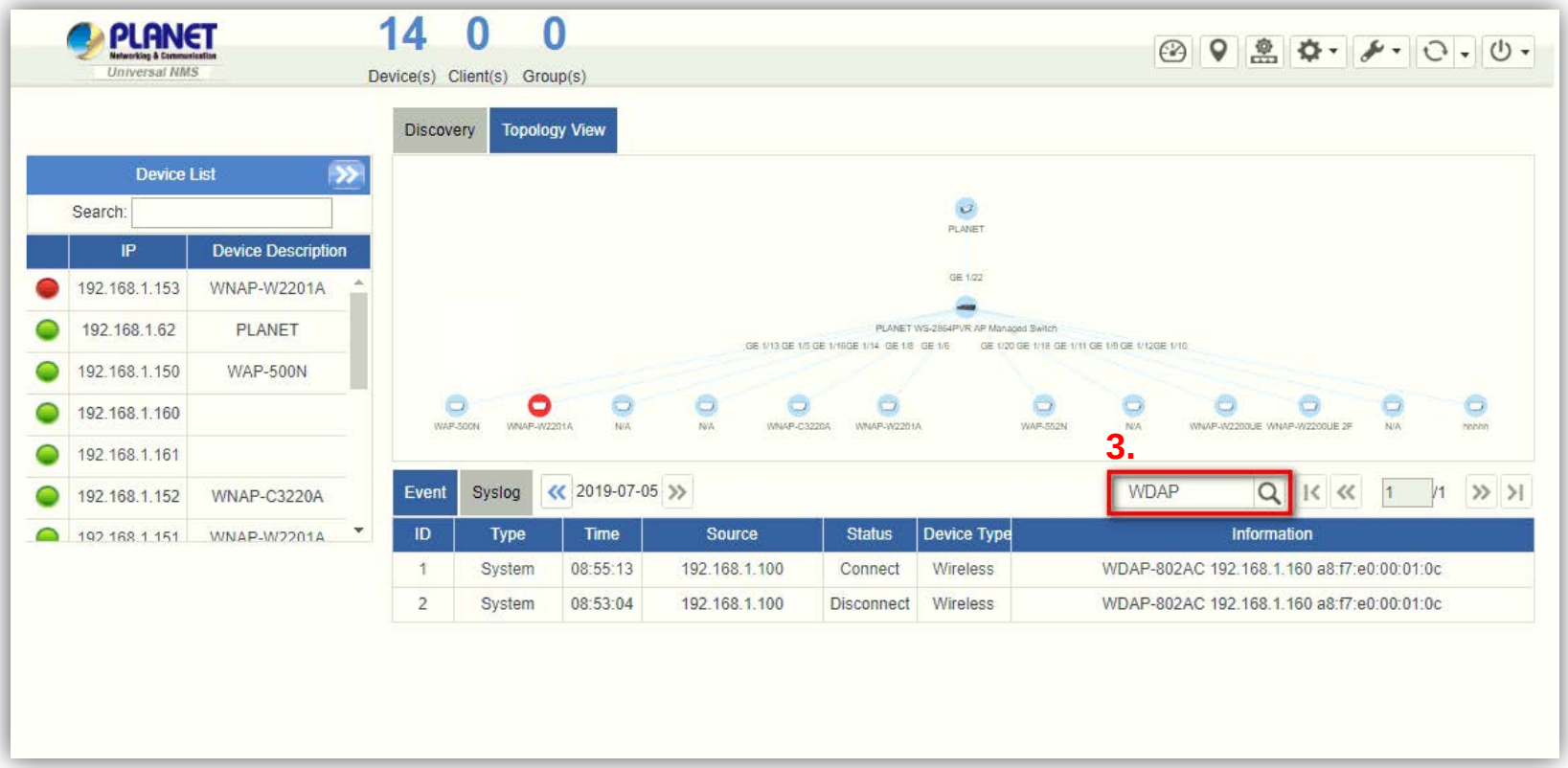
UNI-NMS – System Event

- Press the "Event" icon (No. 1) to see the full system event by day.
- Press the "<<"& ">>" icon (No. 2) to select daily report.



UNI-NMS – System Event

- Use "search" to choose the information you want by entering the key word .

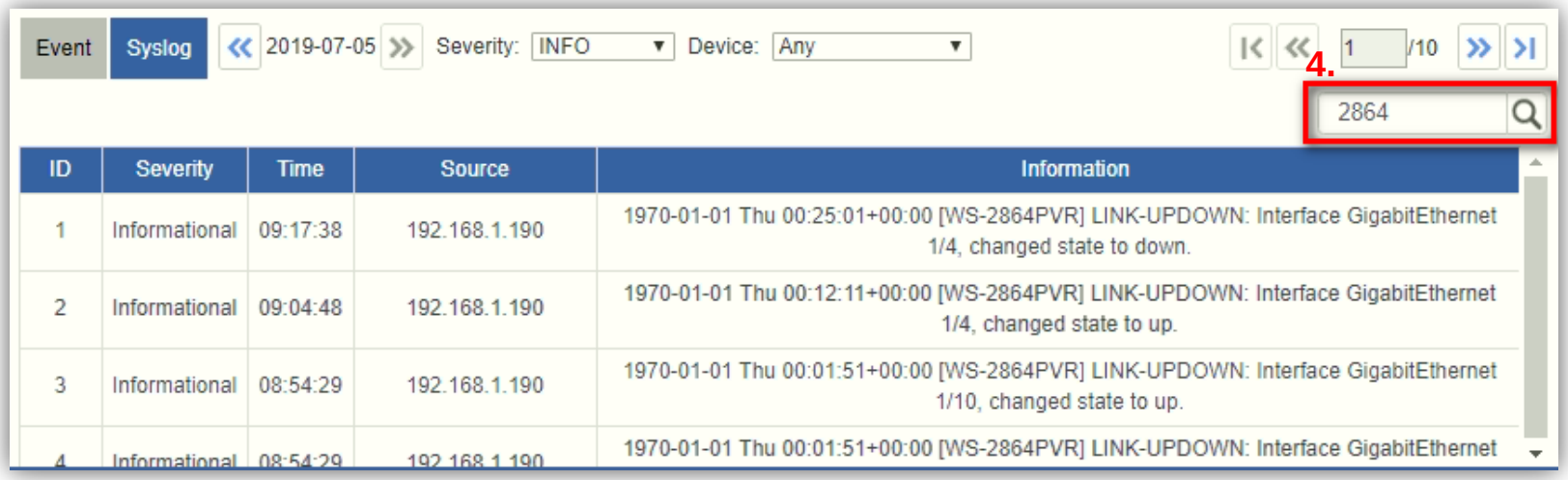


UNI-NMS – Syslog Server

- Press the “Syslog” icon (No. 1) to see the full syslog by day (Open the devices remote syslog function.).
- Press the “<<“& “>>” icon (No. 2) to select daily report.
- Press the “Drop-down ” menu (No. 3) to select severity and device ID.

UNI-NMS – System Event

- Use **Search** to choose the information you want by entering the key word.

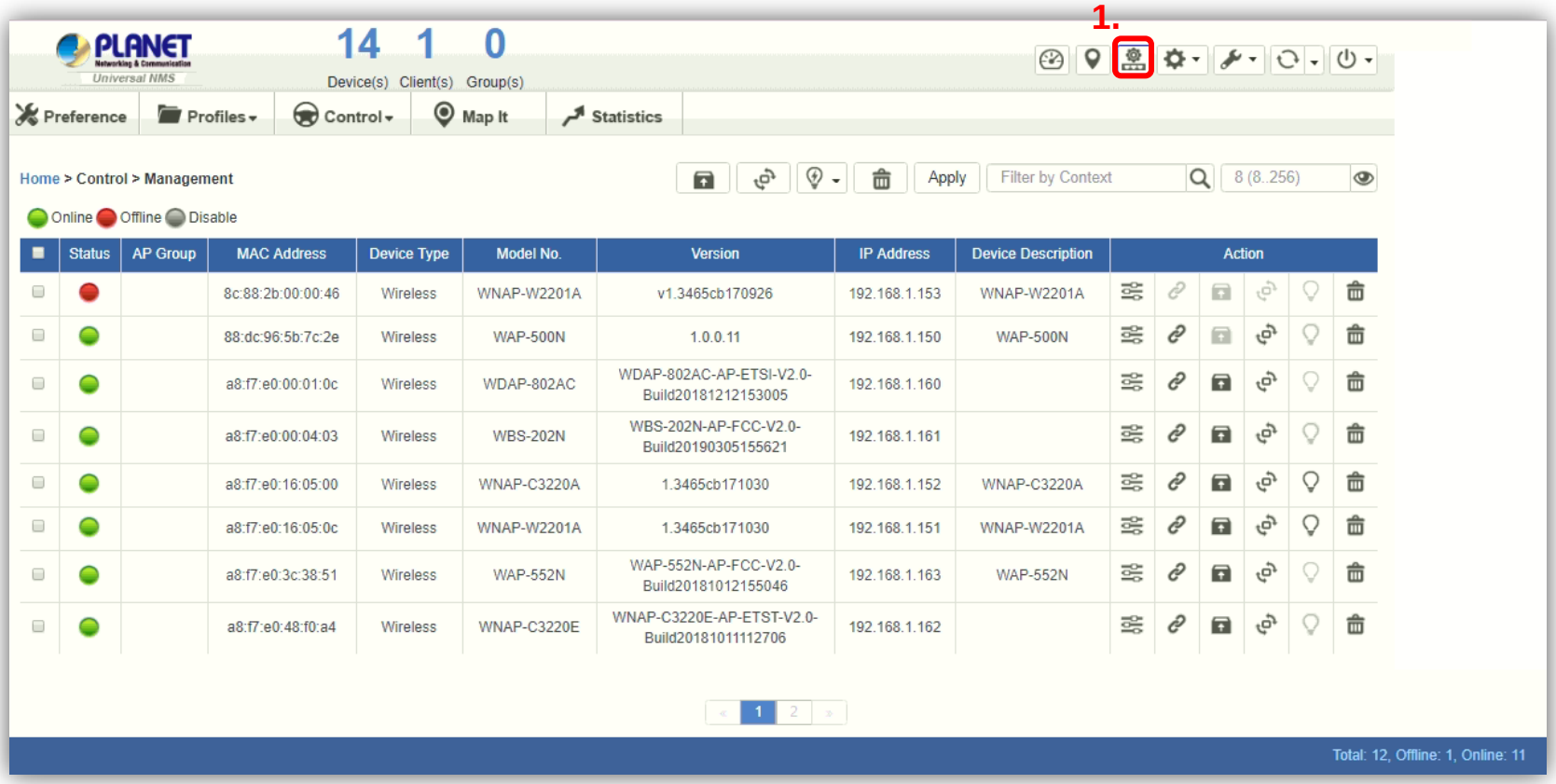


ID	Severity	Time	Source	Information
1	Informational	09:17:38	192.168.1.190	1970-01-01 Thu 00:25:01+00:00 [WS-2864PVR] LINK-UPDOWN: Interface GigabitEthernet 1/4, changed state to down.
2	Informational	09:04:48	192.168.1.190	1970-01-01 Thu 00:12:11+00:00 [WS-2864PVR] LINK-UPDOWN: Interface GigabitEthernet 1/4, changed state to up.
3	Informational	08:54:29	192.168.1.190	1970-01-01 Thu 00:01:51+00:00 [WS-2864PVR] LINK-UPDOWN: Interface GigabitEthernet 1/10, changed state to up.
4	Informational	08:54:29	192.168.1.190	1970-01-01 Thu 00:01:51+00:00 [WS-2864PVR] LINK-UPDOWN: Interface GigabitEthernet

Software AP Controller

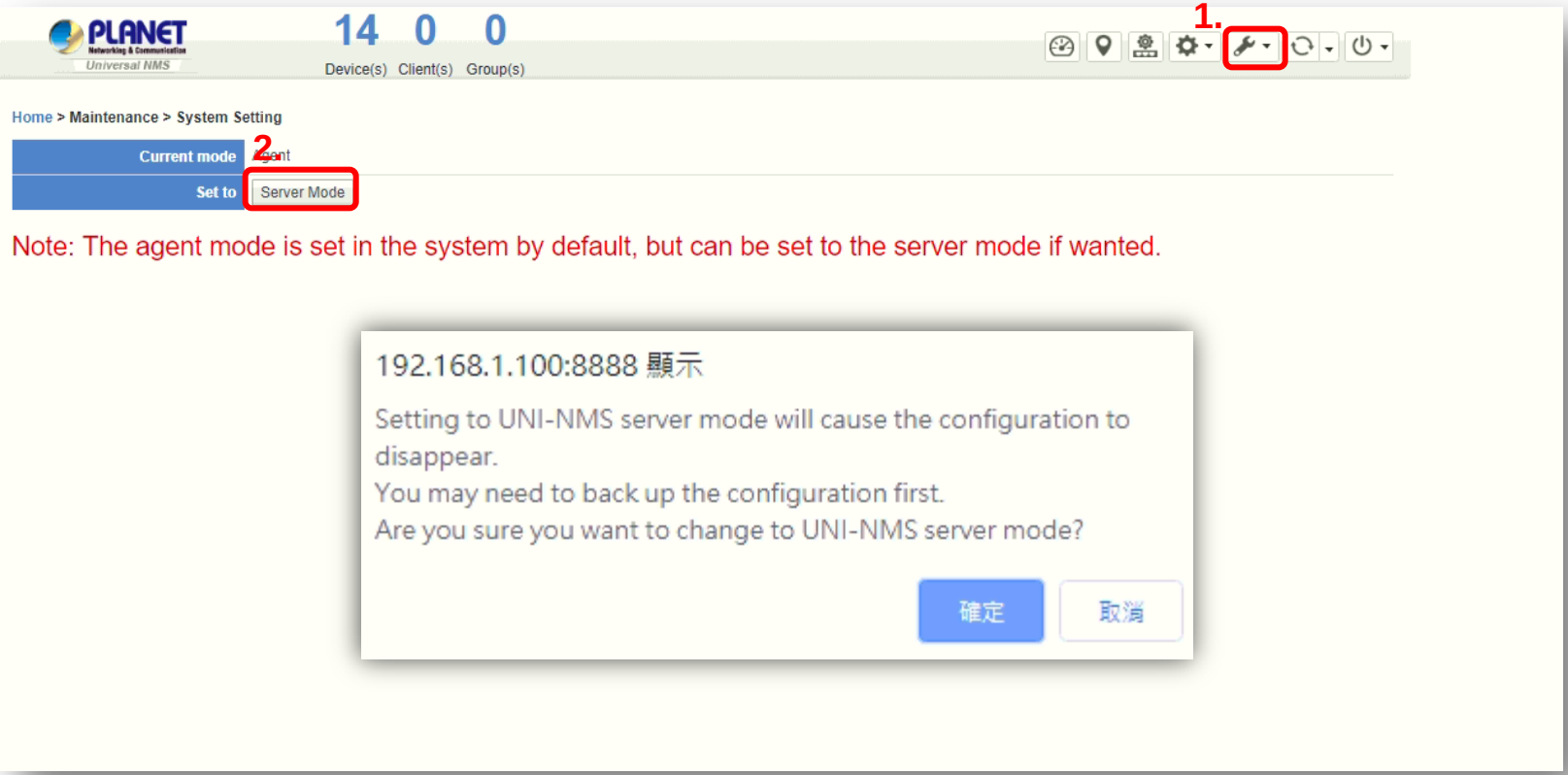
- **Press the "AP control" icon (No. 1) to use AP control function.**

  ※How to operate. Refer to SAPC user's manual : "Configuration Guide"



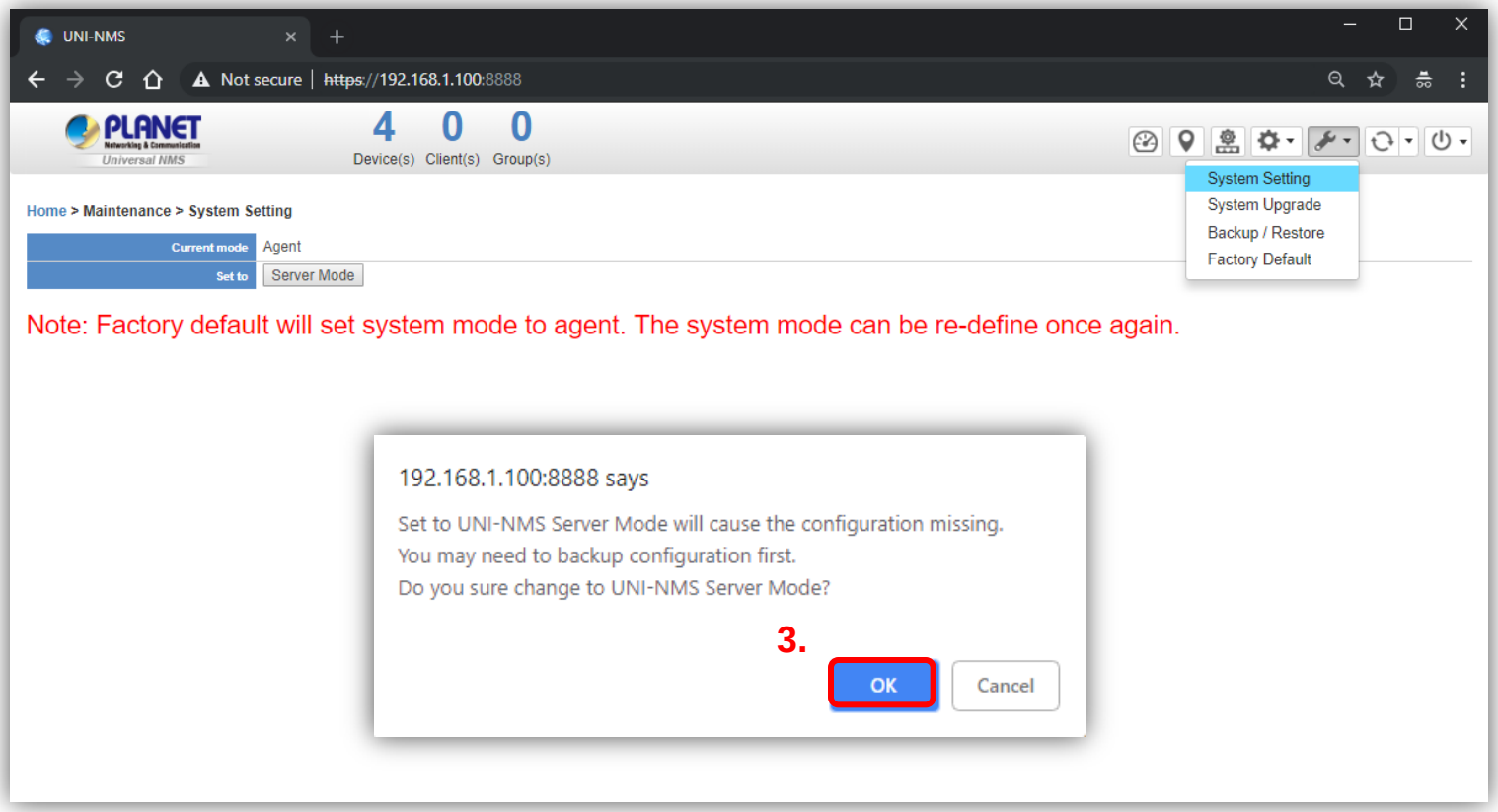
Server Setting

- Press the "Maintenance" icon (No. 1) to make the system become Server Mode.
- Press the "Server Mode" icon (No. 2) to start setting to the Server mode and a pop-up window will display a warning message.



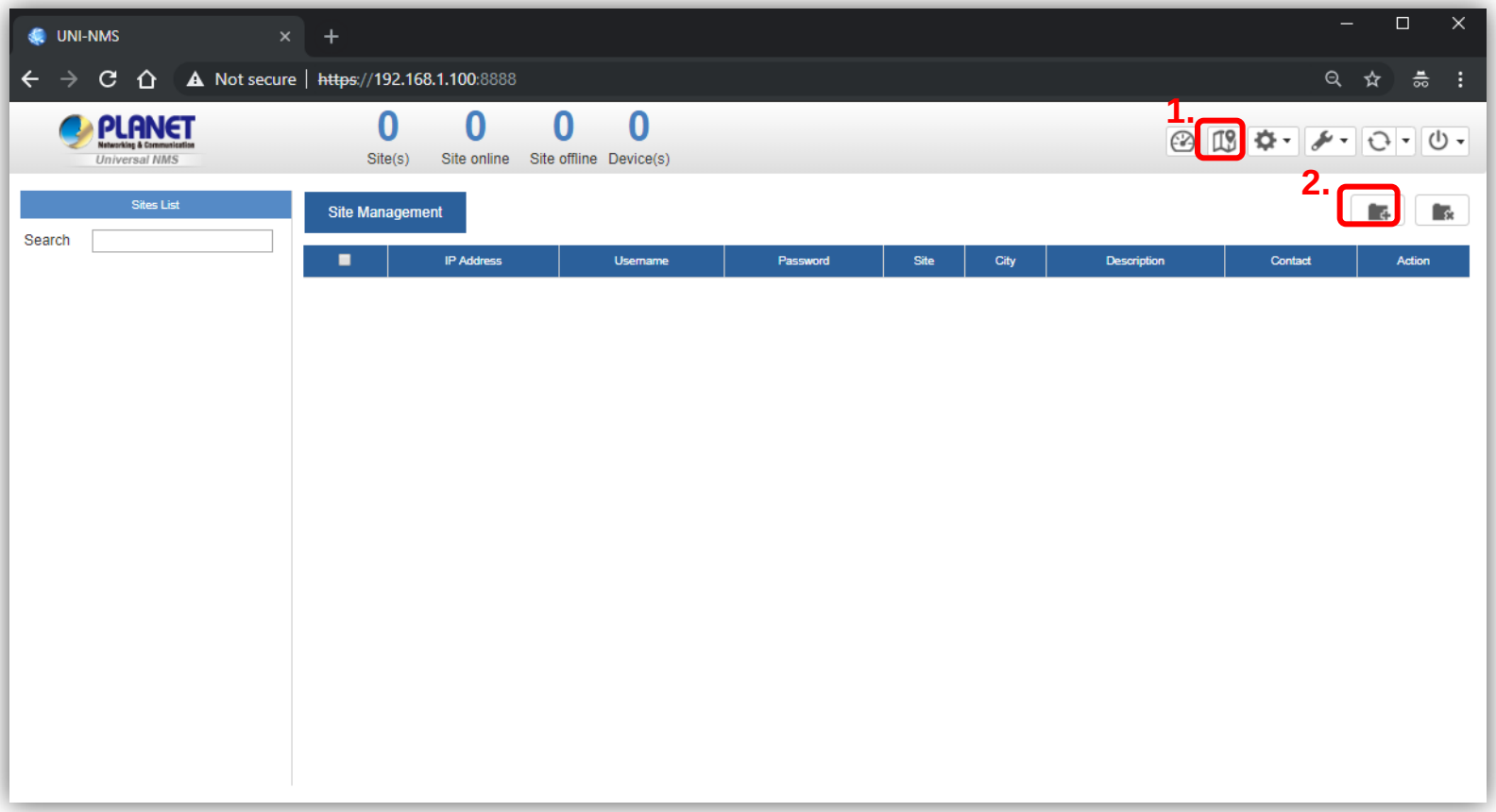
Server Setting

- **Press the "OK" icon to start changing system to Server Mode.**



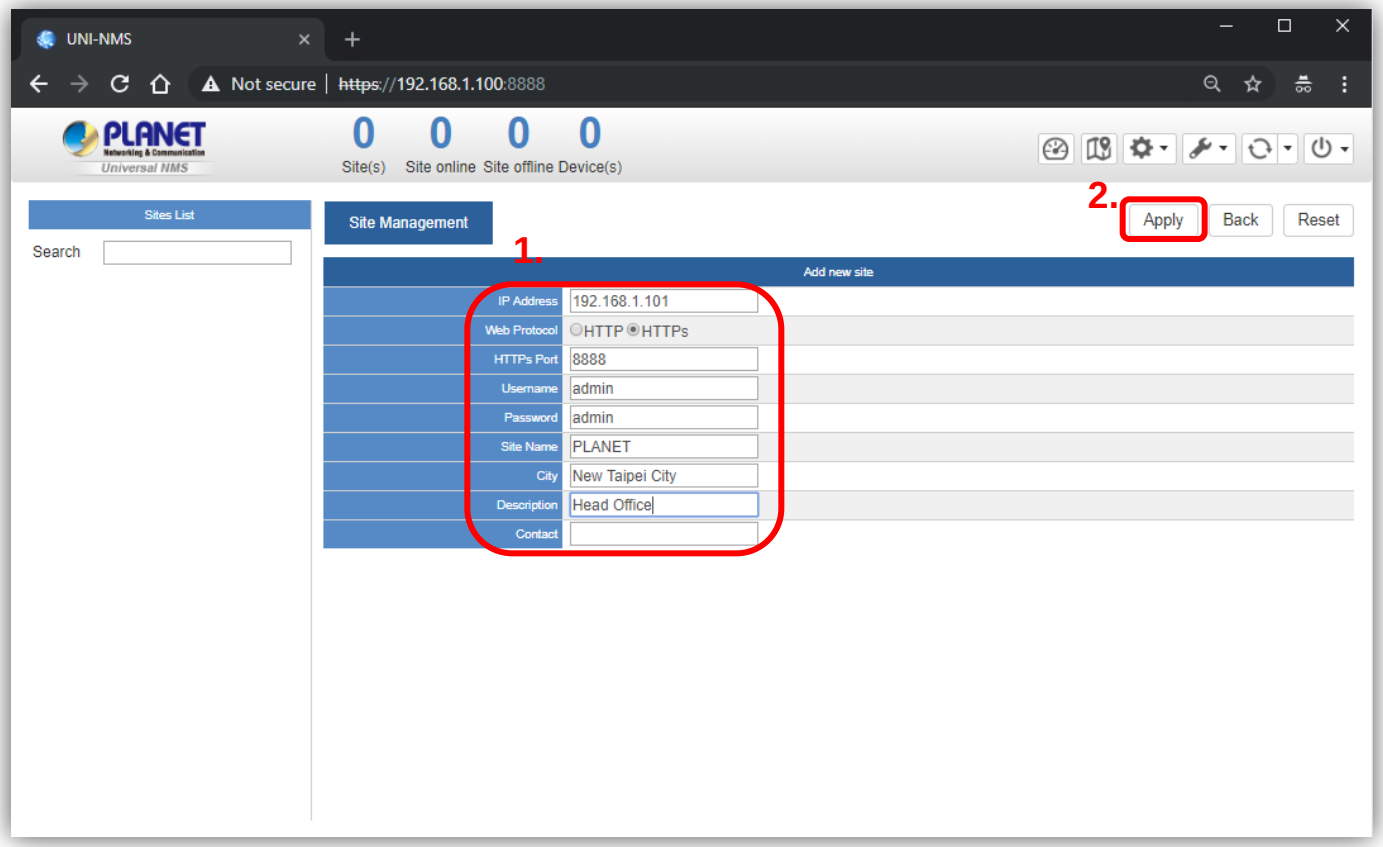
Server Setting

- Press the “Site” icon (No. 1) to make the system become Server Mode.
- Press the “Add-New-Site” icon (No. 2) to add a different site to your network.



Adding a New Site

- Fill out the fields to build a new site.
- Press the "Apply" icon (No. 2) to add a new site.



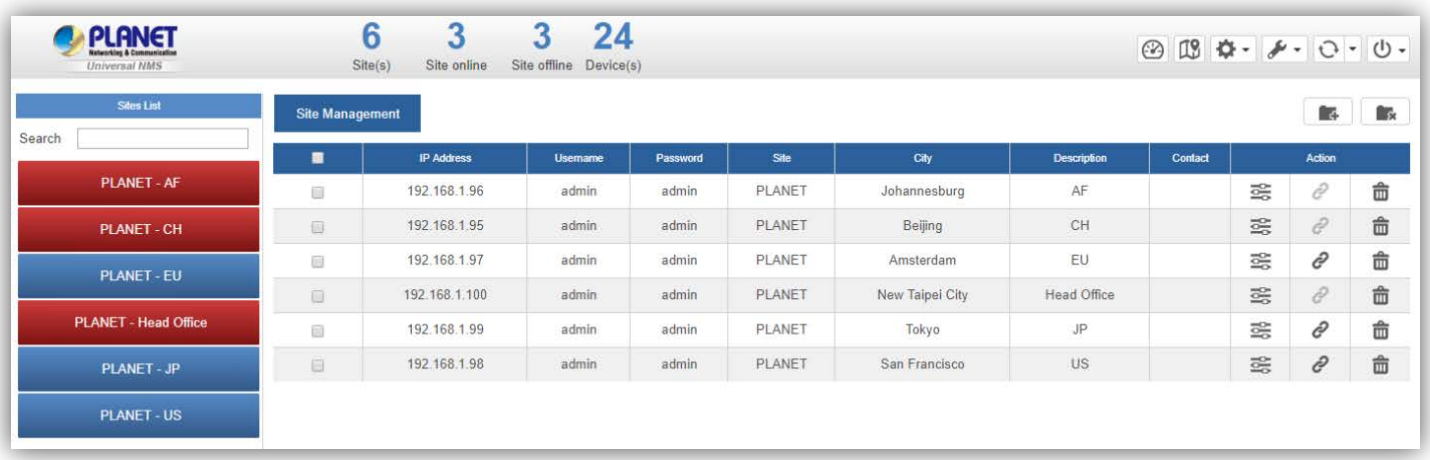
Showing Different Statuses

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

  Blue: connected

  Red: disconnected

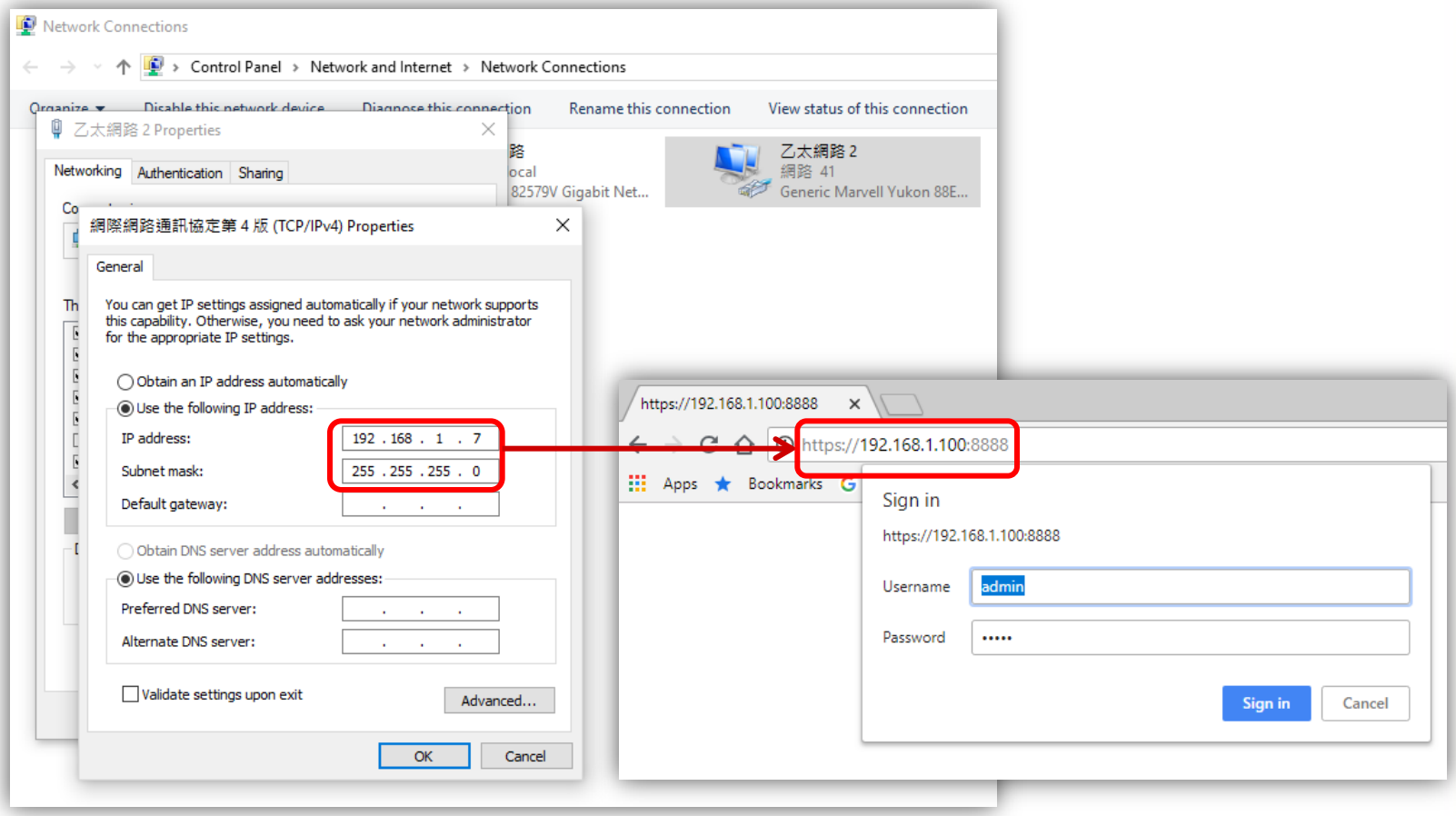
  Gray: in connection



- Press the colored button to see the detailed information.

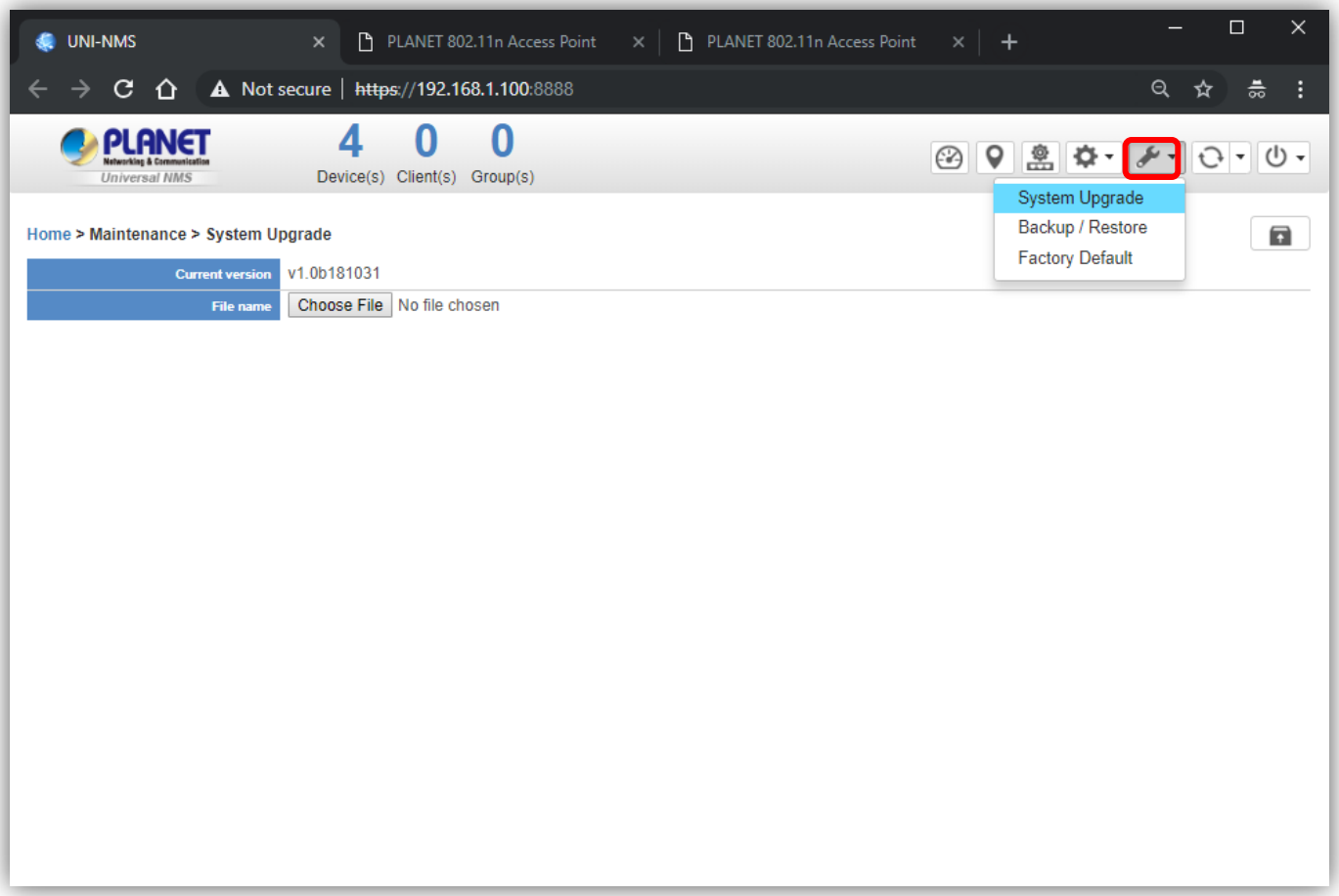
Appendix 1: Checking Network Status

- **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.**



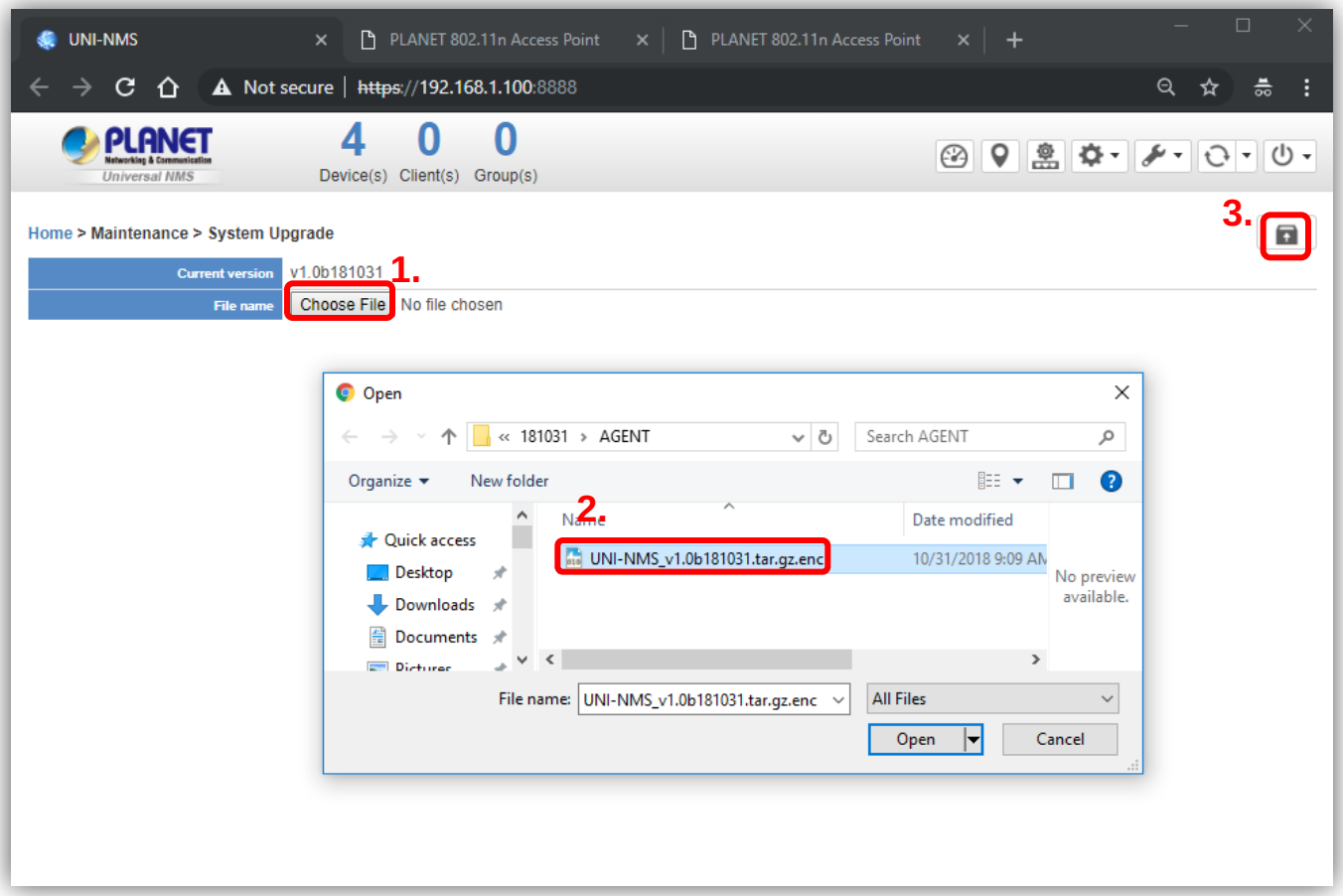
Appendix 2: Upgrading System with Patch File

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



Appendix 2: Upgrading System with Patch File

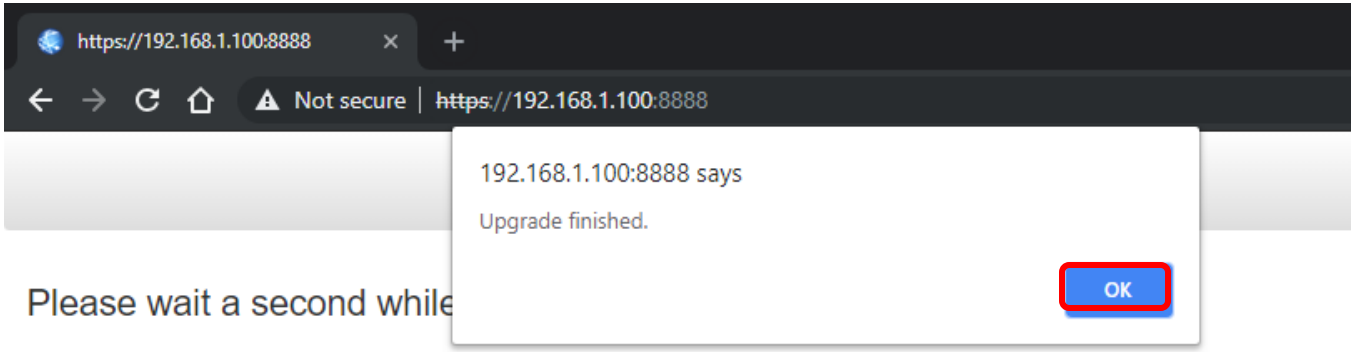
- On System Upgrade screen, select "UNI-NMS_xxx.enc" patch file and then click the "System Upgrade" icon to start system upgrade.



Appendix 2: Upgrading System with Patch File

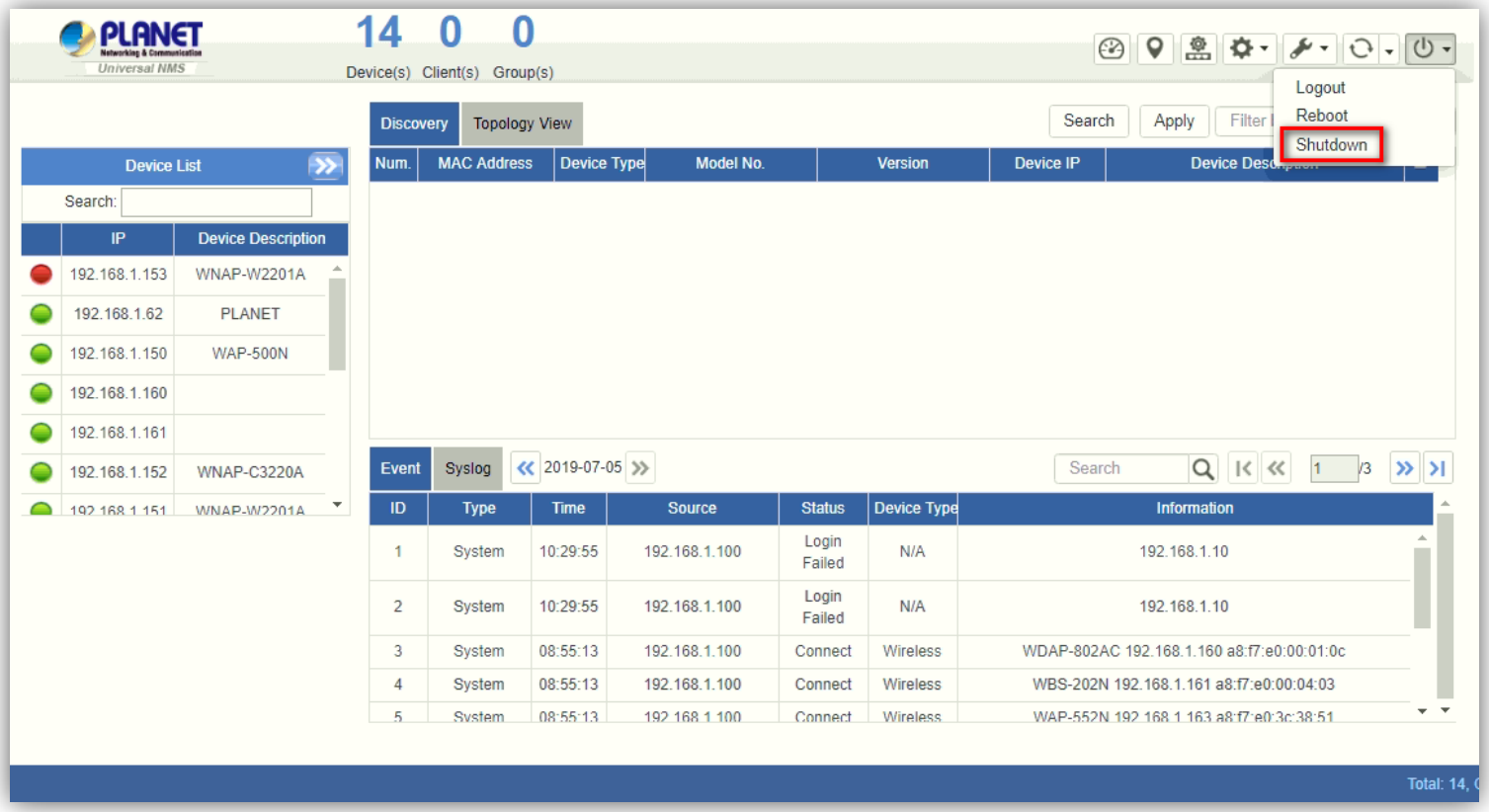
- **If System Upgrade is successful, Web UI will show "Upgrade finished."**

  Press the OK button to go to the Dashboard page.



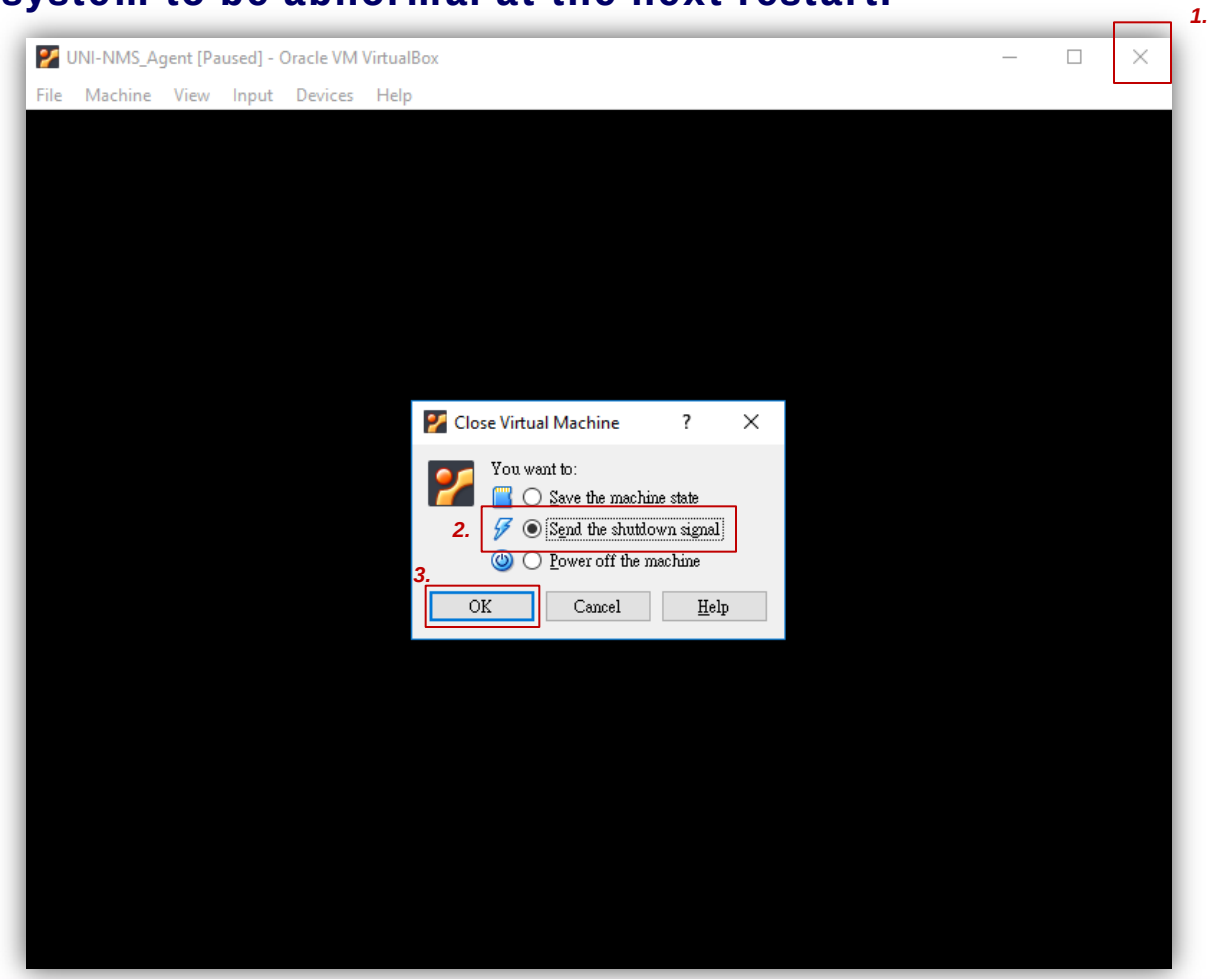
Appendix 3: How to Shut Down the VM

- **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.**



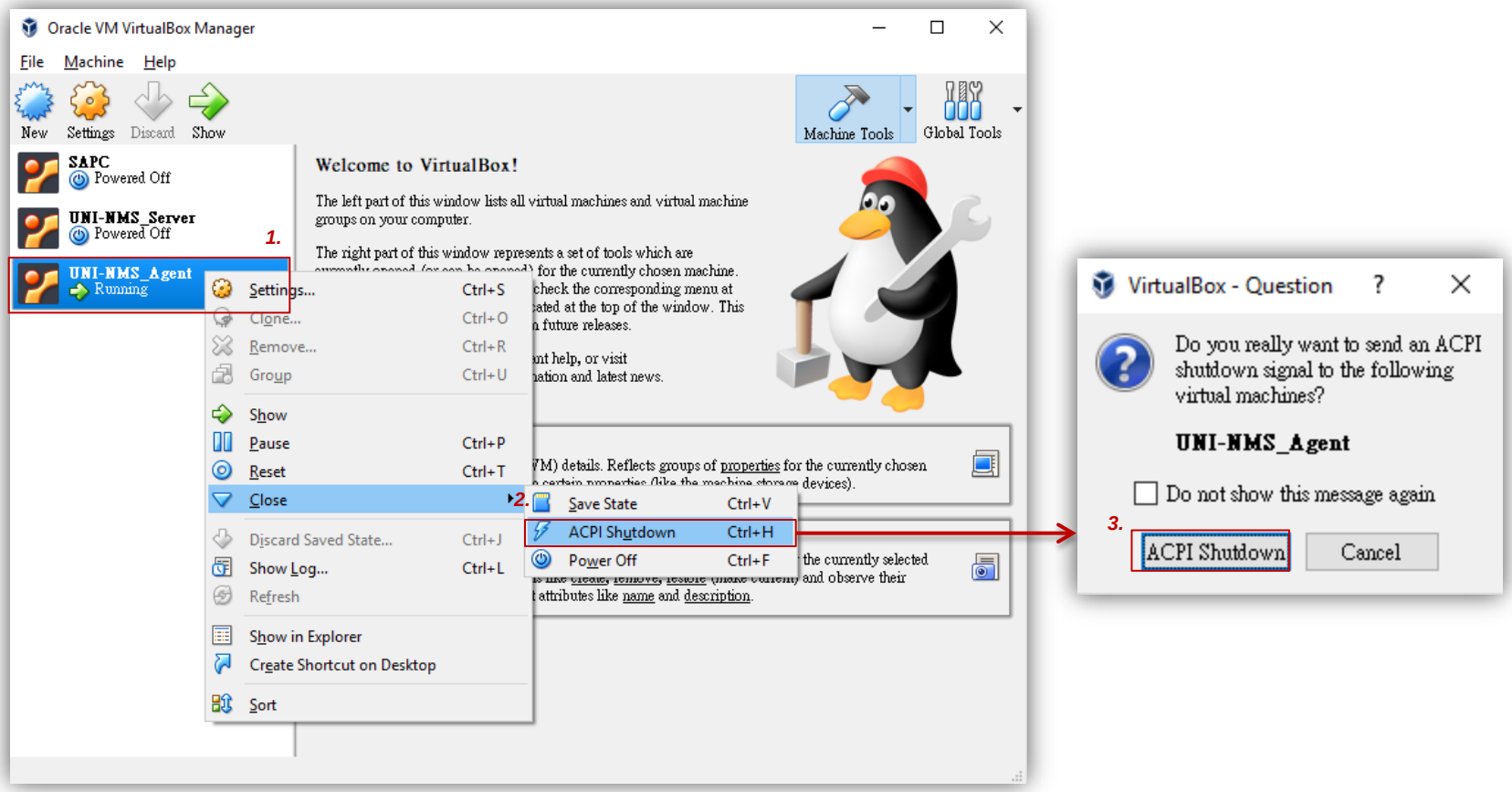
Appendix 3: Using VM to Shut Down the System

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



Appendix 4: Using VM to Shut Down the System

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



Appendix 5: VM Main Command Introduction

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:
Last login: Tue Oct 30 16:41:21 CST 2018 on tty1
Welcome to Ubuntu 16.04.1 LTS (GNU/Linux 4.4.0-79-generic i686)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

1) View IP Status   3) Restart Network  5) Logout          7) Shutdown
2) Ping             4) Reset Database   6) Reboot
Please enter your choice: 1
IP Address: 192.168.1.114
Netmask:    255.255.255.0
Gateway:    192.168.1.254
Please enter your choice: 2
Please input IP Address: 192.168.1.114
PING 192.168.1.114 (192.168.1.114) 56(84) bytes of data.
64 bytes from 192.168.1.114: icmp_seq=1 ttl=64 time=0.156 ms
64 bytes from 192.168.1.114: icmp_seq=2 ttl=64 time=0.127 ms
64 bytes from 192.168.1.114: icmp_seq=3 ttl=64 time=0.125 ms

--- 192.168.1.114 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 1999ms
rtt min/avg/max/mdev = 0.125/0.136/0.156/0.014 ms
Please enter your choice: 3
Restart network will take a few seconds
.Network restart finished.
Please enter your choice: 4
[WARRING] All the configuration will lose. System will reboot at the end of reset. Default IP Addres
s: 192.168.1.100
Do you wish to reset database to default? [N/y]
```

Command 1. : Show UNI-NMS IP.

Command 2. : Test to ping any IP address in the same network segment .

Command 3. : Restart network.

Command 4. : Reset database. 【WARNING】

Activating IP Power