Net LineDancer

User's Manual

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Revision History

Revision History

Revision	Issued date	Contents
Rev.1	2/3/2019	First edition issued
Rev.2	8/4/2019	Revised explanations and images as functions were added
Rev.3	10/9/2019	Revised explanations and images as functions were added
Rev.4	3/9/2020	Chapter1 Add Configuration backup and generation management
Rev.5	2/1/2022	Updated documentation

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1. Introduction

This manual is for the network configuration management software "Net Line Dancer" (hereinafter abbreviated as netLD). This section describes various settings and operation methods of netLD.

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2. 1.1 What is Net Line Dancer?

netLD is software that backs up and manages the settings (configuration, interface definition, access control list, etc.) of network devices such as routers and switches. This enables comprehensive configuration management such as inventory list, property browsing, configuration comparison, password change, setting change automatic detection and notification to NMS, and realizes effective operation management. Not only are the product screens and manuals fully Japanese-compatible, but they also provide a GUI that allows many wizards to be used, making them easy for beginners to operate. One of the great attractions is the multi-vendor support, which has many models that can be managed.

The main functions of netLD are as follows.

Main functions

1. Configuration backup and generation management
2. Command runner
3. Device information text output (with time stamp)
4. Configuration restoration (same / different device)
5. Configuration string search
6. IOS firmware extraction and distribution
7. show command Get / compare / text output return value
8. Confirmation and recycling of executed jobs
9. Terminal proxy function
10. Compliance function
11. User access control
12. MSP Operations Suite
13. Full Japanese support
14. Draft Configuration / Change Advisor
15. Monthly pay-as-you-go cloud license
16. Japan's first support for Zero-Touch
17. API linkage possible

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2.1 Operating Environment

NetLD is provided as a virtual appliance (VA). To use NetLD, the following environment is required.

Item	Requirements
Virtualization Platform	VMWare ESXi >= 6.5 or higher Hyper-V (Windows Server 2012 R2 or later)
CPU	8 cores or more
Memory	8 GB or more
Hard Disk	HDD 1: 8 GB (system area) HDD 2: 50 GB or more (data area)
Supported Browsers (We recommend that you use the latest version of a compatible browser)	Google Chrome Mozilla Firefox Microsoft Edge

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3. Installation

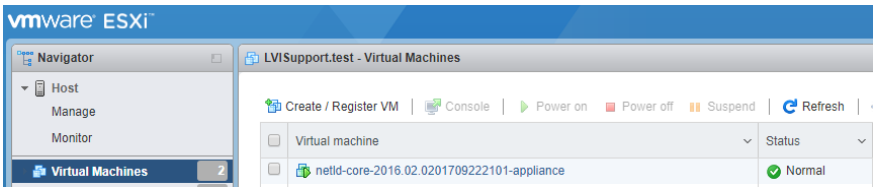
The installation process for NetLD is as follows.

3.1 Installation

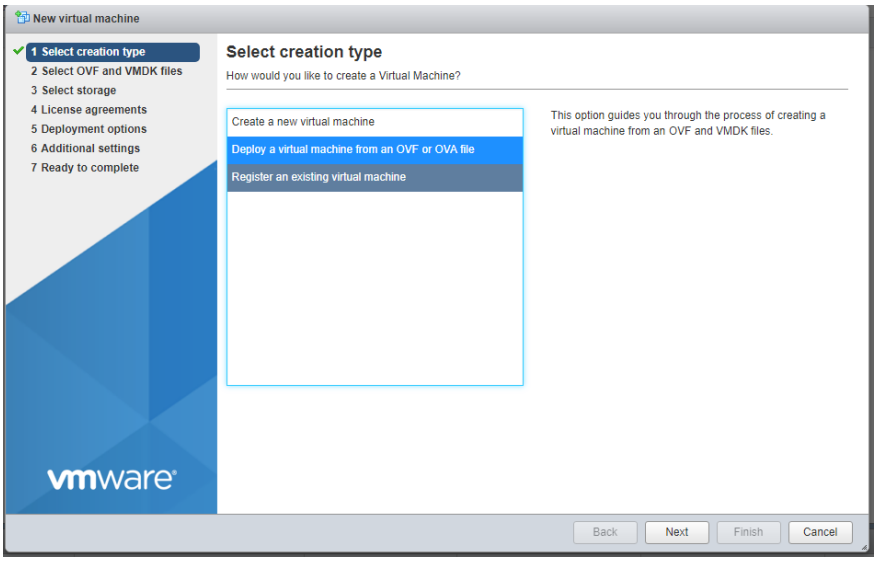
3.1.1 Deployment to VMware ESXi

This is the deployment procedure for VMWare ESXi. The following example is for ESXi 6.5.

1. Login to Web UI, then click [Create/Register VM] from [Virtual Machines].



2. Select [Deploy a virtual machine from an OVF or OVA file], then click [Next].



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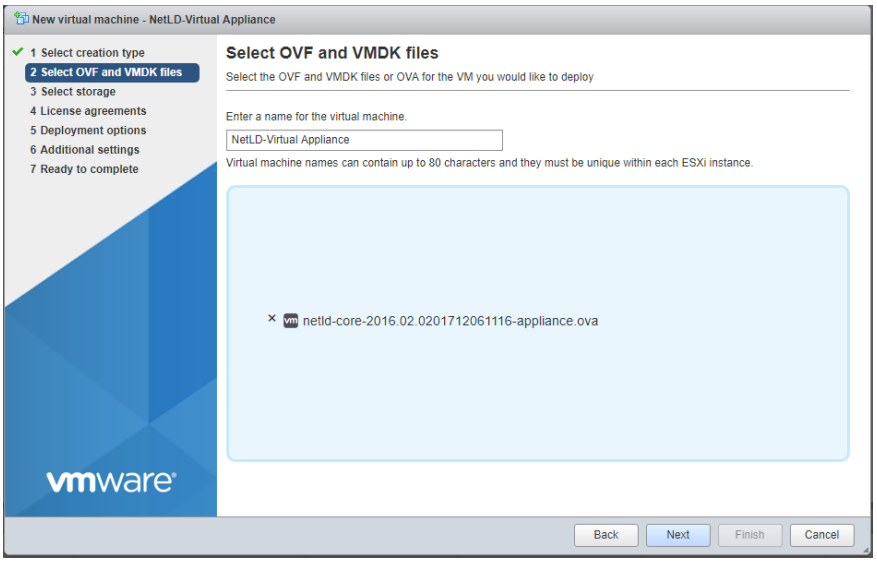
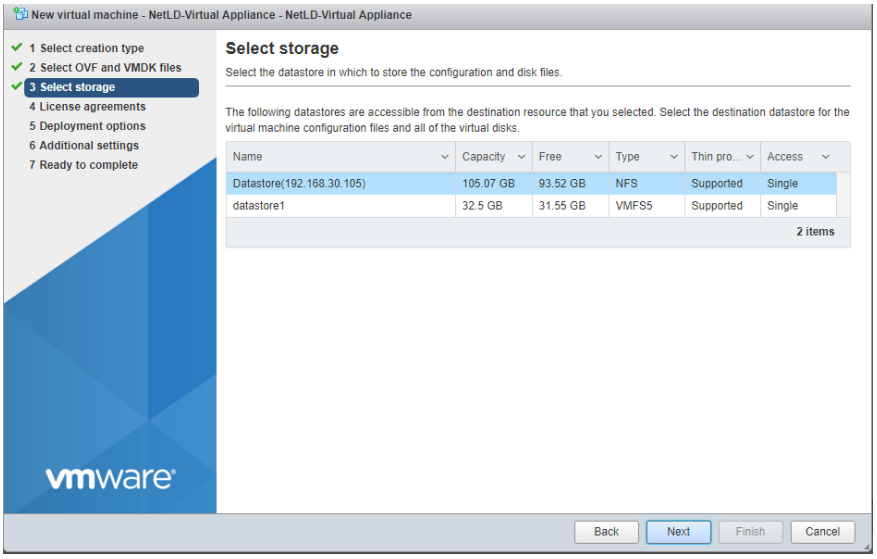
3. After entering the virtual machine's name, drag and drop the LogicVein VA .ova file, then click [Next].



4. Select storage, then click [Next].



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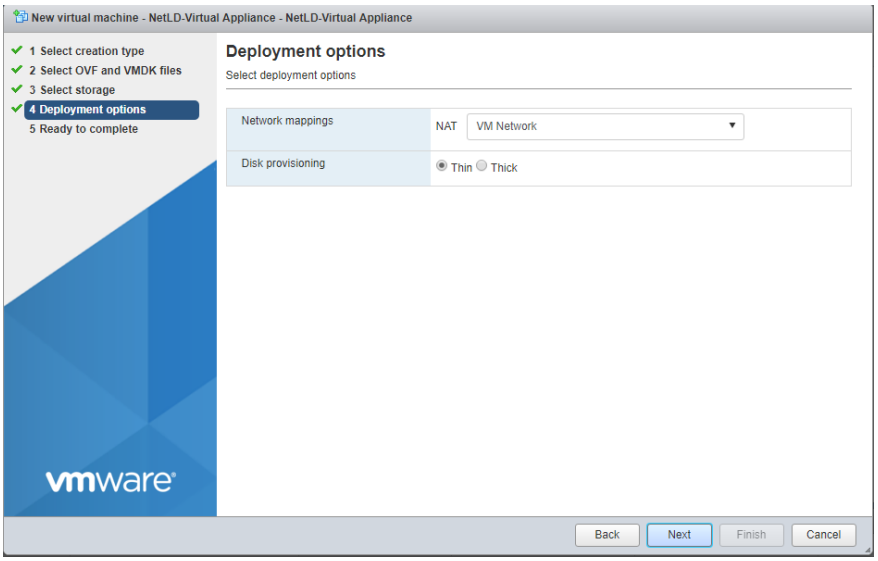
5. Select Network and Disk Provisioning, then click [Next]. *For [Disk Provisioning], [Thin] is recommended.



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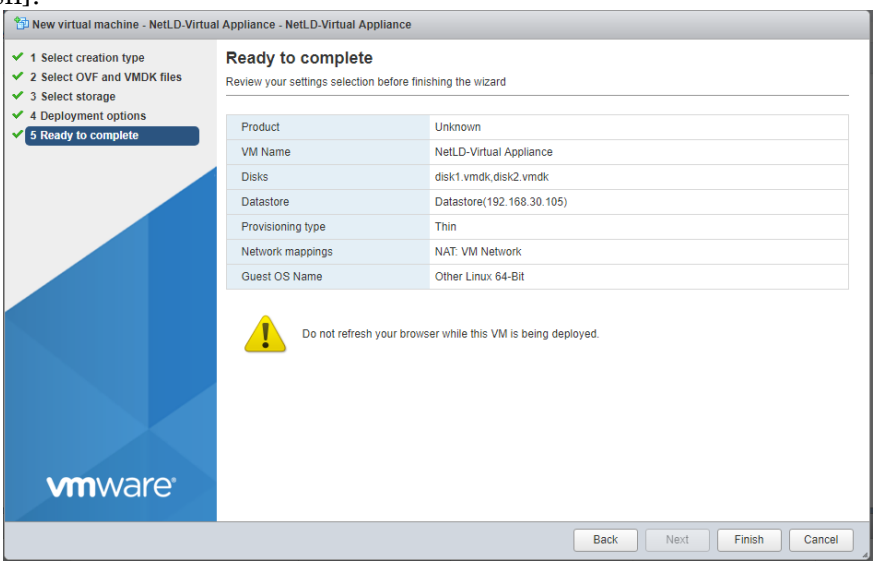
6. Click [Finish].

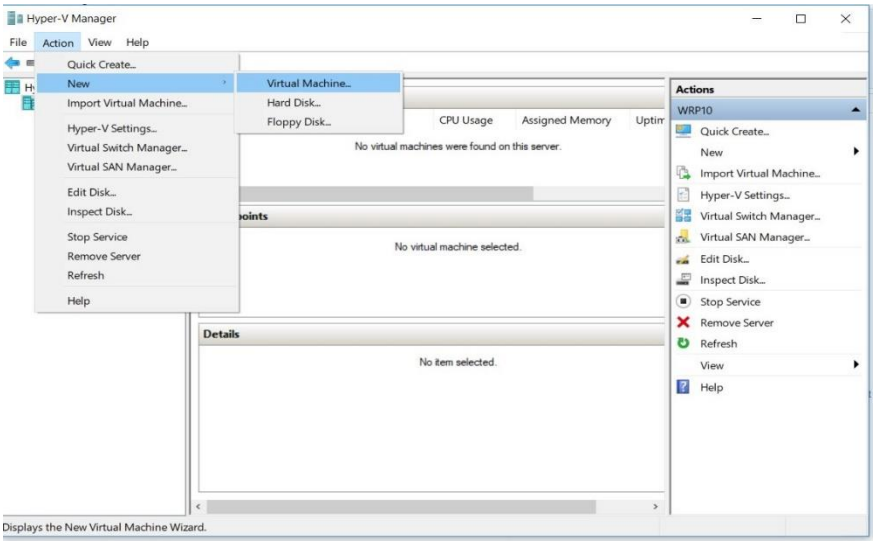


After deployment is completed, please start the new virtual machine.

3.1.2 Windows Hyper-V Deployment

As an example, we will use Windows Server 2016, but you can use Windows 10 Pro also. Please change according to your environment.

1. Start Hyper-V Manager and click [Action] → [New] → [Virtual Machine] to display the New Virtual Machine Wizard.



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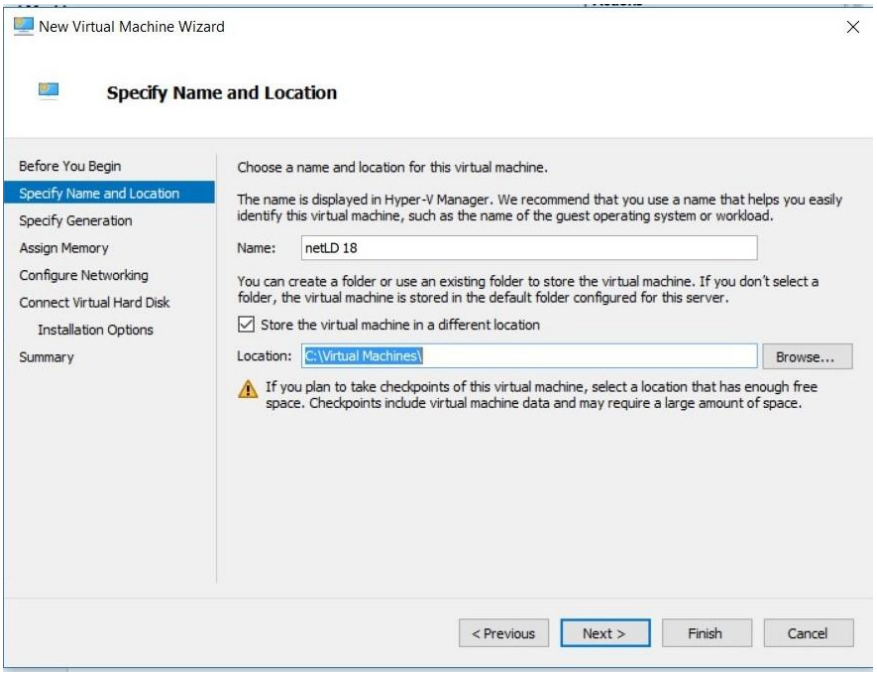
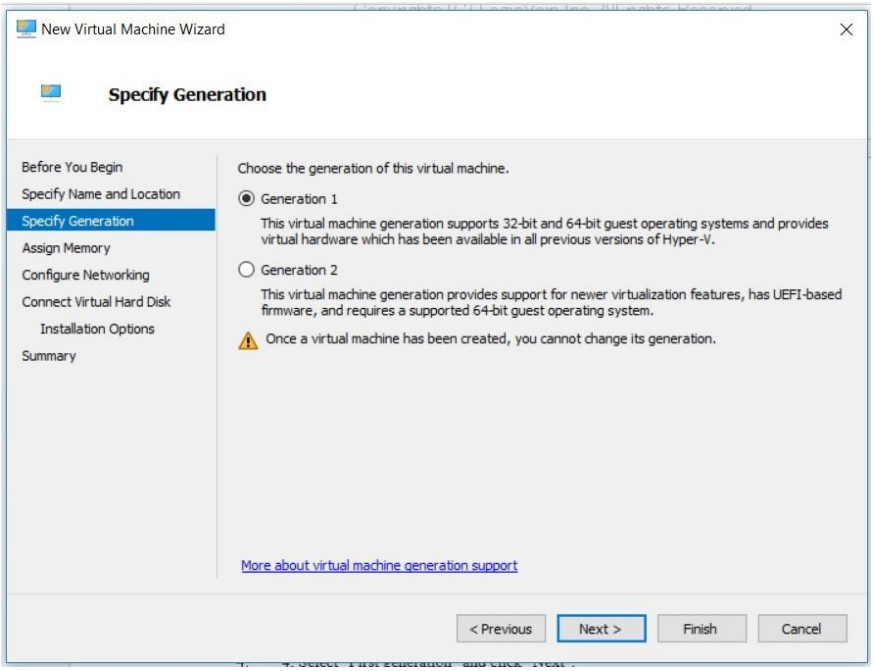
2. Enter a name for the virtual machine. If desired, change the storage location. Click [Next].



3. Select [Generation 1] and click [Next].



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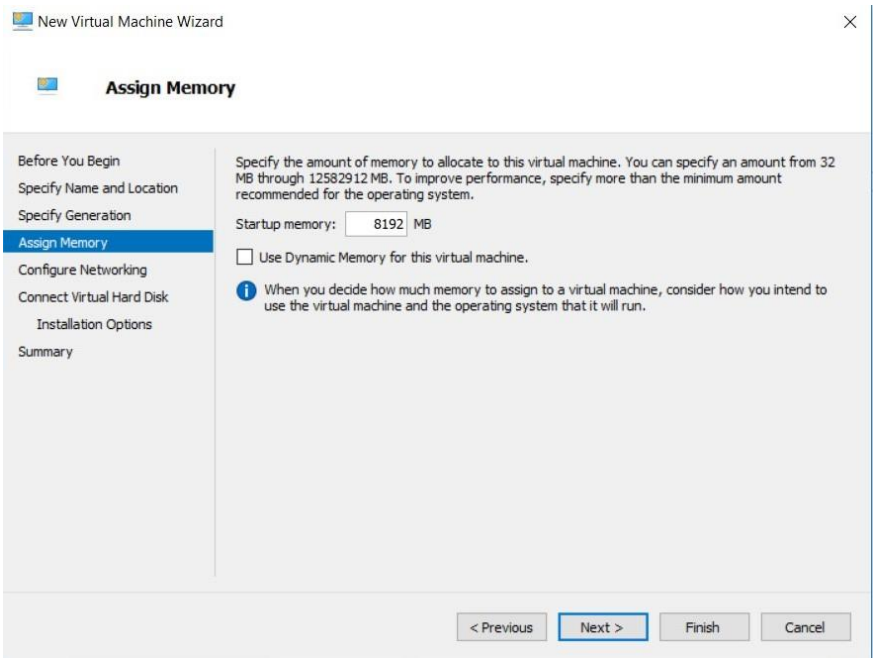
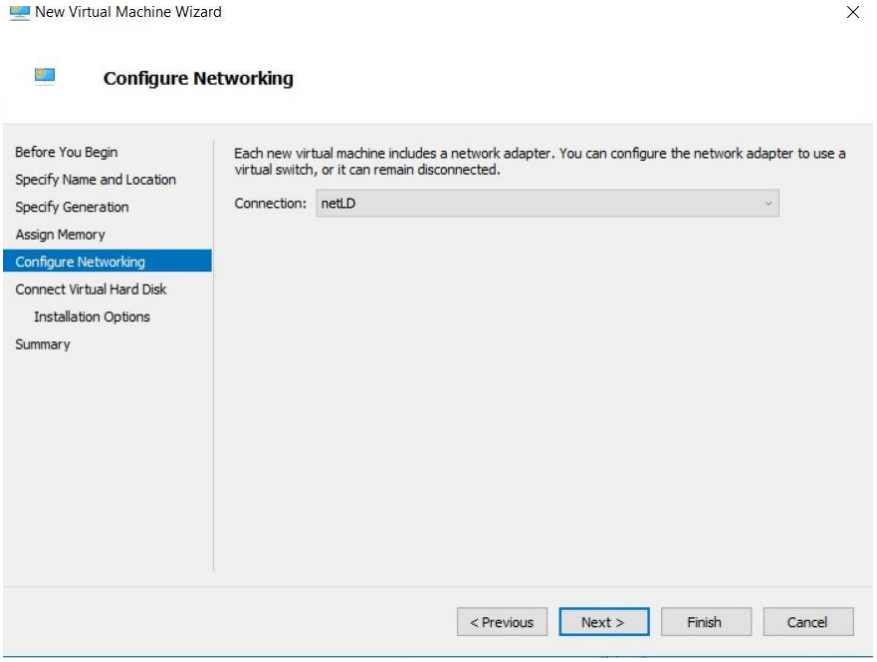
4. Set the [Startup memory] and click [Next].



5. Next to [Connection:] select a virtual switch for the network connection and click [Next].



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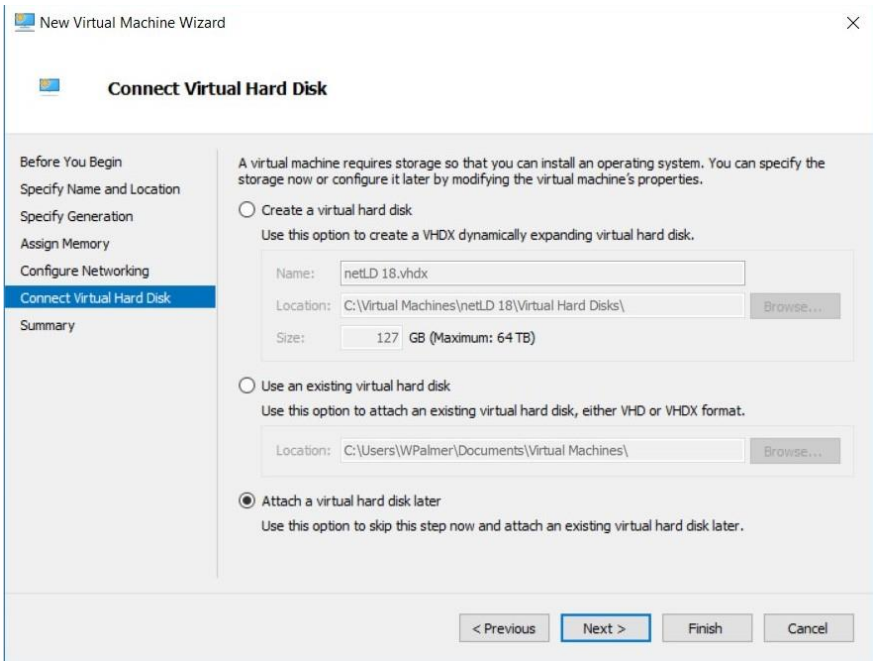
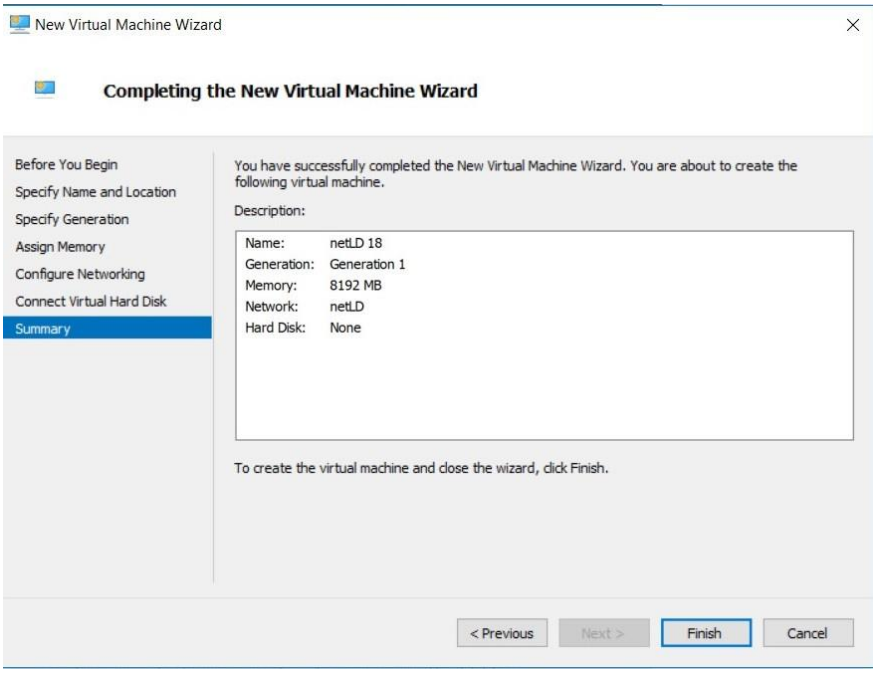
6. Select [Connect virtual hard disk later] and click [Next].



7. Click [Finish].



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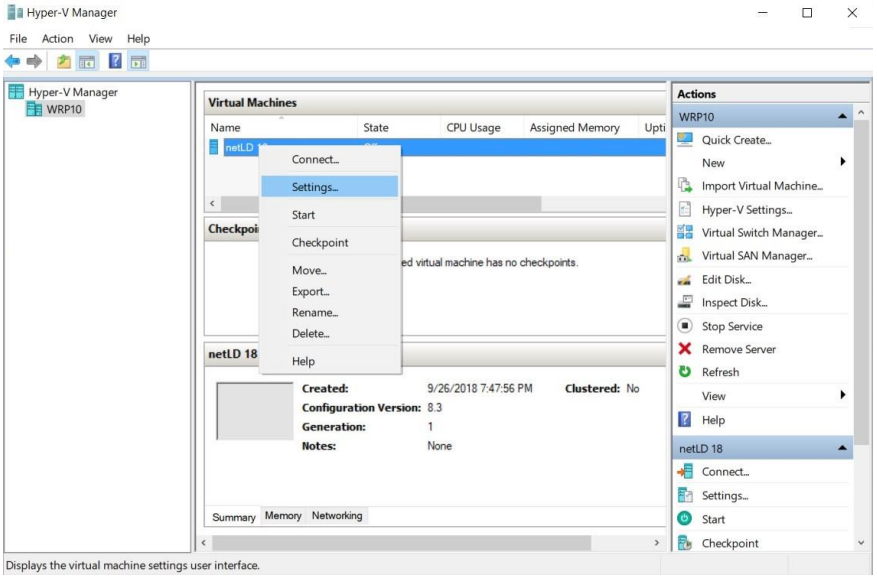
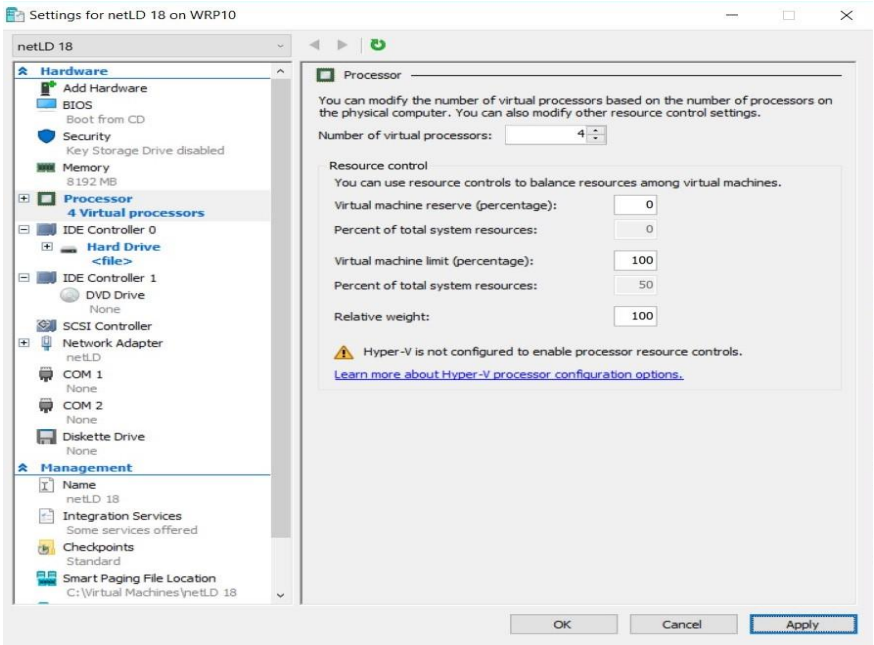
8. Right-click the virtual machine you created and click [Settings].



9. Click [Processor] and change [Number of virtual processors].



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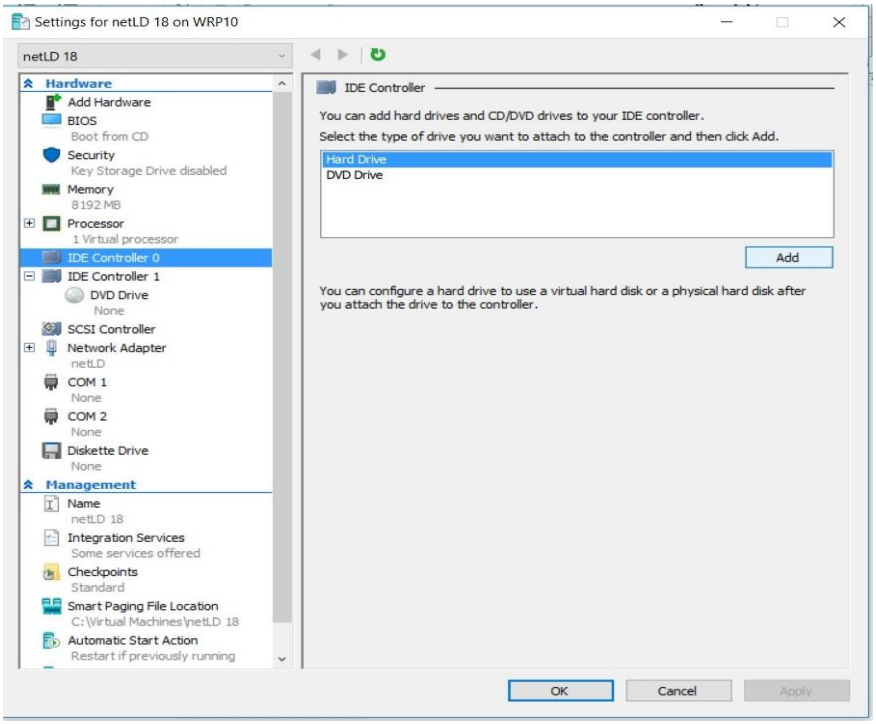
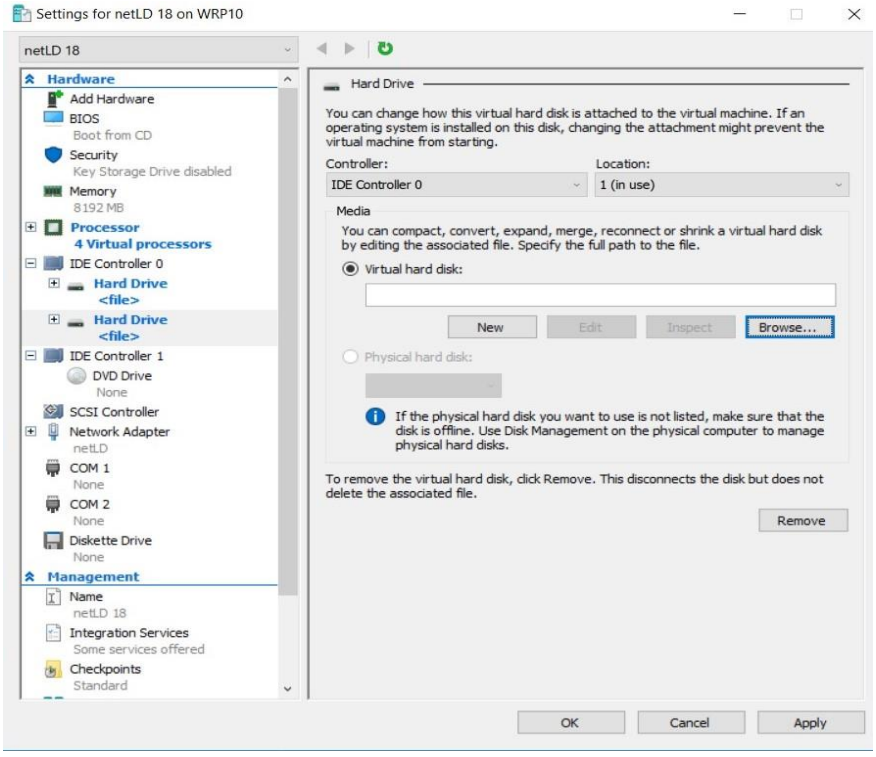
10. Click [IDE Controller 0], select [Hard Drive], and click [Add].



11. Click [Browse].



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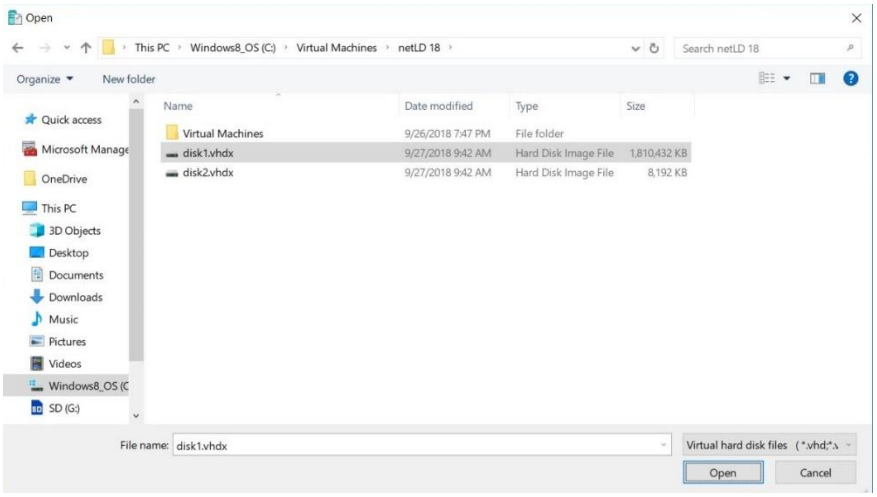
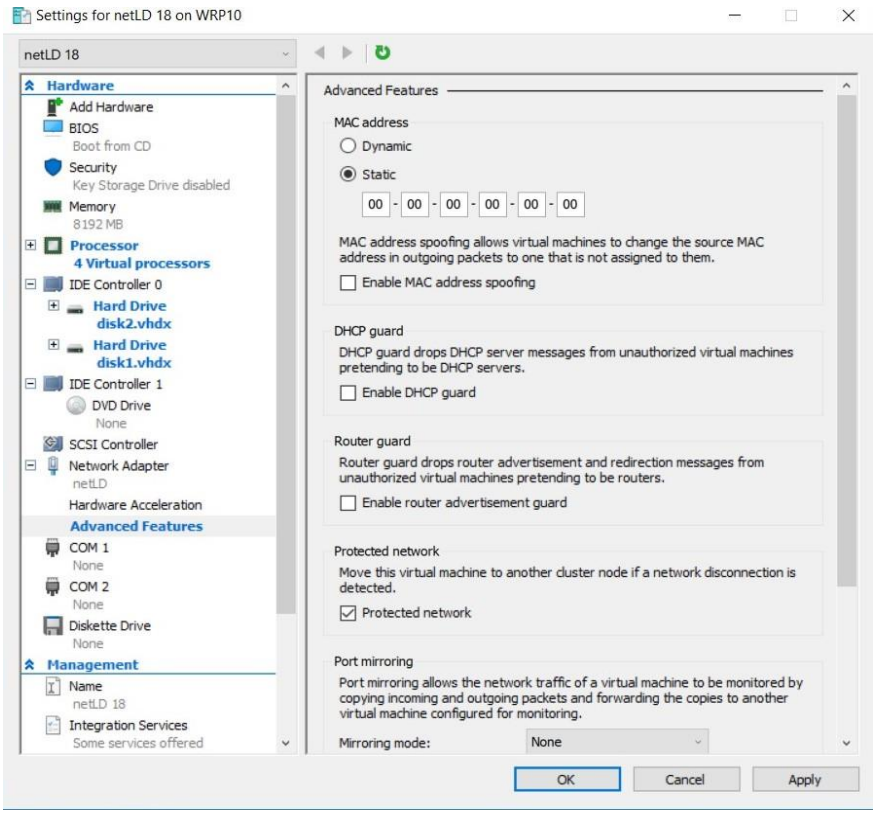
12. Browse to where you saved the downloaded .vhdx files, select disk1.vhdx, and click [Open].



13. Repeat steps 10 to 12 to add disk2.vhdx.
14. Click the [➕] next to [Network Adapter] and select [Advanced Features]. Add a static MAC address and click [OK].



15. After the deployment is completed, please [Start] and [Connect] to the virtual machine.

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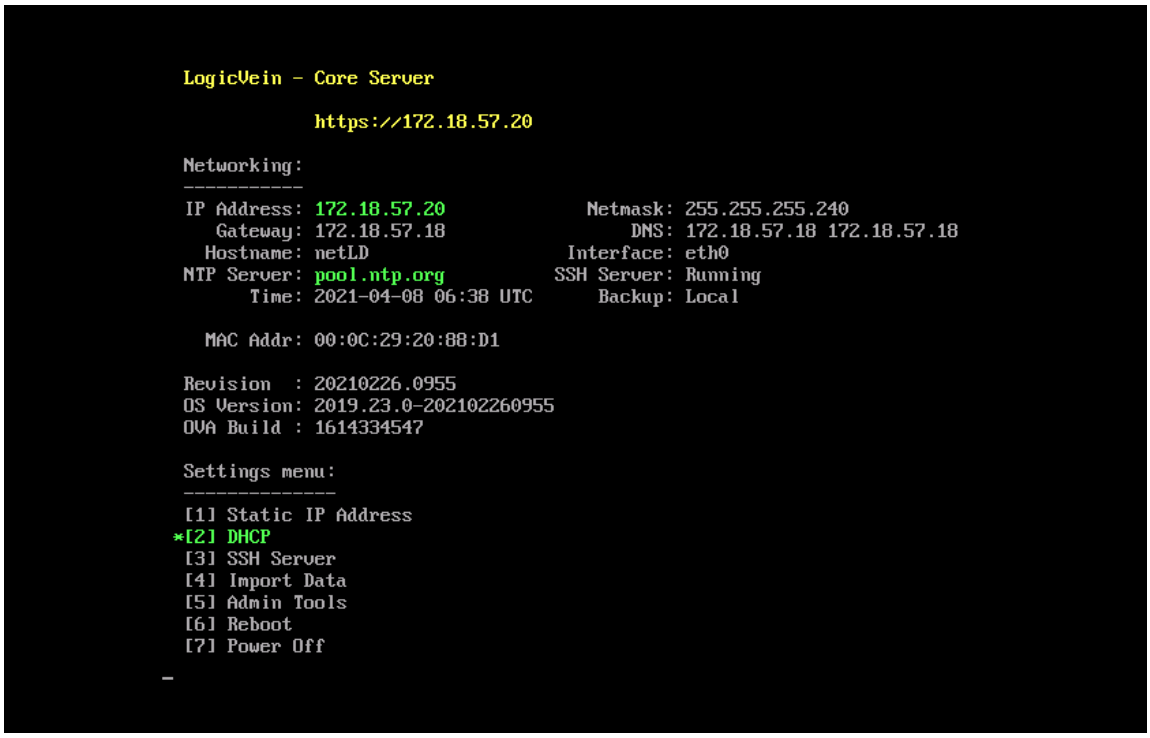
3.2 Configuring network settings

After starting the VMware or Hyper-V virtual machine, some network settings are needed. By default NetLD receives its IP address and configuration from DHCP. Because DHCP only gives temporary IP addresses, or in an environment without a DHCP server, add a static IP address and configuration.

* All network settings are keyboard operations.

1. Type [1] to add a [Static IP Address].



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2. Type [1] to select [eth0 (Primary)].

3. Enter the following items to match your network environment, and type [y] to save the setting.

Item	Description	Required
Hostname	Enter the desired hostname	✓
NTP Server	Enter DNS name or IP address of the NTP server	✓
IP Address	Enter the desired IP address	✓
Netmask	Enter your subnet mask	✓
Gateway	Enter the default gateway IP address	✓
DNS 1	Enter the IP address of your primary DNS server	✓
DNS 2 (Optional)	Enter the IP address of your secondary DNS server	×

After saving the setting, the service is automatically restarted.

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3.3 Applying a license

Apply the license and activate the product

1. Use a web browser to enter the NetLD address for access.

   https://*<IP_address>*/

   * Specify an IP address or FQDN (Fully Qualified Domain Name) for <IP_address>.

2. The license authentication screen is displayed. Copy and paste the activation key, enter it, and click [Authentication].

The service is automatically restarted, and licensing is complete.

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4. Login / Logout

To log in / out, follow the steps below

4.1 Logging in

1. Open a web browser and enter the address of NetLD and access it.

   https://<IP_address> / or https://< Fully Qualified Domain Name>

2. On the login screen, enter the [Username] and [Password] and click [Login].

   * The default username is “admin” (Do not enter quotation marks.) and the password is “password”

   When logging in, the top screen of NetLD is displayed.

4.2 Log out

1. Click [Logout] on the upper right of the screen.

When logging out, the NetLD login screen is displayed.

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5. Screen Structure

5.1 Screen structure and role of each part

Describes the screen structure of NetLD.

No.	Name	Explanation
①	**Main tab**	This tab switches the main screen.
②	**Main display**	The screen corresponding to the tab selected on the main tab is displayed.
③	**Global menu**	This menu is fixedly displayed in the upper right corner of the screen.

5.1.1 Main tab configuration

Tab	Explanation
Inventory	Displays registered devices as an inventory (list).
Jobs	Displays a list of jobs.
Terminal Proxy	Displays a list of records when the terminal is connected to the device.

5.1.2 Global menu structure

Name	Explanation
User	The current login username is displayed.
Logout	Log out of NetLD.
Setting	The various settings ([Server Settings]) screen is displayed.
Help	The help menu is displayed.

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6. Basic Settings

This section discusses the basic settings for NetLD's monitoring.

6.1 Setting the SNMP community

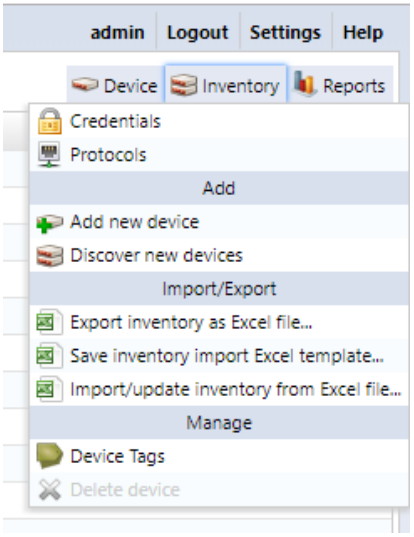
When monitoring from a monitored device using SNMP, it is necessary to set the SNMP community (hereinafter called “community name”) that has already been set to the monitored device to NetLD. Set the community name in [Inventory]-> [Credential] on the device tab. There are two ways to set credentials: "Dynamic" and "Static".

Description	Explanation
Dynamic	Set common credentials for the address range. This is useful when a common community name is set for monitored devices. * Up to three credentials can be registered in one network group.
Static	Set credentials for each IP address. Use this when a different community name is set for each monitored device.

6.1.1 Setting a common SNMP community

If a common community name is set for the monitored devices, use "Dynamic".

1. Select the Inventory tab and click [Inventory] > [Credential].



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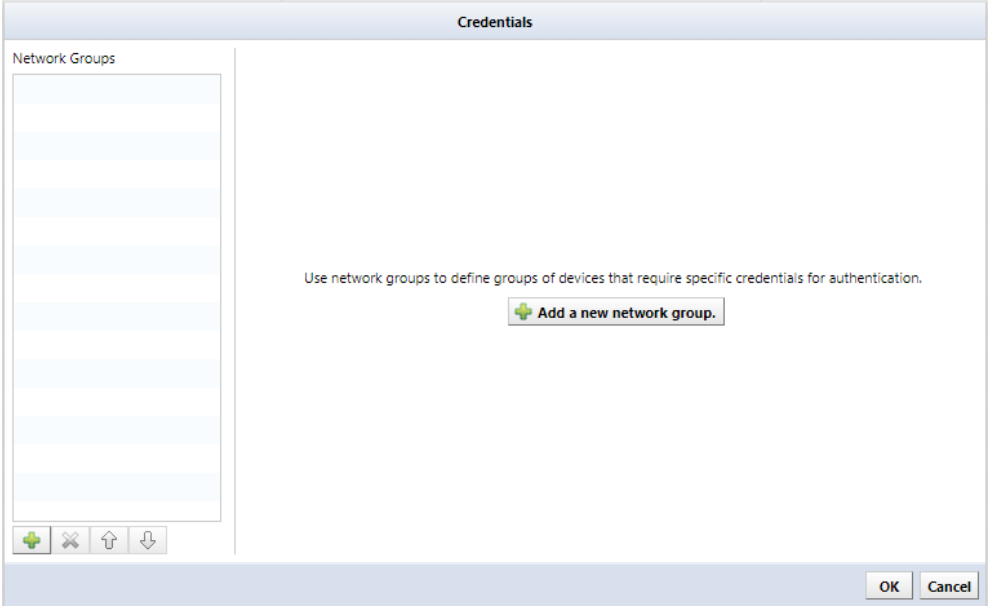
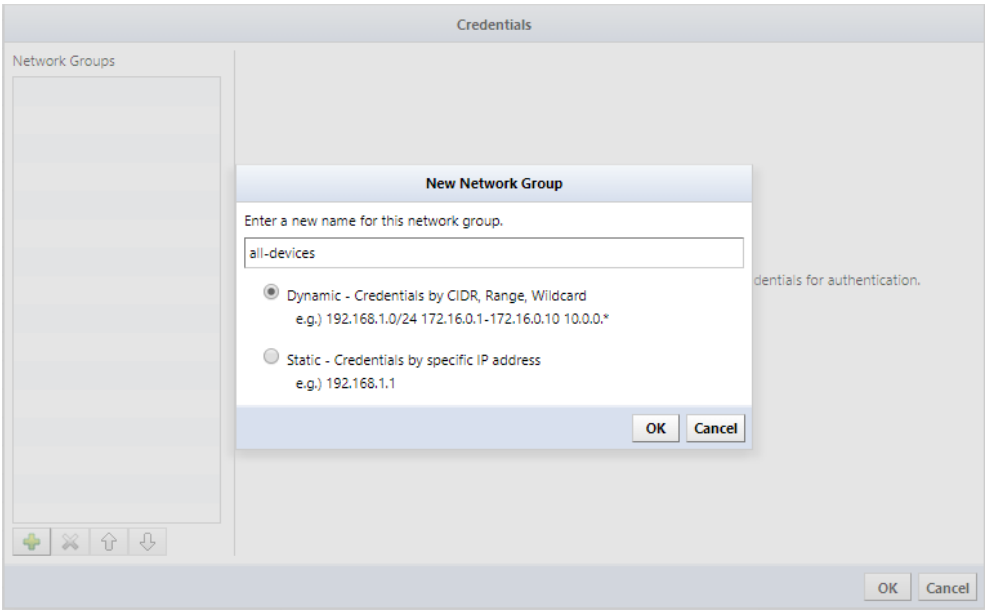
Click [(Add)] or [Add New Network Group].



2. Enter the network group name, select “Dynamic”, and click [OK].



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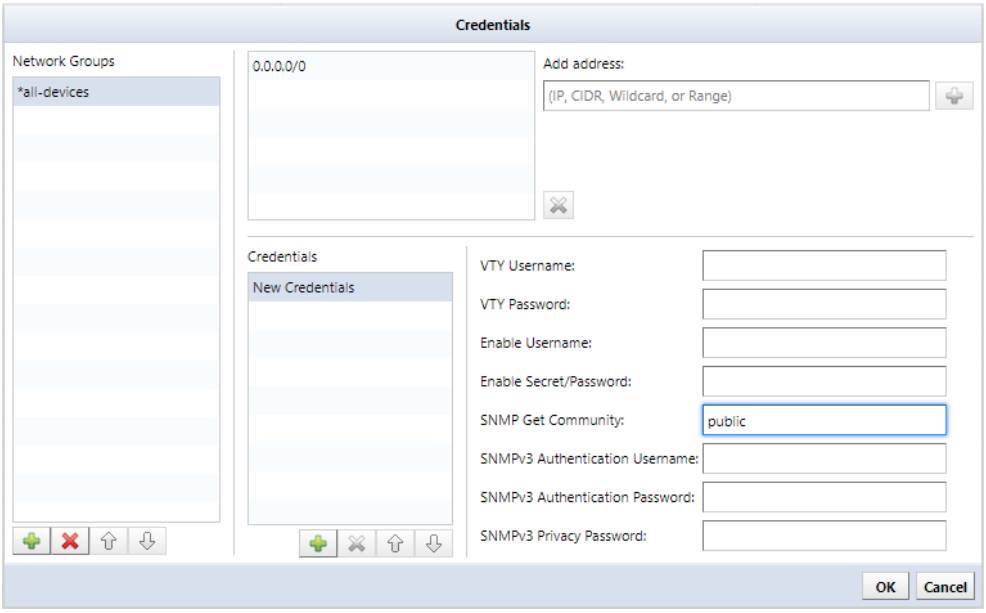
3. Enter the network group address range in the [Add Address] field and click [(Add)]. Enter the community name of the monitored device in the “SNMP Get Community” field of the credential.

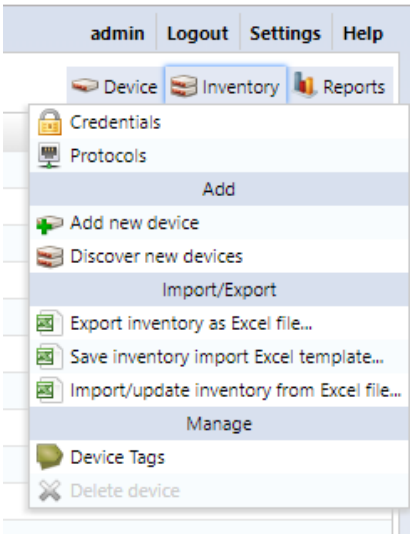


4. Click OK to save the settings.

6.1.2 Set SNMP community for each device

If a different community name is set for each monitored device, use "Static".

1. Select the Inventory tab and click [Inventory] > [Credential].



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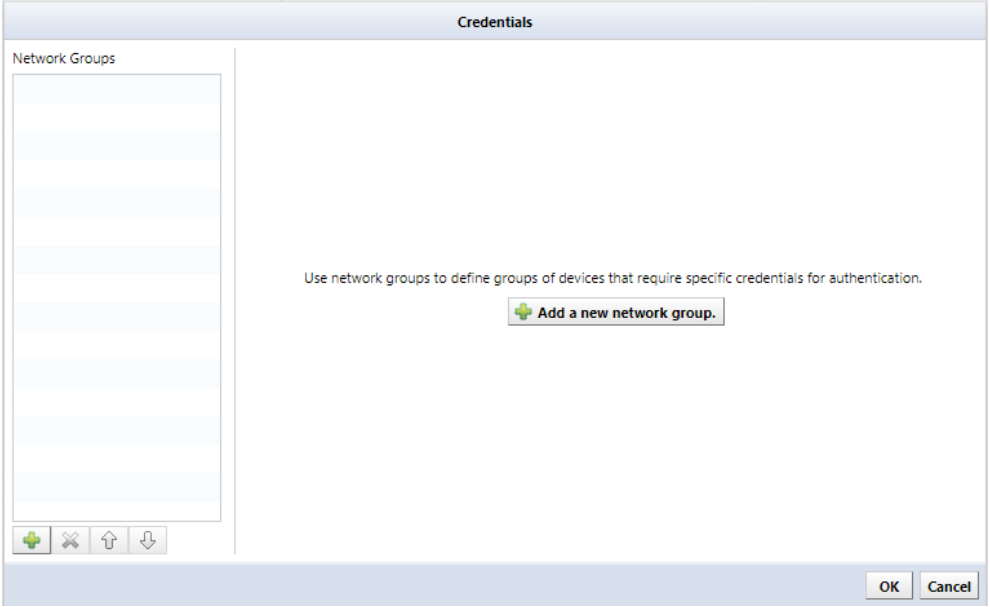
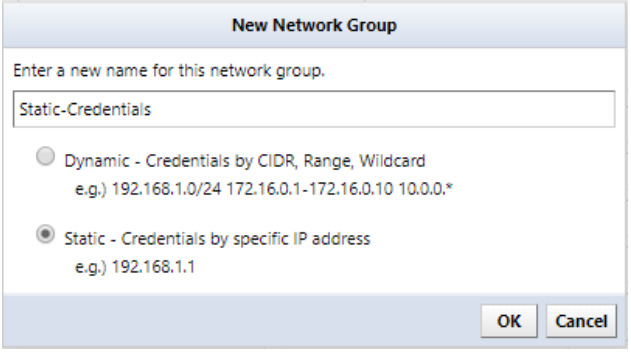
2. Click [(Add)] or [Add New Network Group].



3. Enter the network group name, select Static, and click [OK].



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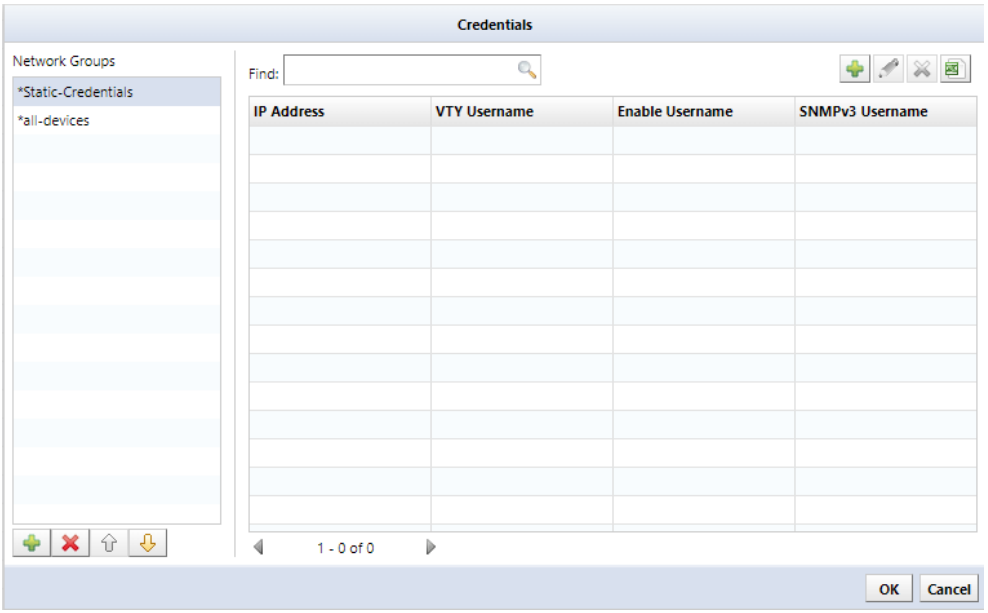
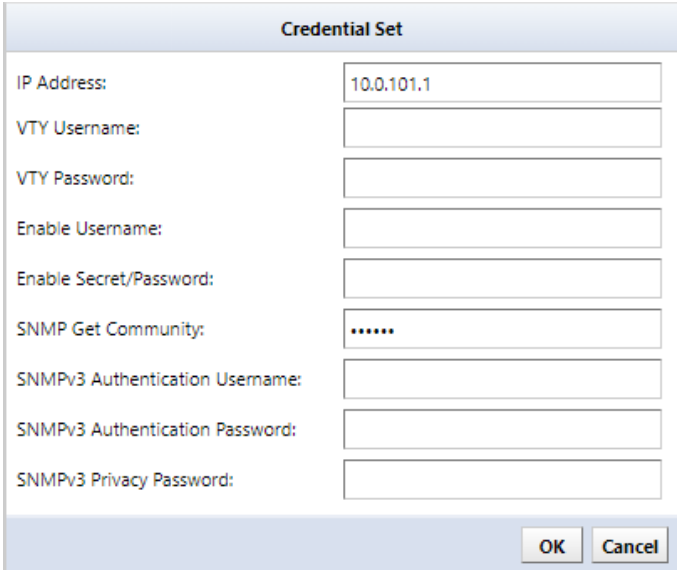
4. Click [(Add)] .



5. Enter the IP address, and enter the community name of the monitored device in the "SNMP Get Community" field.



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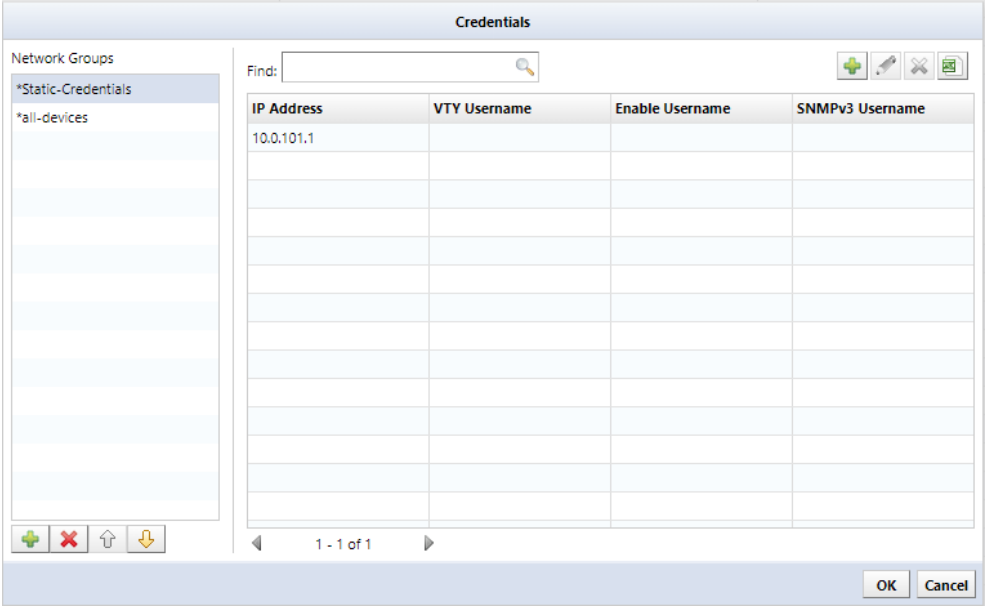
6. Click [OK] to save the settings.



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6.2 Adding devices

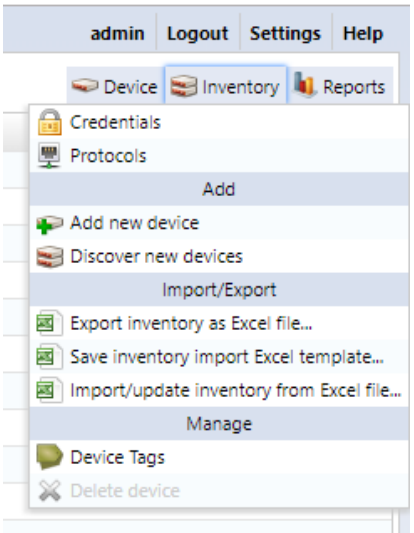
When adding a device to NetLD, use one of the following methods:

Description	Explanation
Manual	Enter the device IP address directly to add the device. Add one by one.
Discovery	Devices that are within the specified IP address range are automatically detected and added. * SNMP is used for discovery, so set the credentials in advance.
Import	This function reads device data from XLSX files. Export the template file for import and enter the monitored device information in the file.

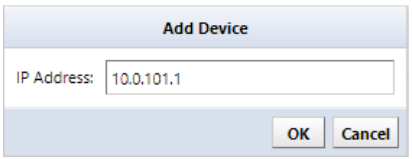
* When adding a device, the device is not displayed on the map. If you want to display a device icon on the map, add the device to the map. For details on how to add to the map, see "5.4.2 Inserting the device into the map" below.

6.2.1 Registering one by one

1. Select the [Inventory] tab and click [Inventory] > [Add Device].



2. Enter the IP address of the device to be added and click [OK].



After clicking [OK], the device information is acquired from the monitored device and added to the device list.

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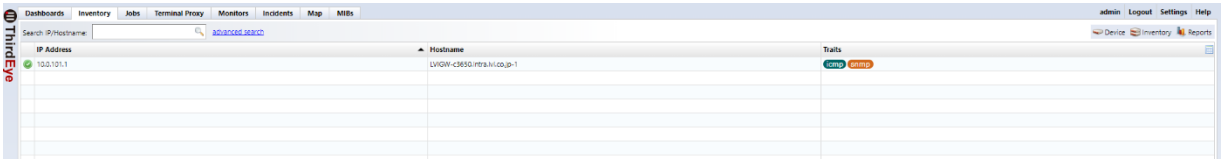
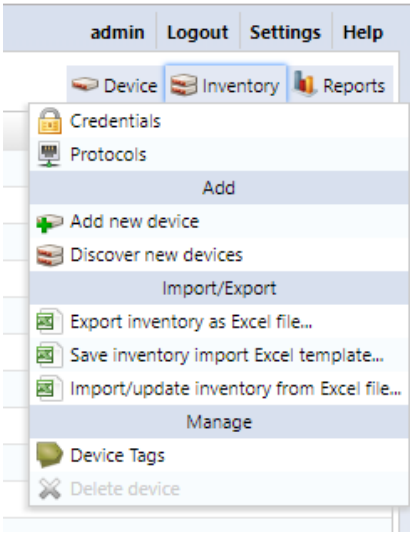


* If communication with the IP to be added is not possible, it will be added, but the host name and interface information cannot be acquired.

6.2.2 Registering devices on the network

1. Select the Inventory tab and click Inventory> Device Discovery.



2. Specify the IP address range to be discovered and click [(Add)].

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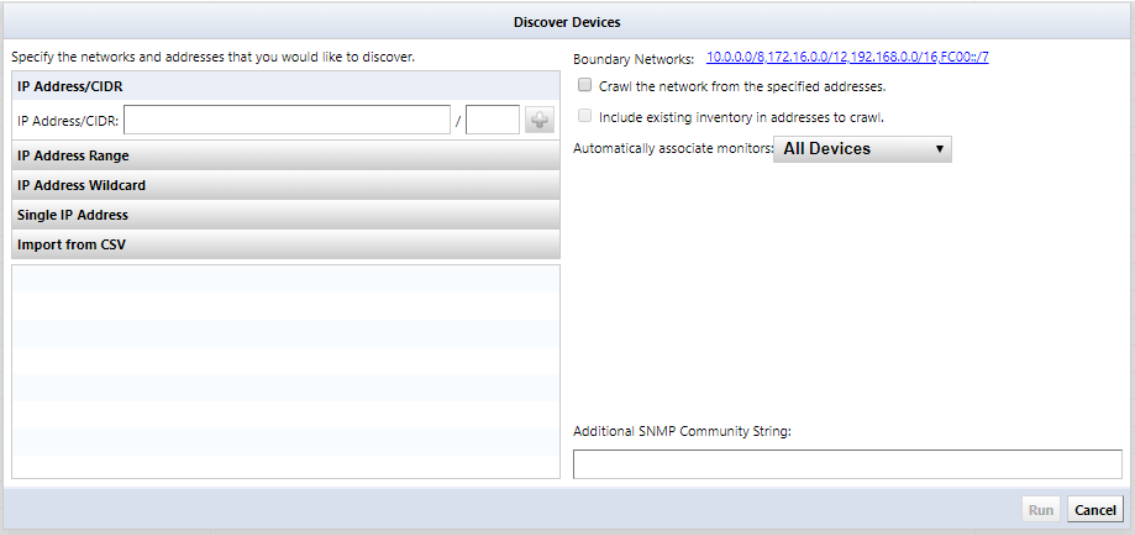
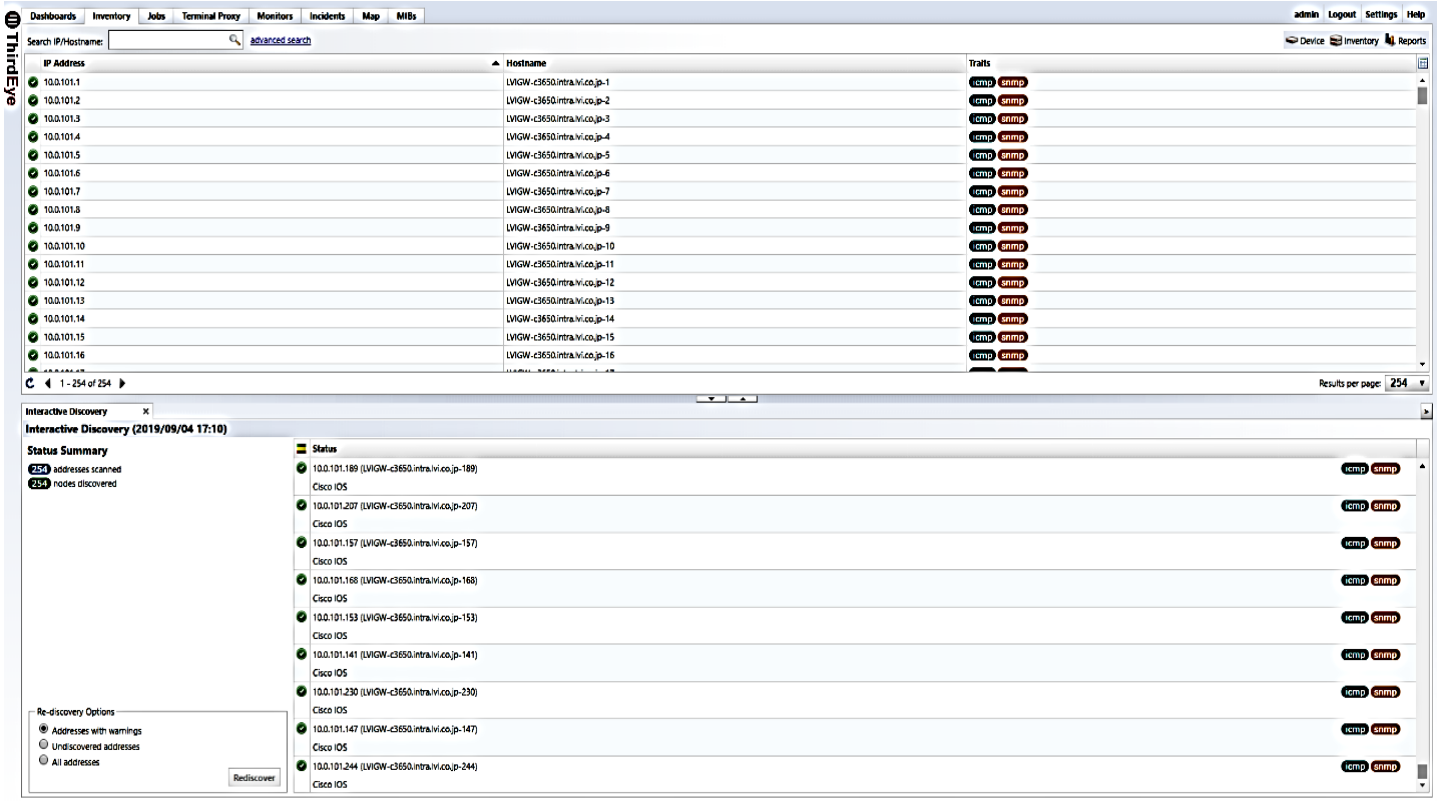
3. Input information is added to the lower left of the screen. Click [Run].



4. Discovery starts and the discovery result is displayed at the bottom of the screen.



When discovery is complete, discovered devices are added automatically.

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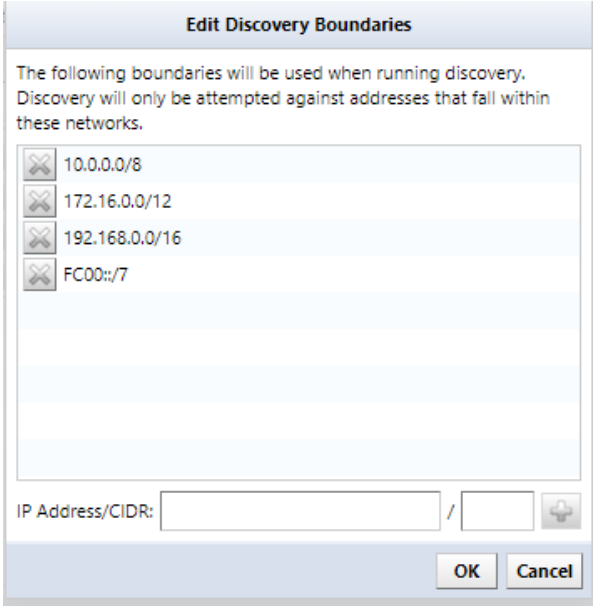
MEMO :

Only IP addresses that can be discovered can be discovered within the range displayed in the perimeter network. When discovering IP addresses outside the perimeter network range, add them to the perimeter network.



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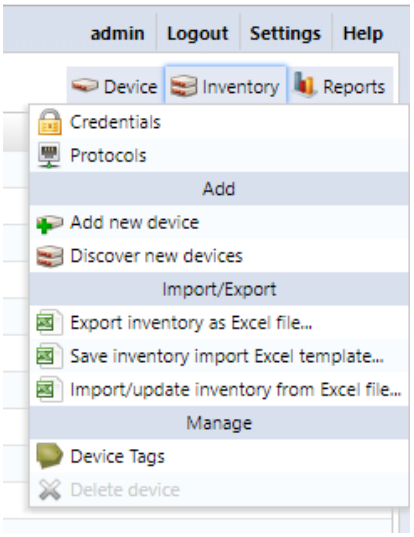
6.2.3 Import registration from Excel file

You can import monitored device information from an Excel file. An import template is provided. You can easily register it by exporting a file and filling in the information of monitored devices in the file.

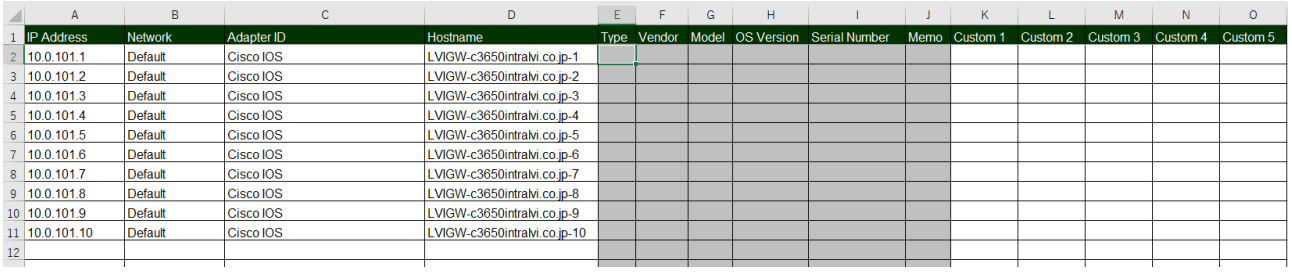
1. Select the Inventory tab and click Inventory> Save Template for Inventory Import.



2. The file open screen is displayed. Select “Save File” and click [OK].

   * The file name will be “netLD-inventory YYYY-MM-DD.xlsx” and saved in the XLSX file format. “YYYY-MM-DD” represents the date.

3. Edit the saved file, enter information in the following items, and save.



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	IP Address	Network	Adapter ID	Hostname	Type	Vendor	Model	OS Version	Serial Number	Memo	Custom 1	Custom 2	Custom 3	Custom 4	Custom 5
2	10.0.101.1	Default	Cisco IOS	LVIGW-c3650intralvi.co.jp-1											
3	10.0.101.2	Default	Cisco IOS	LVIGW-c3650intralvi.co.jp-2											
4	10.0.101.3	Default	Cisco IOS	LVIGW-c3650intralvi.co.jp-3											
5	10.0.101.4	Default	Cisco IOS	LVIGW-c3650intralvi.co.jp-4											
6	10.0.101.5	Default	Cisco IOS	LVIGW-c3650intralvi.co.jp-5											
7	10.0.101.6	Default	Cisco IOS	LVIGW-c3650intralvi.co.jp-6											
8	10.0.101.7	Default	Cisco IOS	LVIGW-c3650intralvi.co.jp-7											
9	10.0.101.8	Default	Cisco IOS	LVIGW-c3650intralvi.co.jp-8											
10	10.0.101.9	Default	Cisco IOS	LVIGW-c3650intralvi.co.jp-9											
11	10.0.101.10	Default	Cisco IOS	LVIGW-c3650intralvi.co.jp-10											
12															

Description	Explanation	Required	Example
IP Address	Enter the IP address of the device.	✓	192.168.1.10
Network	Select "Default" from the pull-down list.	✓	Default
Adapter ID	Select the device adapter. * This item does not need to be specified in the current version.	×	Cisco IOS

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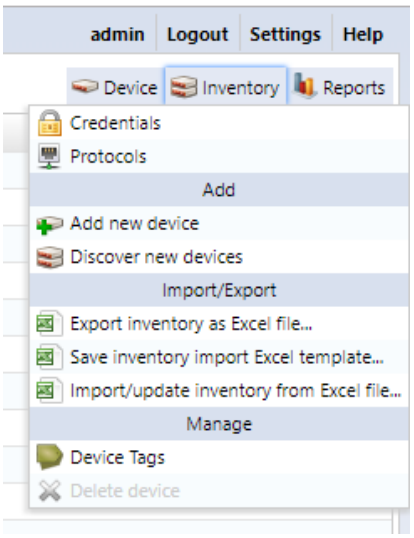
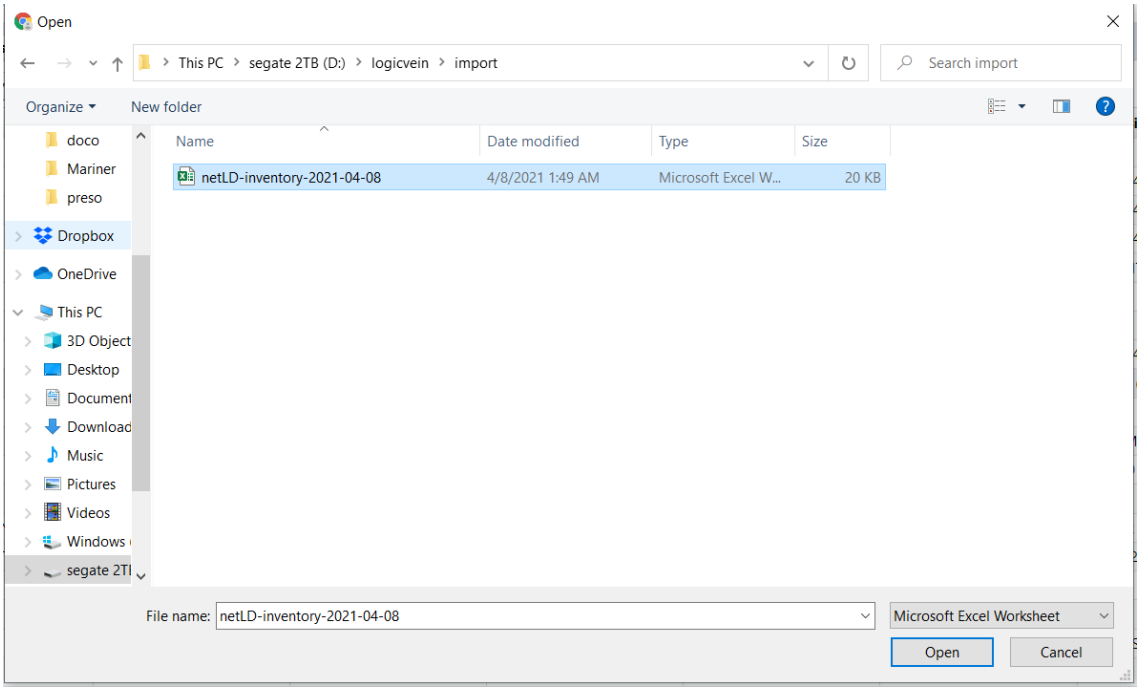
Hostname	Enter the device hostname.	×	
Custom 1～5	Enter the information for "Custom Device Field".	×	

1. Click Inventory> Import / Update Inventory from Excel File.



2. The file selection dialog is displayed. Select the edited file and click [Open].



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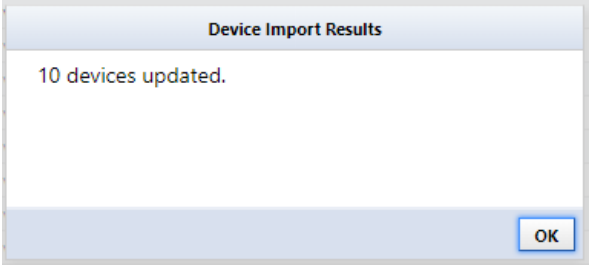
3. A confirmation message is displayed. Click [OK].



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7. Operation

This section describes the operations used in daily operations.

7.1 SSH / Telnet connection to the device

SSH / Telnet connection can be made to the monitored device from the device list or map. This function is called “terminal proxy” in NetLD. When using a terminal proxy, commands executed on the terminal and output results are automatically saved.

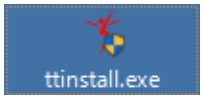
7.1.1 Preparations before use

The following preparations are required to use the terminal proxy.

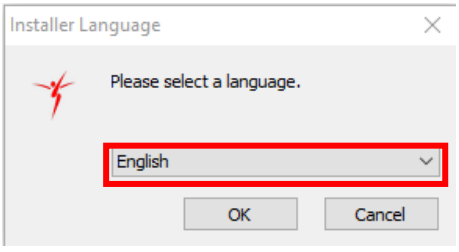
- Install Tera Term on the terminal to be operated
  The following preparations are required to use the terminal proxy.
- Install browser integration
  It is necessary to associate Tera Term with the browser connected to NetLD.

You can do this from the screen that appears when you start Terminal Proxy for the first time. The following describes the installation of Step 2 browser integration. For information on installing Tera Term, see the Tera Term manual.

1. Click [Install Integration].
2. Run the downloaded ttinstall.exe.



3. Select a language.



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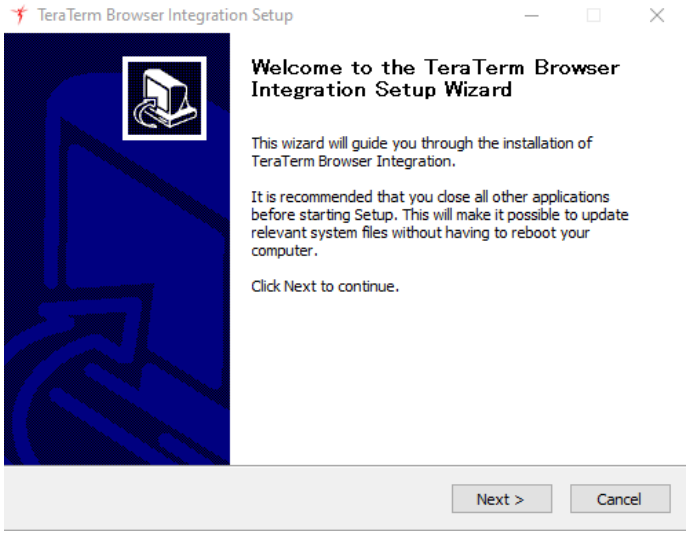
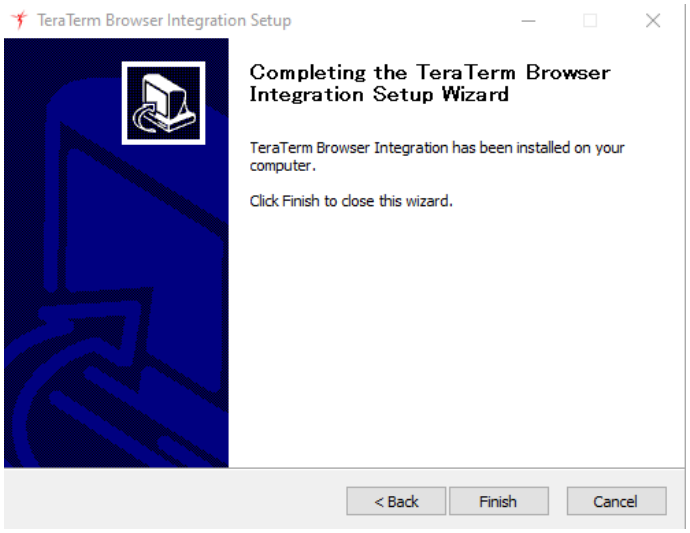
4. Click [Next].



5. Click [Finish].



Preparation is now complete.

For Step2, you may need to reset it when you clear the browser cache or update NetLD.

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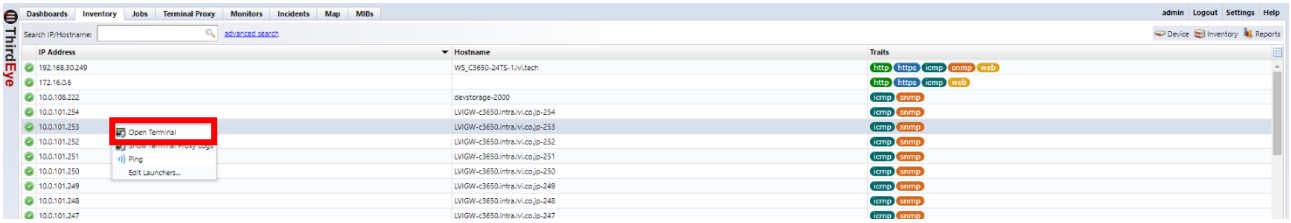
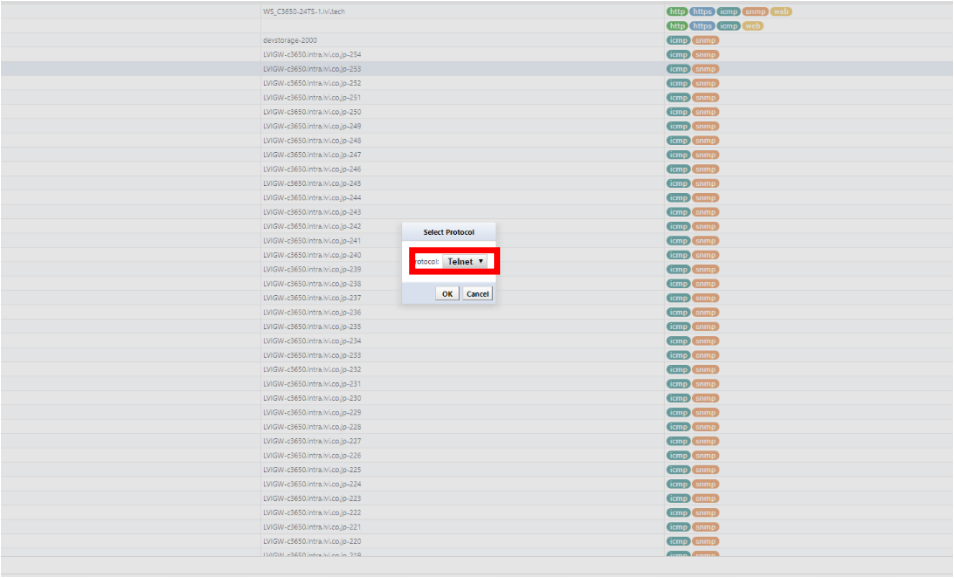
7.1.2 Starting the terminal

1. Select the [Inventory] tab.
2. Right-click the device to be connected to the terminal and select [Open Terminal].

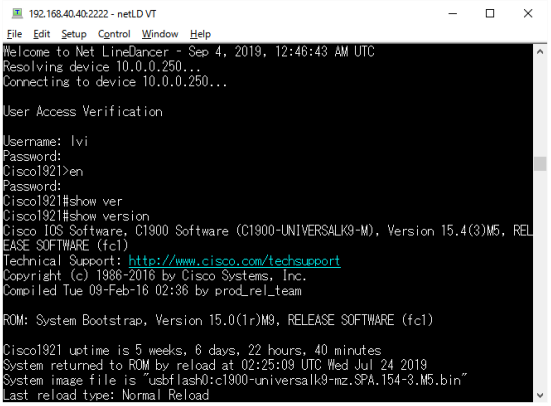


3. [Select Protocol] screen is displayed. Select the connection protocol and click [OK].



4. The terminal software “Tera Term” starts up and the device login screen appears.

* Log out of the device when you are finished.



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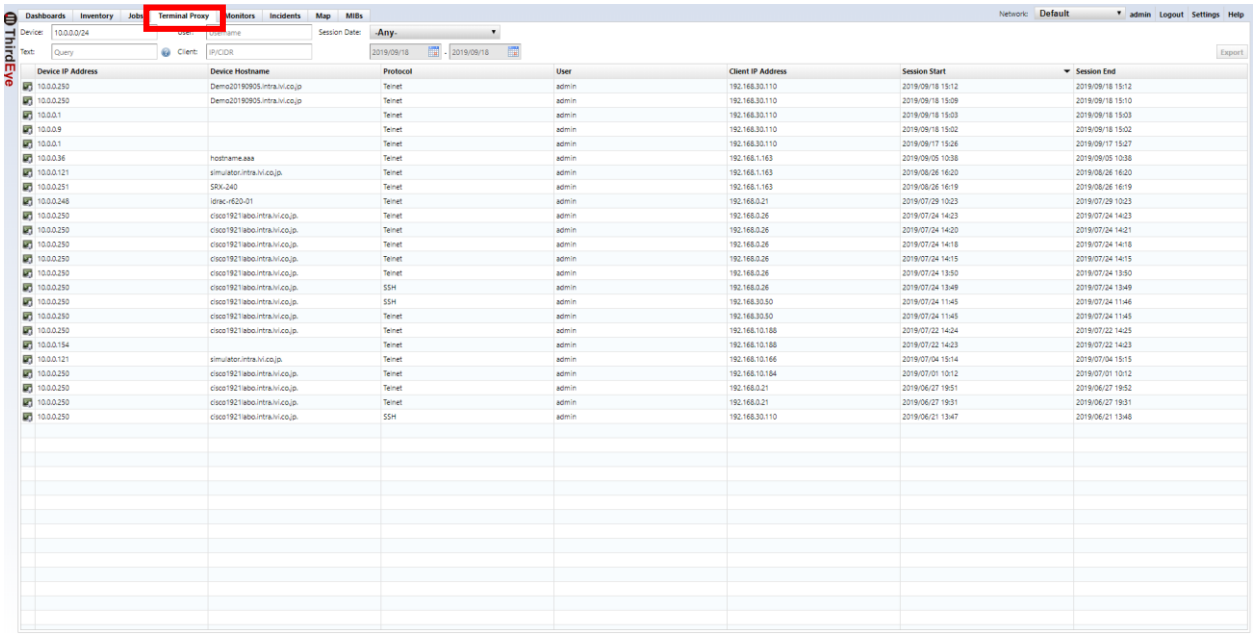
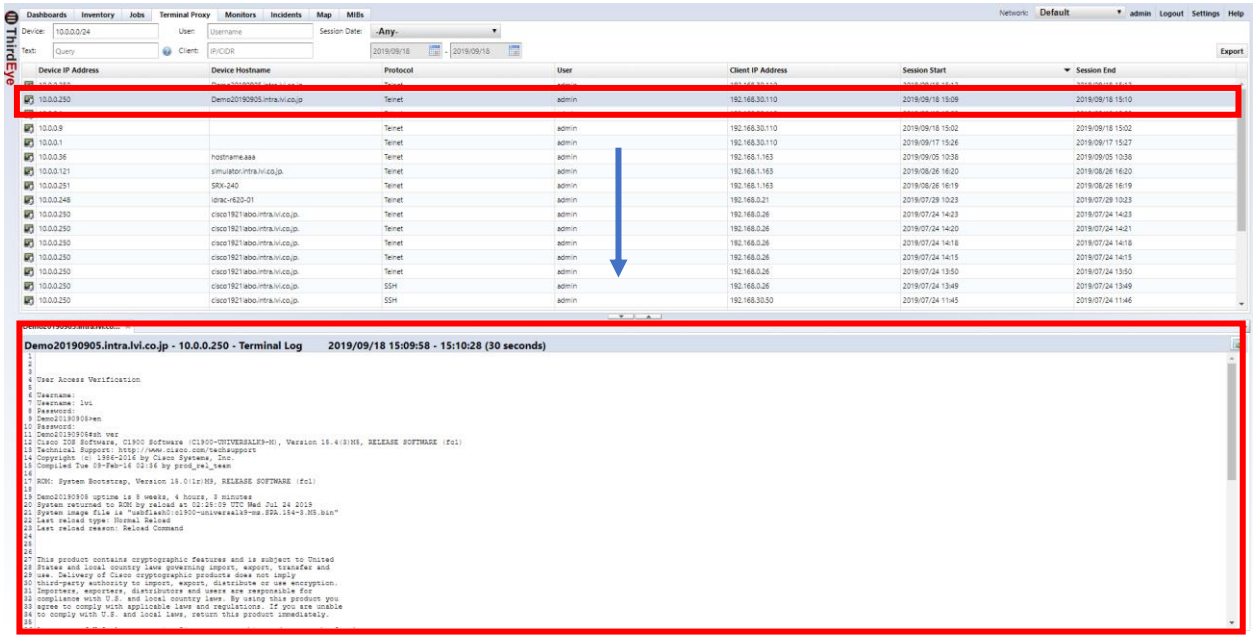
7.1.3 Checking operation logs

1. Select the [Terminal Proxy] tab.



2. Double-click the log you want to view from the list.

You cannot check the session log during connection.



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You can save the session data as a text file by clicking (Export)] in the upper right of the log screen. The file name will be “netLD-termlogs YYYY-MM-DD.zip” and will be collected in the ZIP file format. “YYYY-MM-DD” represents the date of saving.

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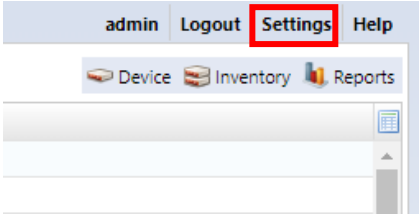
7.2 Registering users

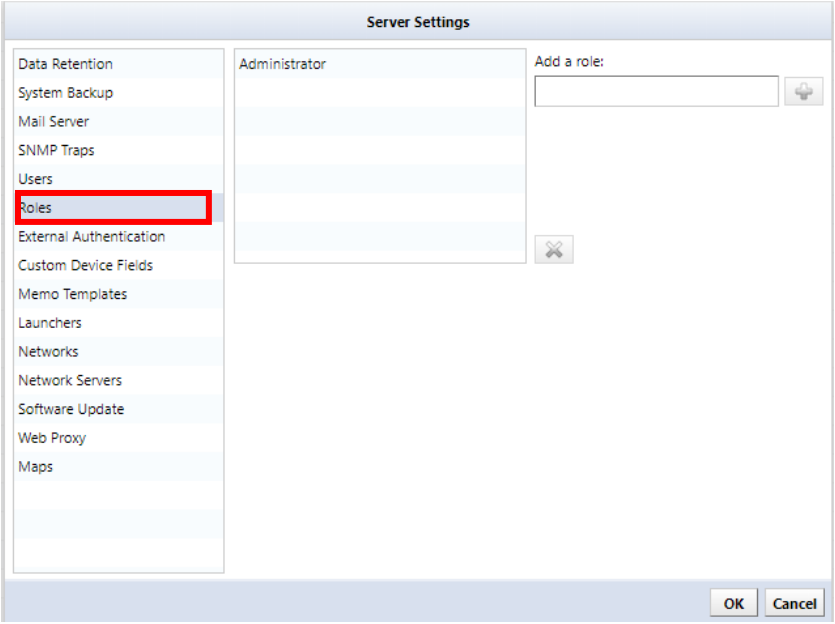
Create a user to log in to NetLD. By assigning permissions to users, you can limit the operations that users can perform. In NetLD, you can specify in detail by combining multiple permissions. Users and permissions can be set from [Settings] in the global menu.



7.2.1 Adding permissions

* “Administrator” who has all execution rights is registered. This authority cannot be deleted.

1. Click [Roles].



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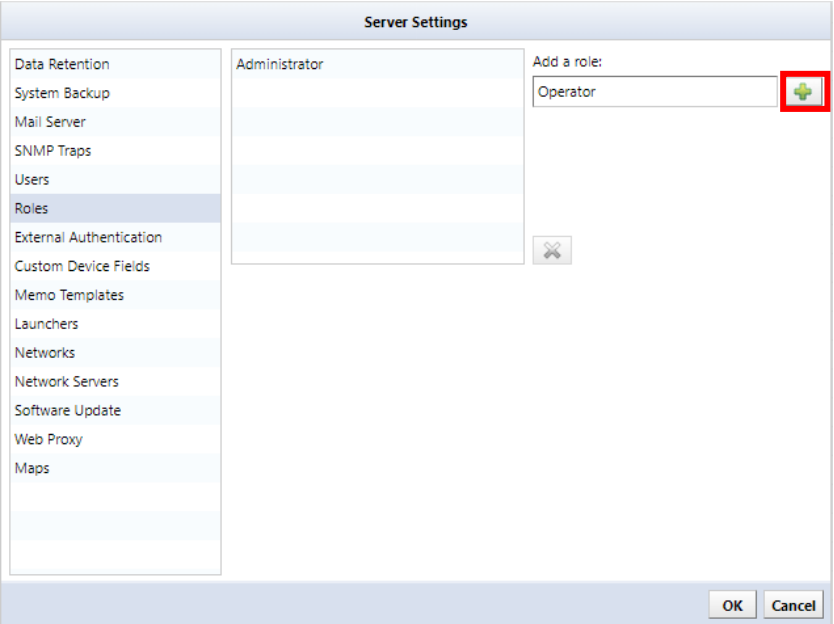
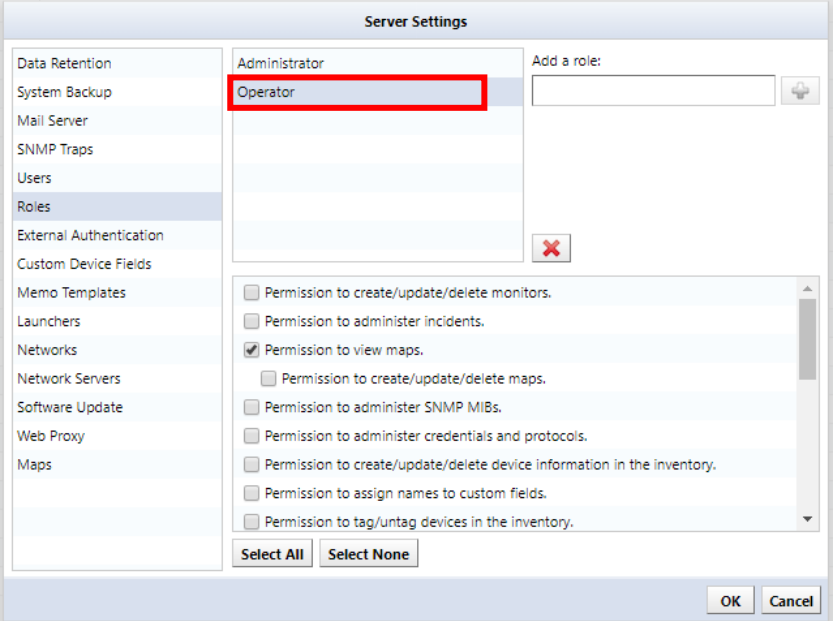
2. Enter the authority name in the [Add Authority] field and click [(Add)].



3. The authority name is added to the list and changes to the selected state. Check the required items from the authority items at the bottom right of the screen.



No.	Description
1	Permission to create/update/delete monitors.
2	Permission to administer incidents.
3	Permission to view maps.

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No.	Description
4	Permission to create/update/delete maps. (* No.3: Authority attached to “Permit map viewing”)
5	Permission to administer SNMP MIBs.
6	Permission to administer credential and protocols.
7	Permission to create/update/delete device information in the inventory.
8	Permission to assign names to custom fields.
9	Permission to tag/untag devices in the inventory.
10	Permission to administer scheduler filters.
11	Permission to run a device discovery job.
12	Permission to create/update/delete a device discovery job. (* No. 11: Authority attached to “Permit discovery execution”)
13	Permission to run a maintenance window job.
14	Permission to create/update/delete a maintenance window job. (* No.13: Authority attached to “Permit execution of unmonitored jobs”)
15	Permission to run a report.
16	Permission to create/update/delete a report job. (* No.15: Authority attached to “Permit report execution”)
17	Permission to create/update/delete URL launchers.
18	Permission to create/update/delete memos.
19	Permission to create/update/delete managed networks.
20	Permission to security settings.
21	Permission to create/update/delete inventory tags.
22	Permission to login using the terminal server proxy.
23	Permission to view other users’ terminal proxy logs.

4. Click on [OK].

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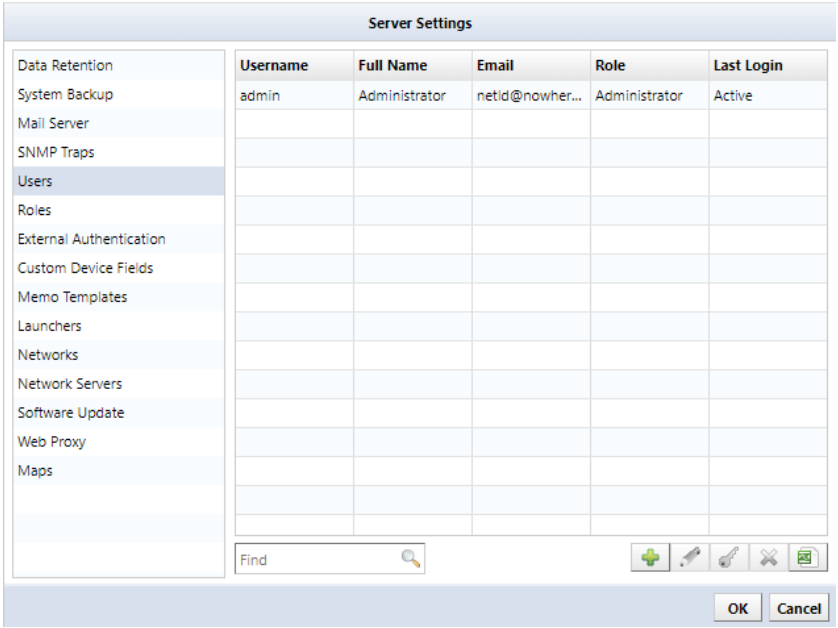
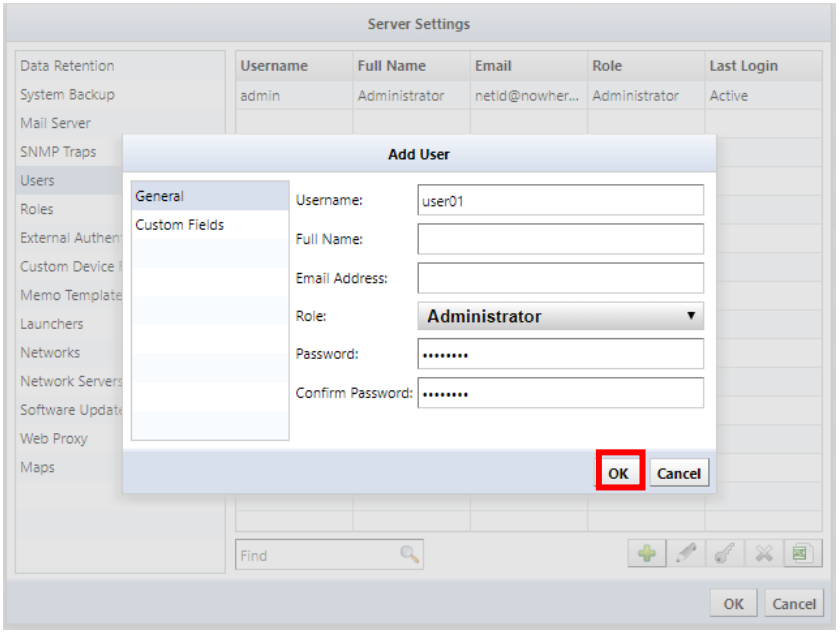
7.2.2 Adding users

* "Admin" user is registered. This user cannot be deleted.

1. Click [(Add)].



2. The Add User screen is displayed. Enter the items and click [OK].



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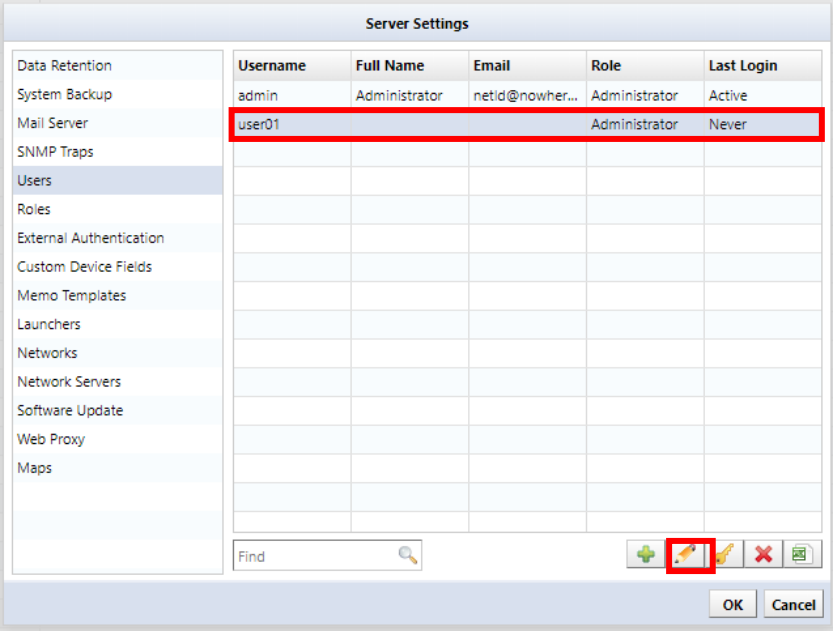
Category	Item	Explanation	Required
General	Username	Enter your username.	✓
	Full name	Enter the user's full name.	×
	Email Address	Enter the user's email address.	×
	Role	Select user permissions. The authority set in "7.3.1 Adding authority" can be selected from the pull-down menu.	✓
	Password	Set the user's password.	✓
Custom Fields	Custom 1～5	Select custom device fields that users can view. * The displayed item name changes based on the setting in “7.7 Change column name of custom device field”.	×

7.2.3 Changing user information

1. Select the user you want to edit and click [(Edit)].



2. The user edit screen is displayed. After editing, click [OK].

   * Username cannot be changed. If you want to change the password, set from [(Key)].

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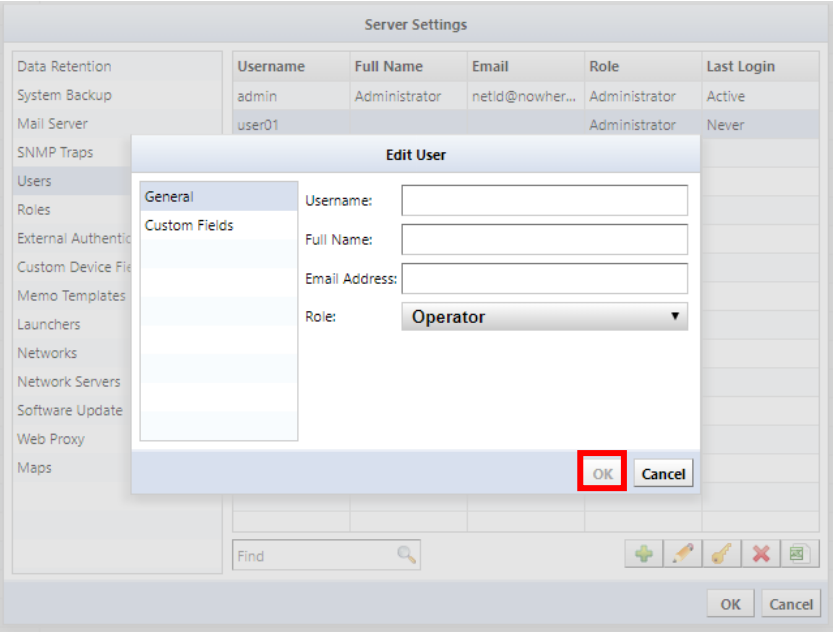
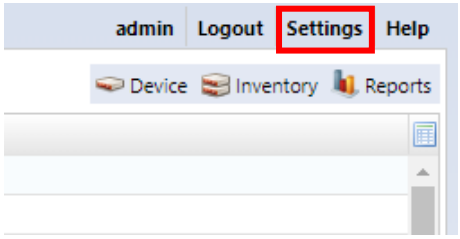


7.2.4 Changing the password of the logged-in user

You can change the password from the login username in the global menu. Here, the password for the username “admin” is changed.



Fill in the new password and password re-entry fields. Press the password change button to register a new password. If the new password and the re-entered string are different, the password change button will not be enabled.

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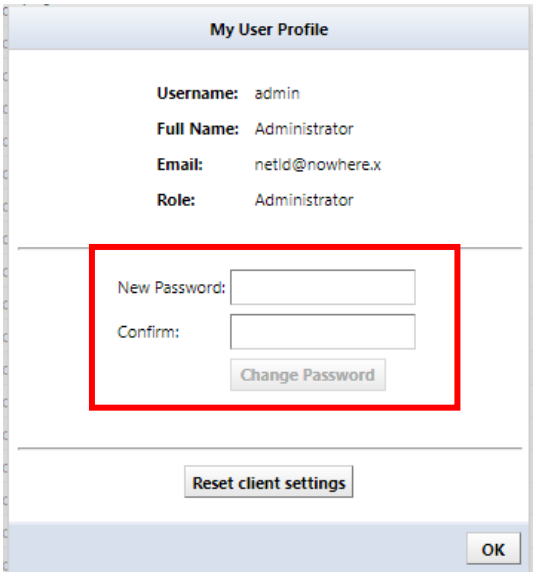

7.2.5 Linking with Active Directory or RADIUS server

With external authentication, you can log in to NetLD in cooperation with an authentication server that manages user information. This eliminates the need to register all users in advance in NetLD, reducing the work required during installation and organizational changes. External authentication can be set from [Settings] → [External Authentication] in the global menu.

i. RADIUS integration

Sends an Access-Request to the RADIUS server for authentication. In order to cooperate with the RADIUS server, it is necessary to set to send Access-Accept with Filter-Id.

1. Change the external authentication server selection from disabled to "RADIUS".

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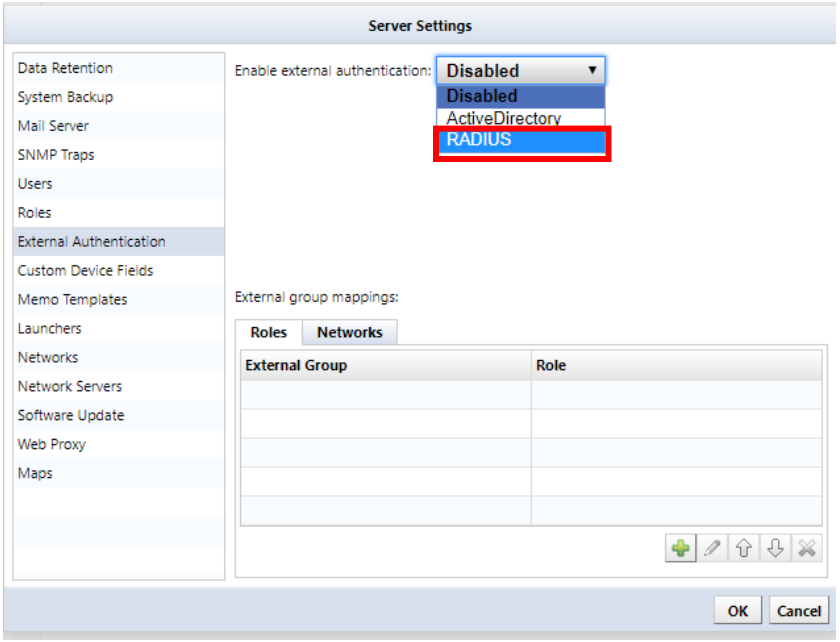
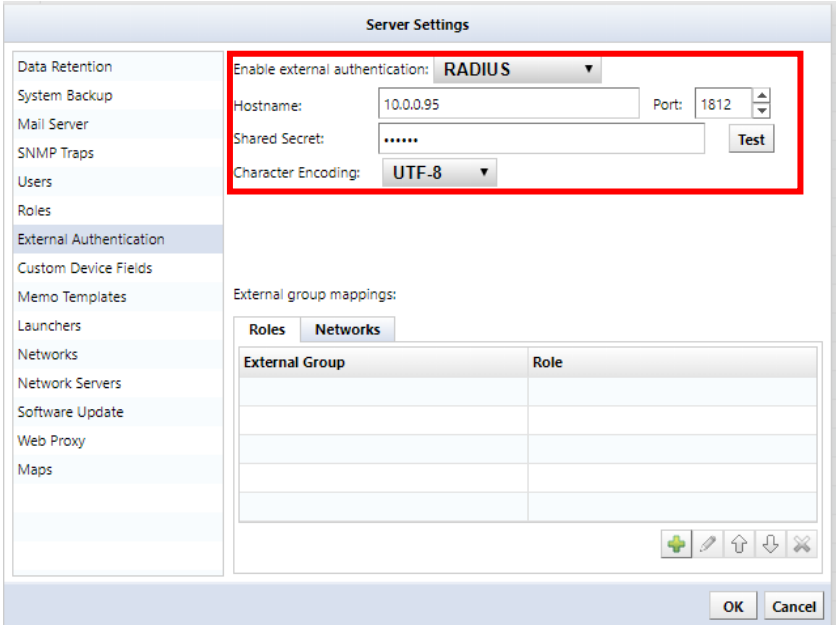
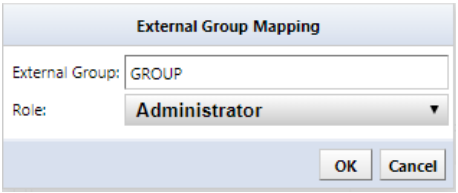


2. Set the IP address (or host name) and shared secret of the RADIUS server.



3. Set permissions for external group mapping. Add a new one from [(Add)].



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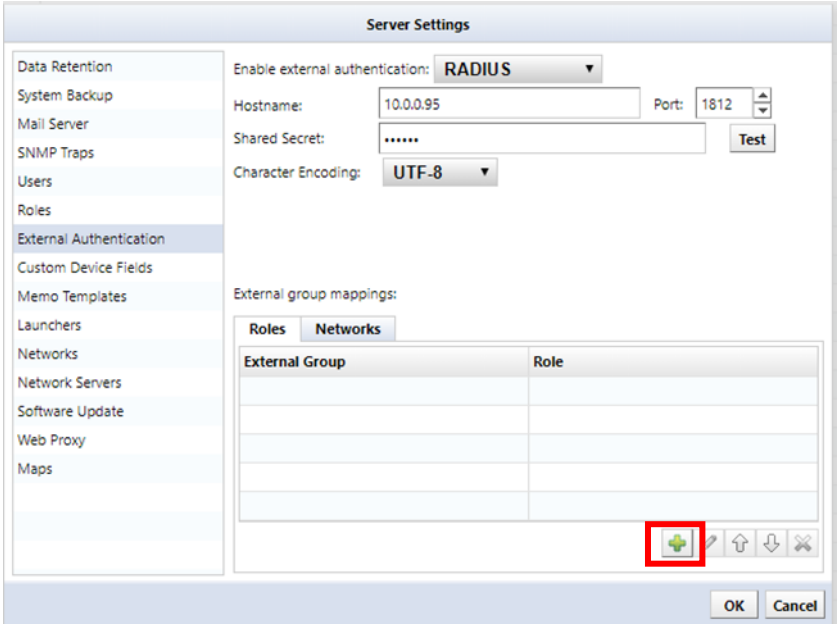
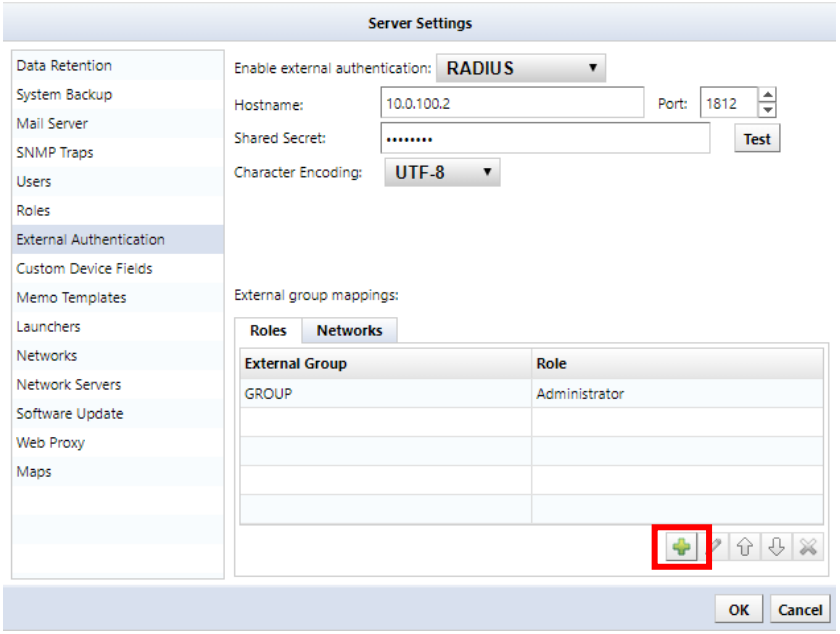
4. Enter the group set in Filter-Id of the RADIUS server in the external group and select the authority to be assigned.



5. Configure the network for external group mapping. Add a new one from [(Add)].



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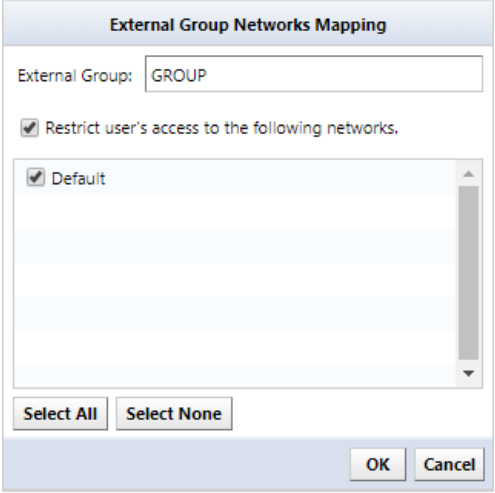
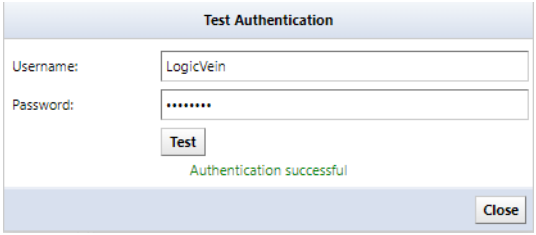
6. Select the network that can be browsed by entering the group set in the RADIUS server Filter-Id in the external group as well as the authority.



* You can browse networks with a check.

7. After setting, enter the username and password from the test, and click the test to check the cooperation with the RADIUS server. If there is no problem, “Authentication was successful” is displayed.



The setting is now complete. Click [OK] to save the server settings, log out, and log in as the user set in the RADIUS server.

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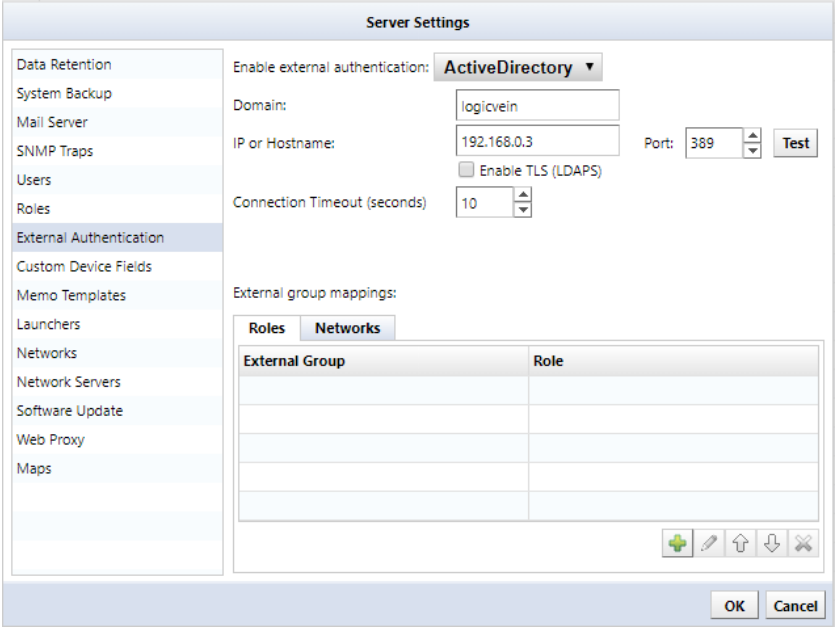
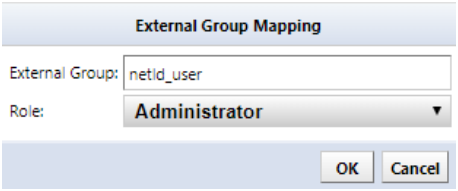
ii. Active Directory linkage

When linking with Active Directory server, authority and network are determined using the group to which the registered user belongs.

1. Change the external authentication server selection from disabled to "Active Directory".
2. Set the domain name and IP address (or host name) of the Active Directory server as follows. Set permissions for external group mapping. Add a new one from [(Add)].



3. Enter the group to which the user belongs in the external group and select the right to assign.



4. Configure the network for external group mapping. Add a new one from [(Add)].

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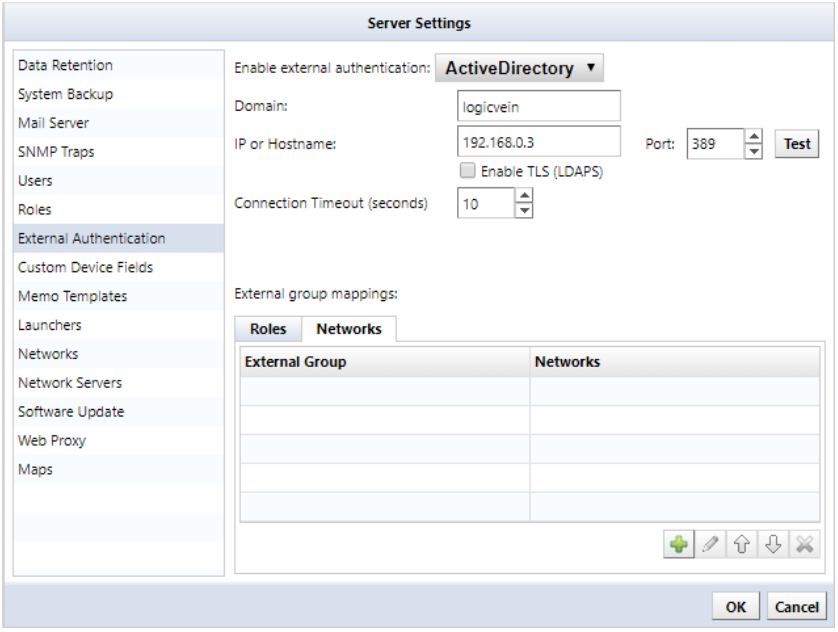
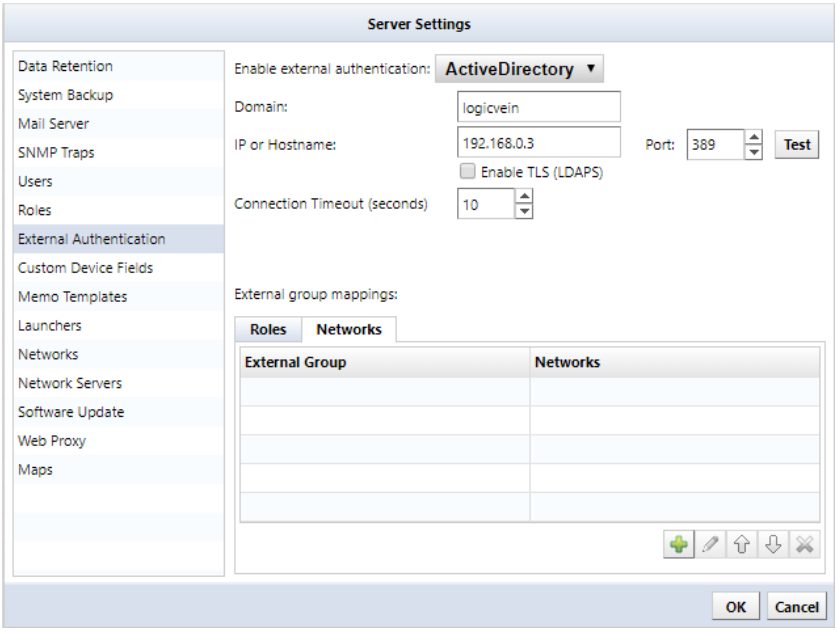


5. As with the authority, enter the group to which the user belongs in the external group and select the network that can be viewed.



6. After setting, enter the username and password from the test, and click the test to check the linkage with the Active Directory server. If there is no problem, “Authentication was successful” is displayed.

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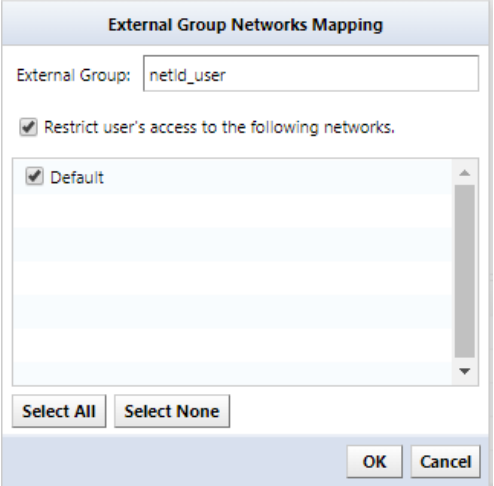
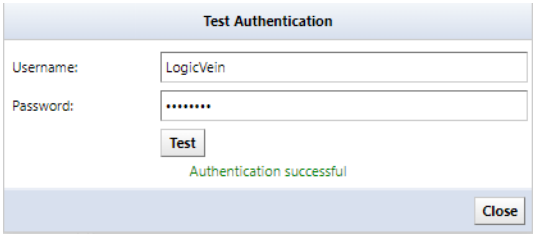


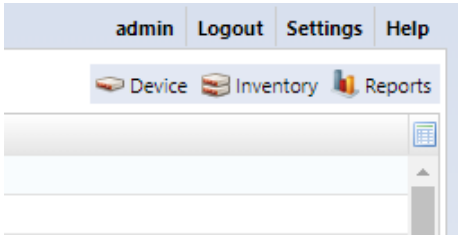
This completes the setting. Click [OK] to save the server settings, log out, and log in as a user set in the Active Directory server.



7.2.6 Setting user session timeout

With NetLD, users who have not operated for 30 minutes will need to authenticate again. To change this time, follow the procedure below.

1. Click [Settings] in the global menu.



2. Click [Network Servers] and change the "User Login Idle Timeout" time.

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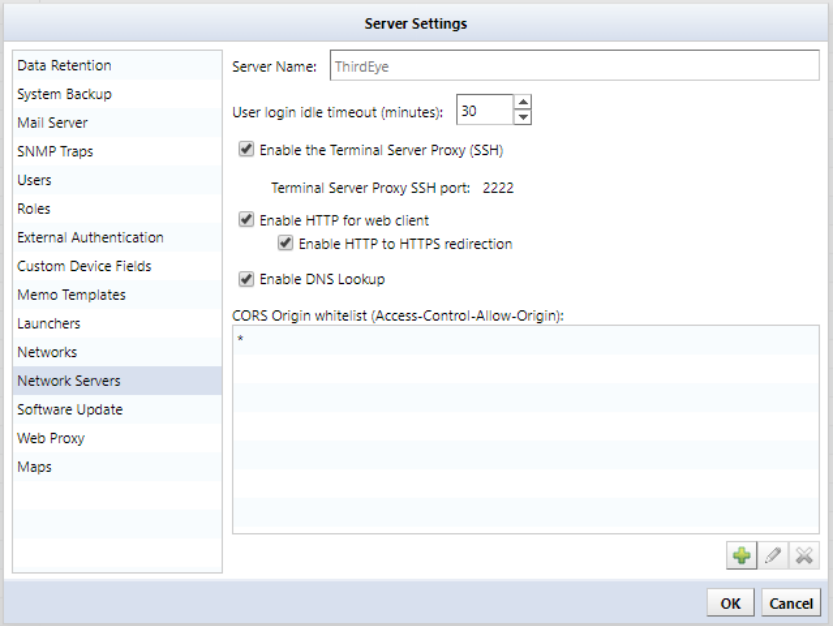

3. Click [OK].

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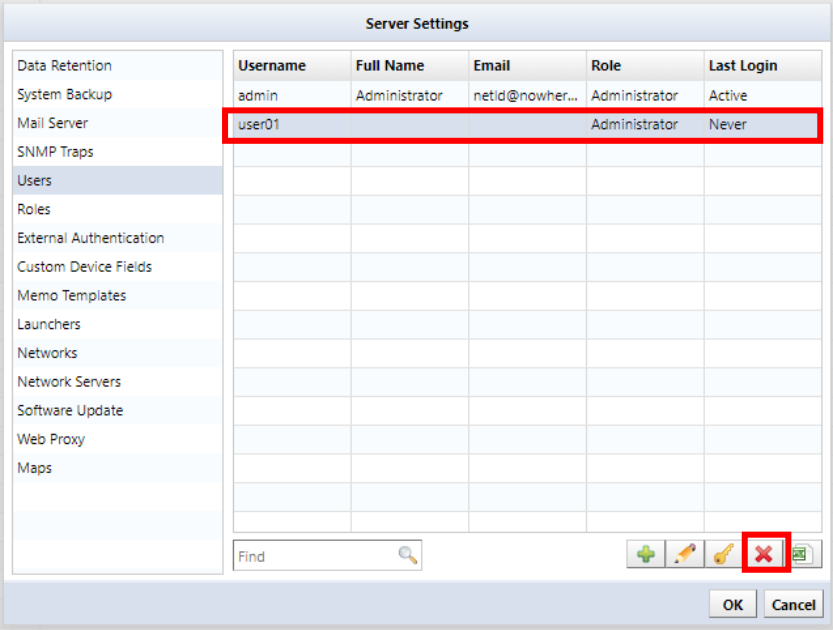
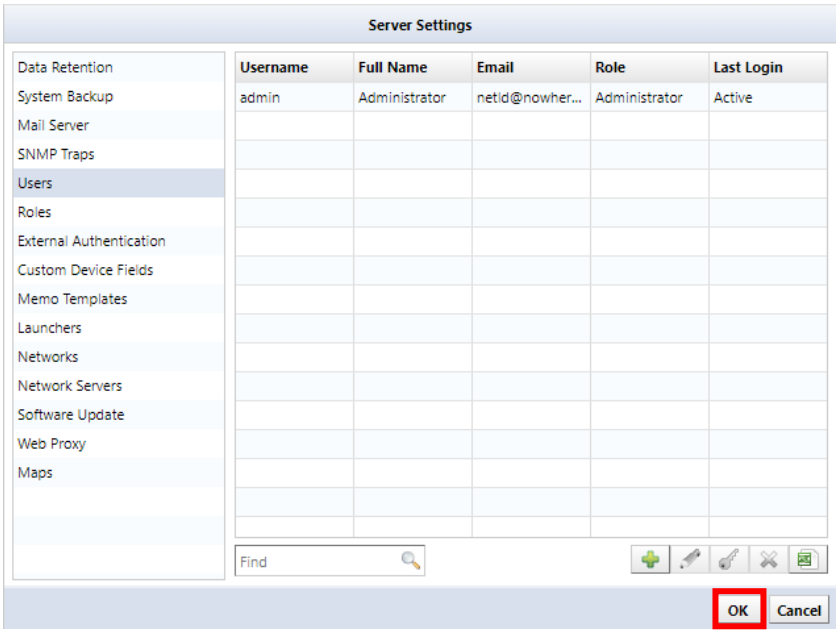
7.2.7 Deleting a user

1. Select the authority name you want to delete and click [(Delete)].



2. Click [OK] in the server settings.

* If you have deleted the user by mistake, click [Cancel].



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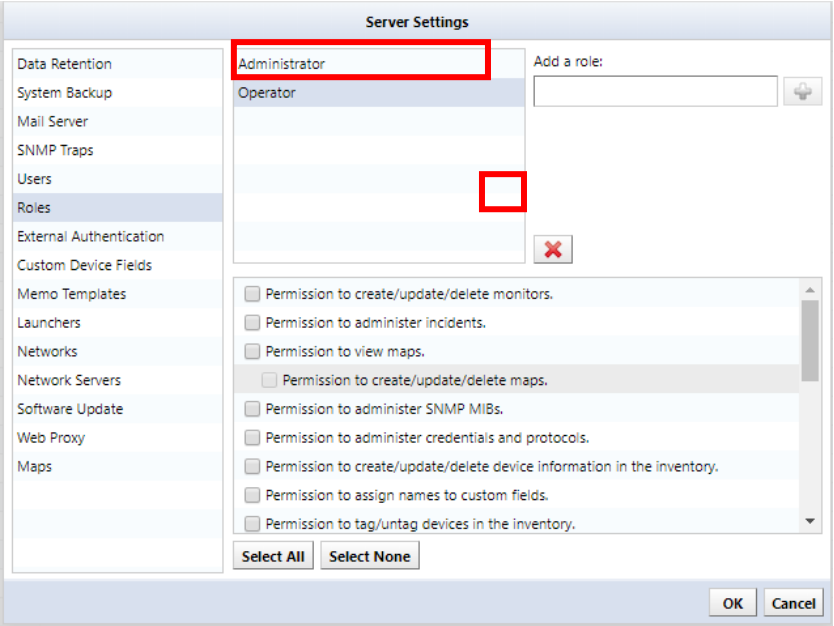
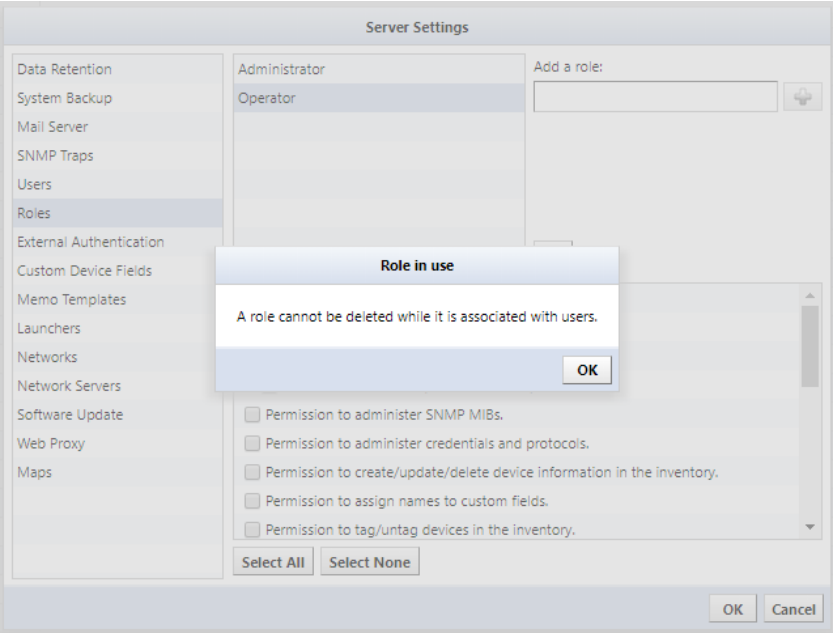
7.2.8 Deleting permissions

1. Select the authority name you want to delete and click [✖ (Delete)].



2. Click [OK] in the server settings.

* If you try to delete the authority being used, the following error will occur.
You cannot delete permissions that have been applied to users.
Please execute the deletion after reassigning the authority of the user being used.



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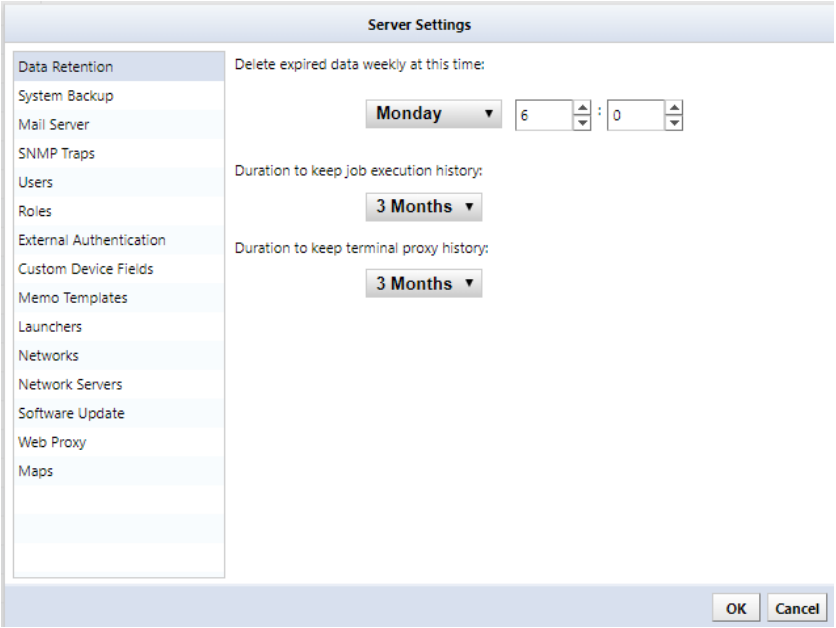
7.3 Changing the data retention period

In the data retention period, set the data retention period and the automatic deletion timing.



Description	Explanation
Delete expired date weekly this time	Data that has passed for a certain period is automatically deleted every week on the specified day of the week and time. (Initial value: Monday, 6:00) The data retention period is specified in the following items. (* If “No Expiration Date” is specified, data will not be deleted.)
Duration to keep job execution history	Specify the data retention period from [Jobs] → [Job History] from the following. (Initial value: 3 months) Unlimited", "3 months", "6 months", "9 months", "1 year"
Duration to keep terminal proxy history	Specify the data retention period on the [Terminal Proxy] tab from the following. (Initial value: 3 months) "Unlimited", "3 months", "6 months", "9 months", "1 year"

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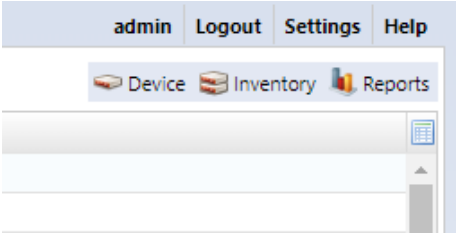
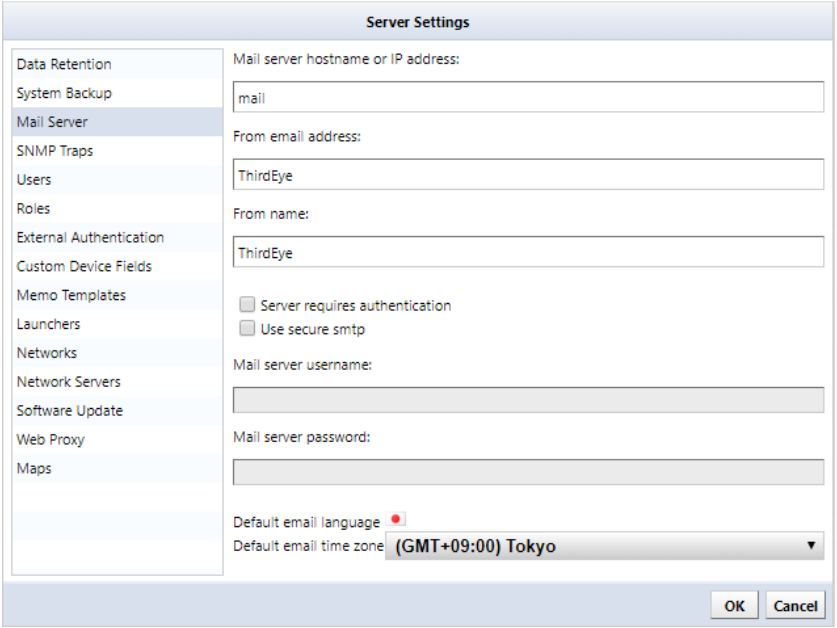
7.4 Setting up mail server

In the mail server, enter the SMTP server information for email notification from NetLD. If you want to send an e-mail or a dashboard report in the event of a failure, you need to set in advance.

1. Click [Settings] in the global menu.



2. Click [Mail Server] and enter the SMTP server information.



Description	Explanation
Hostname/IP address	Set the host name or IP address of the mail server. (Initial value: mail)
From email address	Specify the email address displayed as the sender (sender) of emails. (Initial value: NetLD)
From name	Specify the name to be displayed as the sender name (sender) of the mail. (Initial value: NetLD)
Server requires authentication	Set mail server authentication. If SMTP authentication is required, select the check box and set the following items. (Initial value: invalid) Mail server username… Authentication ID

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Description	Explanation
	Mail server password… Authentication password
Use secure smtp	Enable TLS.
Email Language	Set the mail display language. (Initial value: Japanese)
Email time zone	Set the email time zone. (Initial value: (GMT + 09: 00) Tokyo)

3. Click [OK].

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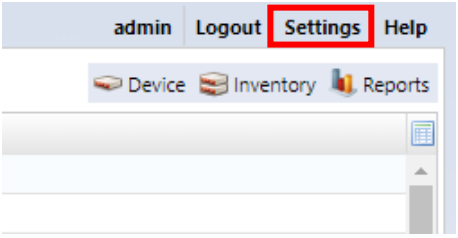
7.5 SNMP trap notification of NetLD specific events

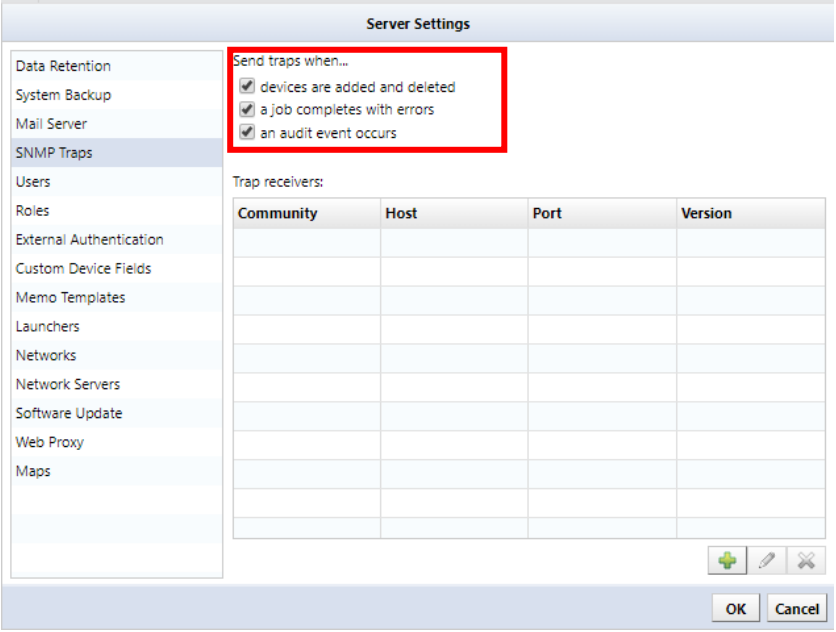
NetLD-specific events can be sent as traps. The following three events can be sent.

Description	Explanation
Devices add/delete	An SNMP trap is sent when a device is added / deleted.
Job fails	An SNMP trap is sent when a job fails.
Audit log	An SNMP trap is sent when a user logs in / out.

1. Click [Settings] in the global menu.



2. Click [SNMP Traps] and insert a check in the event to be sent.



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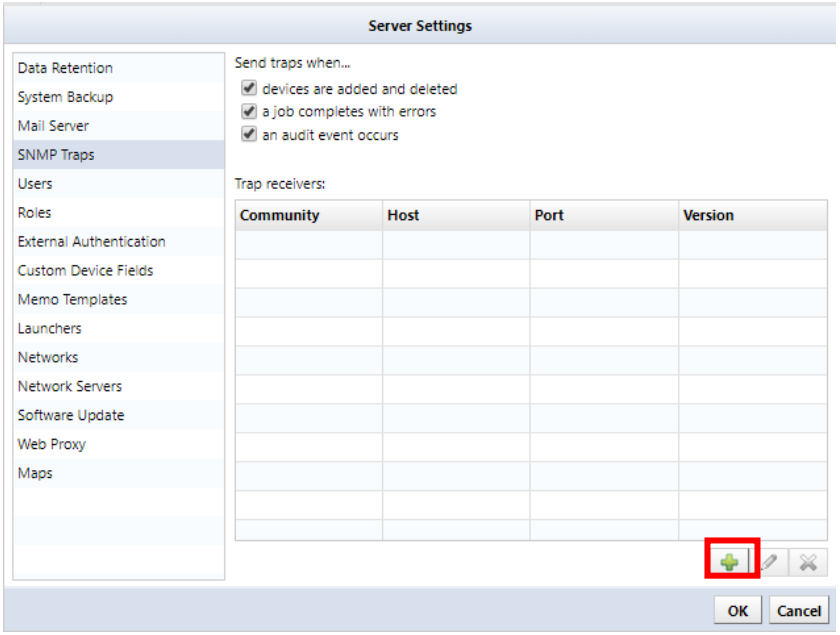
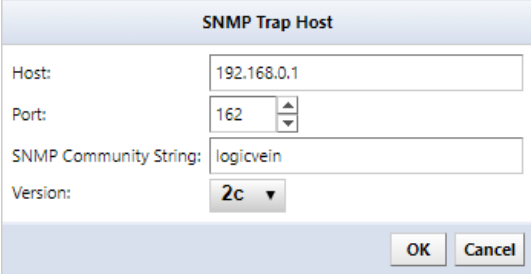
3. Click [(Add)]



4. Enter the trap destination information and click [OK].



Description	Explanation
Host	Enter the IP address or host name of the trap destination.
Port	Specify the trap destination port. (Initial value: 162)
SNMP community string	Enter the trap community name.
Version	Select the trap version. ("2c" is recommended)

5. Click [OK].

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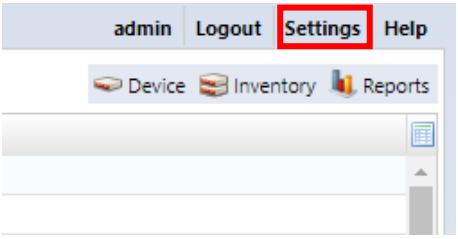
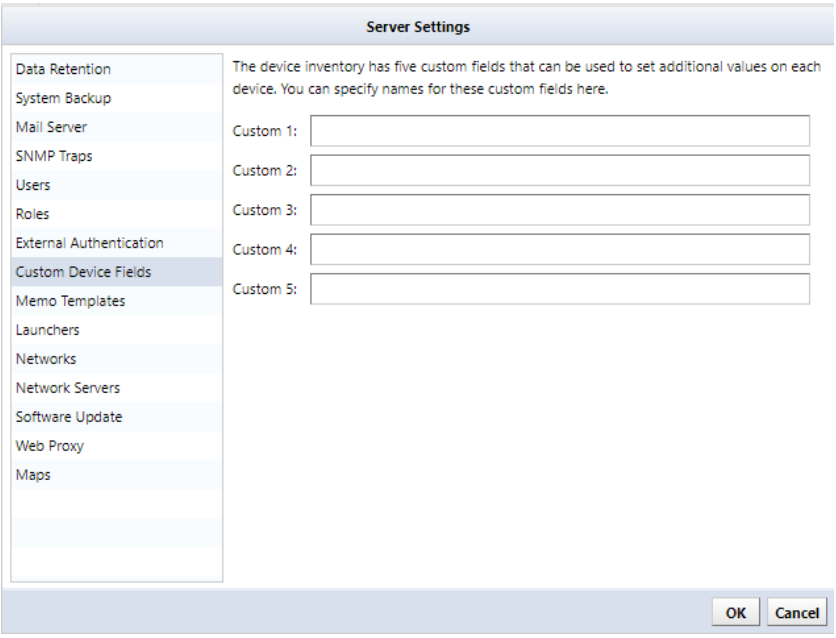
7.6 Changing column names in custom device fields

In the custom device field, you can set the name of the custom column used in the device tab or search.

1. Click [Settings] in the global menu.



2. Click [Custom Device Field].



3. Click [OK].

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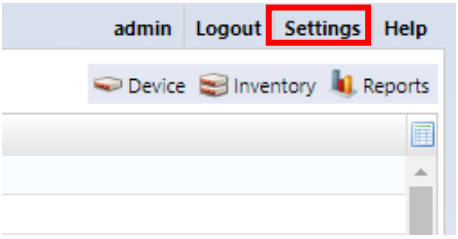
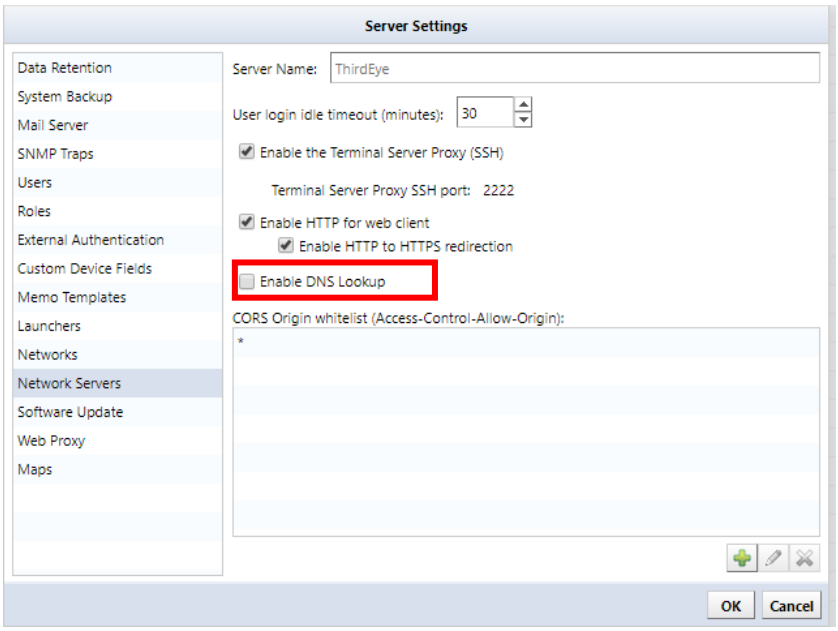
7.7 Use sysName as the host name

In NetLD, the host name displayed on the device tab is obtained from the DNS server and displayed. To use the host name (sysName) set for the device, make the following settings.

1. Click [Settings] in the global menu.



2. Click [Network Servers] and uncheck [Enable DNS Lookup].



3. Click [OK].

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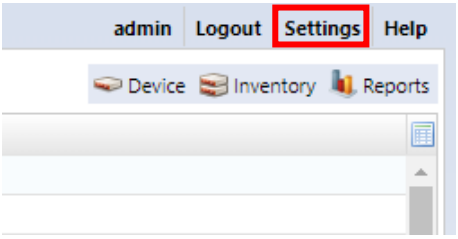
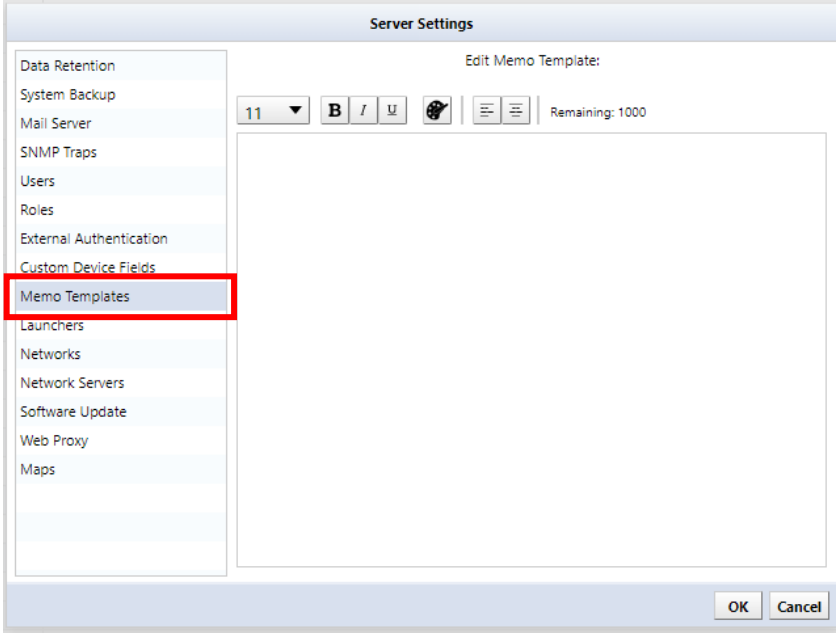
7.8 Editing a memo template

In the memo template, when you create a new device memo in the "memo" column of the inventory, you can set a template (template) that is automatically inserted.

1. Click [Settings] in the global menu.



2. Click [Memo Templates]



Description	Explanation
Font size	Change the font size.
Bold	Change the range specified characters to bold.
Italics	Change to italics.
Underline	Underline.
Text color	Change the text color.
Left-aligned	Set text alignment to left justification.
Centered	Set text alignment to center.
number of remaining characters	The number of remaining characters that can be entered.

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	* Regardless of full width / half-width, all characters are counted as one character.

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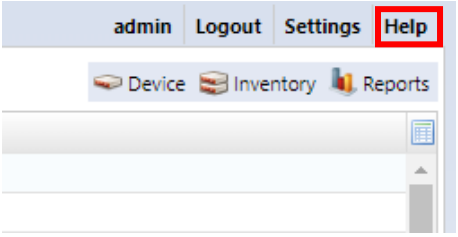
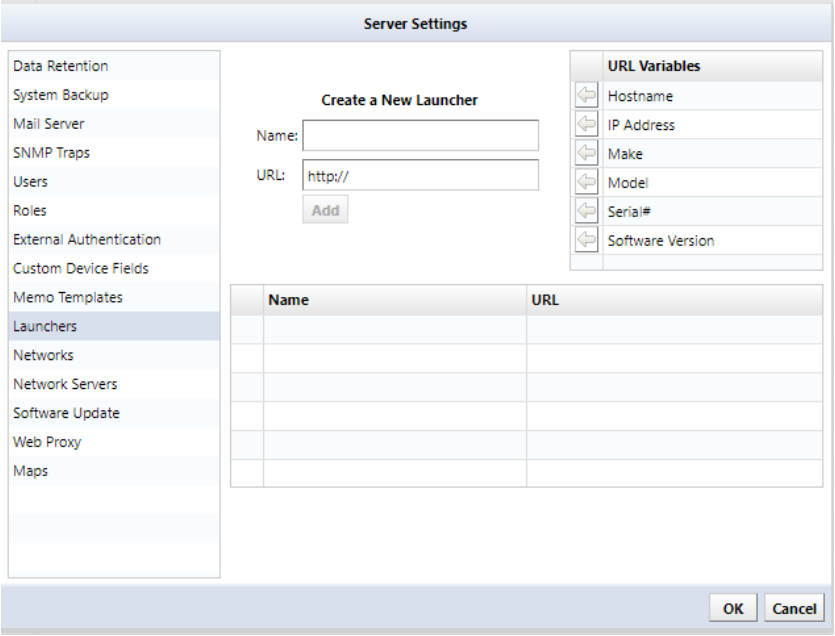
7.9 Adding a specific URL to the right-click menu

URL launcher is a shortcut function for easy access to a specific page. By registering the URL, you can access the page from the right-click menu.

1. Click [Settings] in the global menu.



2. Click [Launcher]



3. Enter a name and specify a URL.

   * The name is displayed as the menu name of the right-click menu.

【Explanation of URL variable】

Description	Explanation	Example
Hostname	Quote the device hostname.	When a device with hostname = netLD.co.jp is selected, the "{device.hostname}" part of the URL is replaced with "netLD.co.jp". http://{device.hostname}

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Description	Explanation	Example
		⇒ http://netLD.co.jp
IP address	Quote the device's IP address.	When the device with IP address = 192.168.0.1 is selected, the "{device.ipAddress}" part of the URL is replaced with "192.168.0.1". http://{device.ipAddress} ⇒ http://192.168.0.1
Vender	*Cannot use it.	http://{device.hardwareVendor}
Model	*Cannot use it.	http://{device.model}
Serial	*Cannot use it.	http://{device.assetIdentity}
Version	*Cannot use it.	http://{device.osVersion}

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7.10 Update license

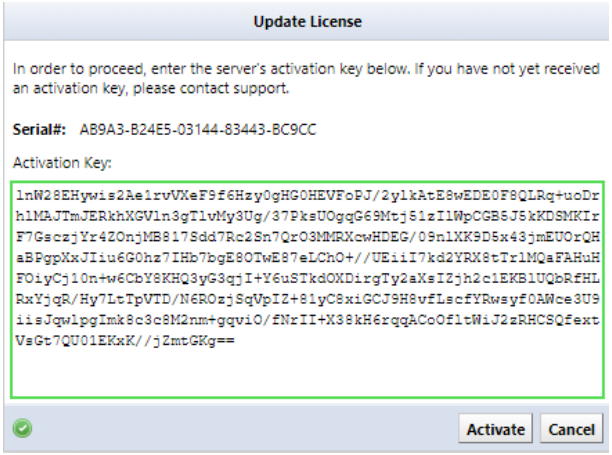
If the number of license nodes is increased or support is updated, the applied licenses must be.

* This operation can only be performed by a user with NetLD Administrator privileges.

1. Click [Help] → [About] on the global menu.

2. Click [update license].

In online environment, the license is automatically updated. In the offline environment, the screen for entering the activation key is displayed. Please update your activation key in advance.



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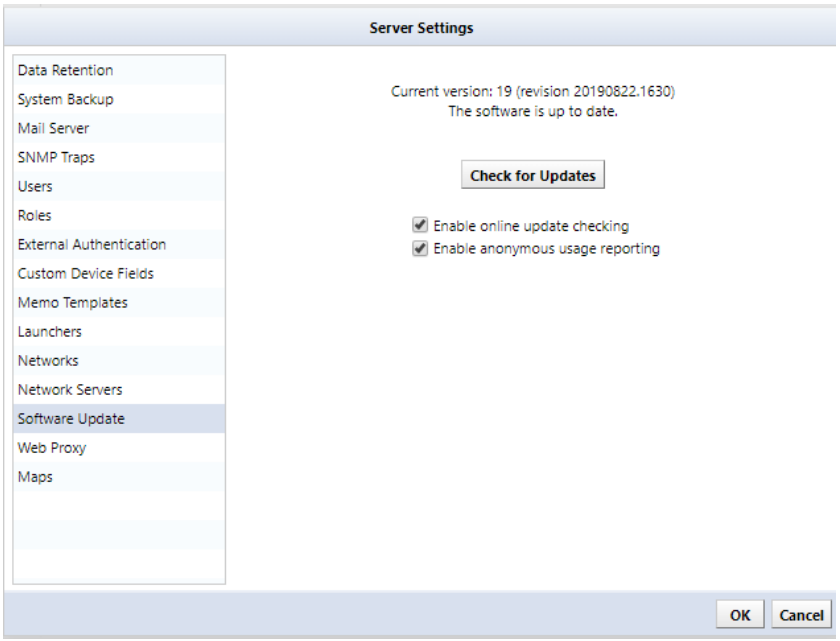
7.11 Updating online

NetLD can be updated via the Internet. Software update is a setting related to online update of software version. Software update settings only work in an environment where you can connect to the Internet.



Description	Explanation
Check for Updates	Click [Check for Updates] to check for updates online.
Enable Online Update Check	If [Enable Online Update Check] is checked, it will periodically check for updates. (Initial value: Enabled)
Enable anonymous usage reporting	If [Enable anonymous usage reporting] is checked, Send usage data anonymously. (Initial value: enabled)

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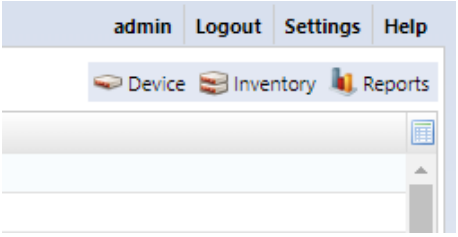
7.12 Using a proxy server

When using software update or license update online via a proxy server, set the proxy server information.

1. Click [Settings] in the global menu.



2. Click [Web Proxy] and enter the proxy server information.

Description	Explanation
Proxy type	Select the proxy server type from the following. (Initial value: None) "None", "Web Proxy", "SOCKS4 Proxy", "Secure Web Proxy"
Host	Specify the IP address or host name of the server used as a proxy.
Port	Specify the port number on the proxy server. (Initial value: 8080)
Realm	Specifies the proxy authentication realm. If no realm is required, do not specify a value.
Username	Specify the username sent to the proxy server.
Password	Specify the password to send to the proxy server.

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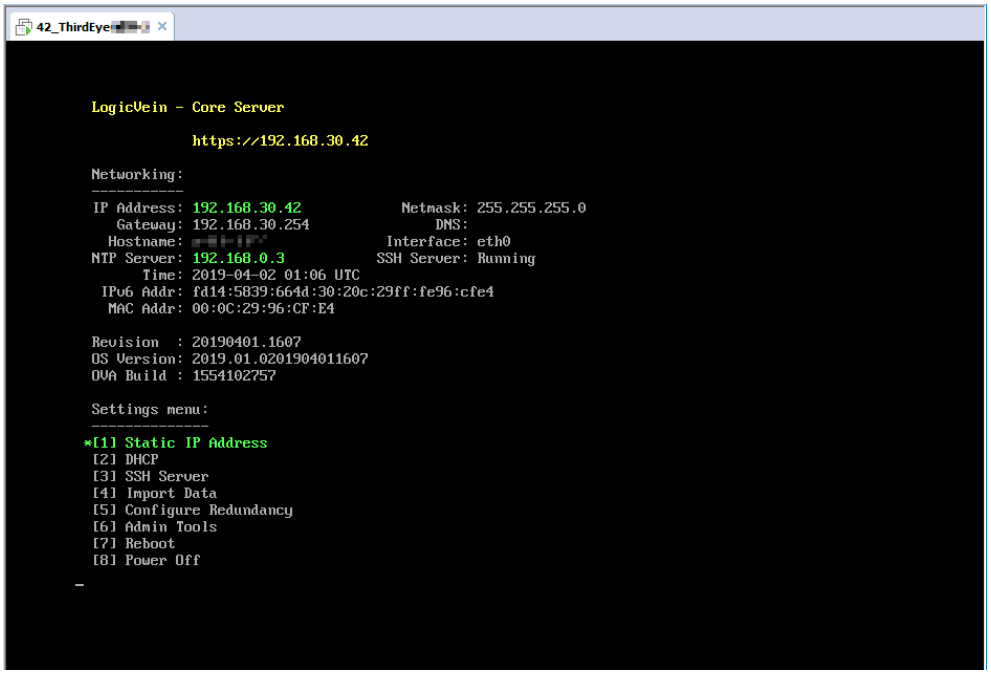
8. Reboot／Power Off

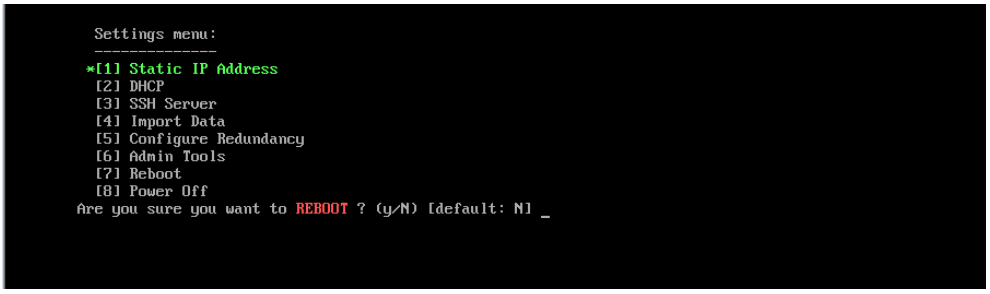
Restart and shut down by connecting to the virtual machine.



Restart and shut down by connecting to the virtual machine.

To restart, press the “7” key on the keyboard and select [Reboot].After selecting the menu, a confirmation message is displayed. Press the “Y” key on the keyboard to execute.

【REBOOT】



【POWER OFF】

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9. Contact

If you have any problems or questions during the operation of NetLD, please contact our support below.

Please confirm the necessary items below before making an inquiry.

[Required]

1. Product name
2. Product version information (including revision)
3. Product serial number (NetLD license information)
4. Specific symptoms and questions (Sending screenshots may facilitate information sharing and may help resolve issues)

■Contact information■
support@logicvein.com

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10. Appendix

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