



NetIQ Advanced Authentication
Framework - Server
Installation Guide

Version 5.1.0

Table of Contents

	1
Table of Contents	2
Introduction	3
About This Document	3
System Requirements	4
Installing Server	5
Graphic Mode	6
Text Mode	10
Configuration Console	13
Configuring Appliance Networking	14
Configuring Timezone and NTP Servers	17
Rebooting Appliance	21
Shutting Down Appliance	22
Configuring Network	23
Configuring Network in the Graphic Mode	24
Configuring Network in the Text Mode	27
Troubleshooting	30
Partition Disks	30
Index	31

Introduction

About This Document

Purpose of the Document

This Installation Guide is intended for system administrators and describes how to install NetIQ Advanced Authentication Framework Server.

Document Conventions

This document uses the following conventions:



Warning. This sign indicates requirements or restrictions that should be observed to prevent undesirable effects.



Important notes. This sign indicates important information you need to know to use the product successfully.



Notes. This sign indicates supplementary information you may need in some cases.



Tips. This sign indicates recommendations.

- | Terms are italicized, e.g.: Authenticator.
- | Names of GUI elements such as dialogs, menu items, and buttons are put in bold type, e.g.: the **Logon** window.

System Requirements

Before installing the product, check that the following system requirements are fulfilled:

Minimum hardware requirements for each appliance:


- | 40 GB disk space
- | 2 Cores
- | 1 GB RAM

Supported browsers for administration tasks:

- | Internet Explorer 10.0 and later
- | Google Chrome 38.0 and later
- | Mozilla Firefox 33.0 and later

Installing Server


NetIQ Server is intended for processing requests for authentication coming from the NetIQ Advanced Authentication Framework system users. There should be at least one NetIQ Server in the domain to provide system workflow.

 To increase performance, it is recommended to install several NetIQ Servers in the domain. In this case, the servers will automatically join in a cluster and function as an integral authentication service. It will increase not only the speed of the requests processing, but also the safety of the whole system. Installing several NetIQ Servers also increases fault tolerance. If for some reason one of the servers stops, the user still has a possibility to logon by authenticator.

Perform NetIQ Server installation using one of the following methods:

- | [Graphic Mode](#)
- | [Text Mode](#)

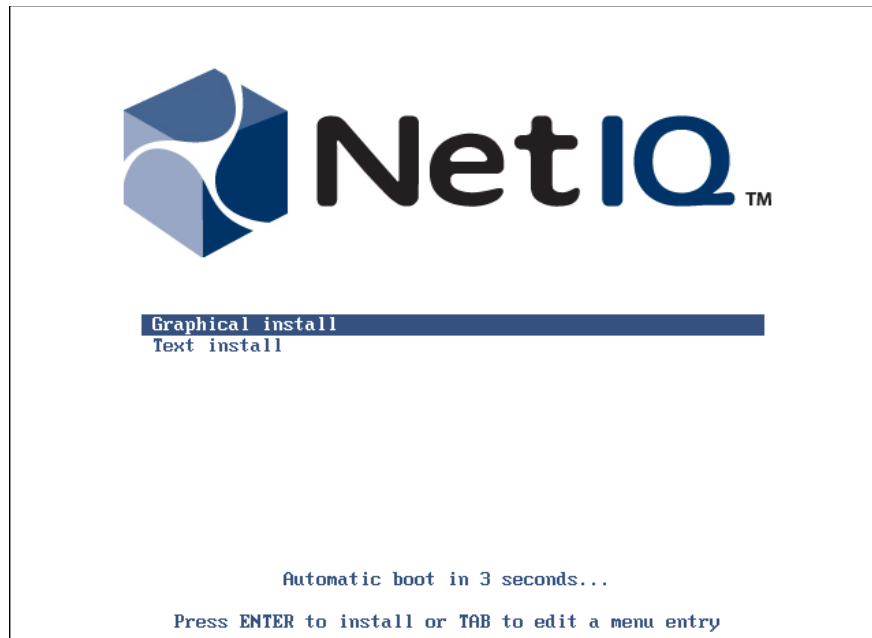
Graphic Mode

 The **Graphical install** menu entry will be selected automatically within several seconds after the launch of the Setup Wizard.

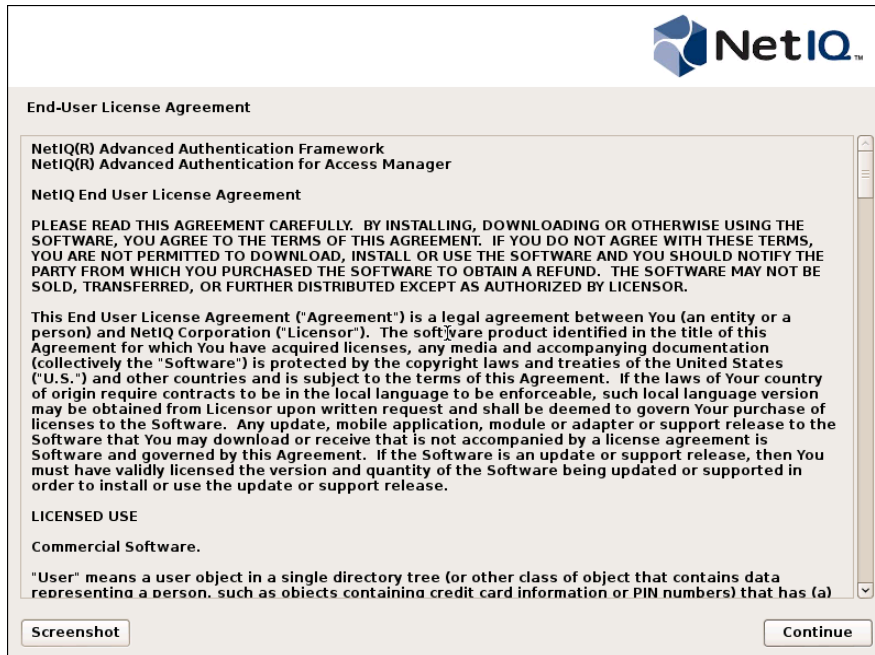
 To cancel the installation, click the **Cancel** button. The button is available only for certain processes of installation.

To install NetIQ Server in the graphic mode:

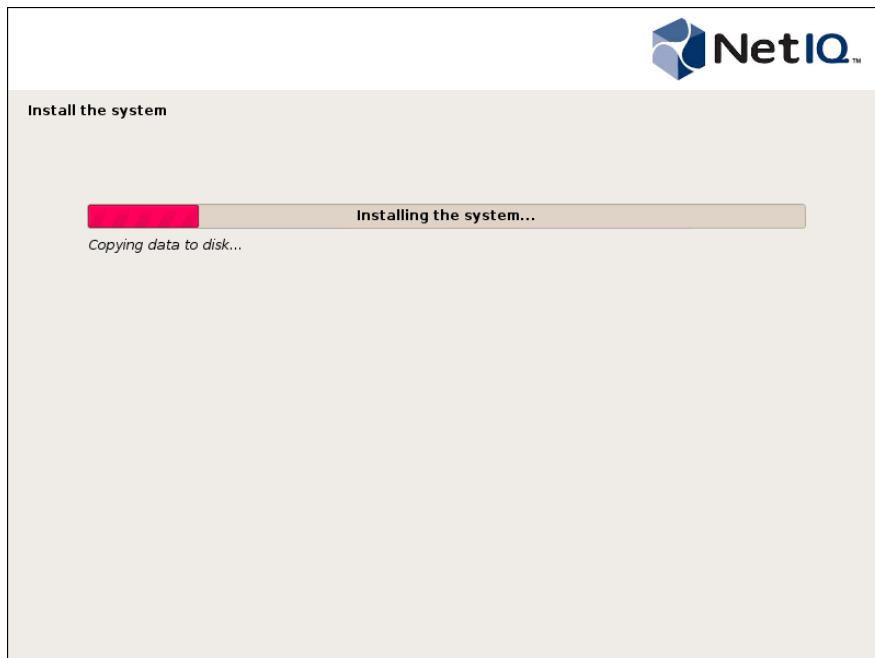
1. Select the **Graphical install** menu entry in the Setup Wizard and press **ENTER**.




2. Read the license agreement. Select **I agree** at the bottom and click **Continue**.

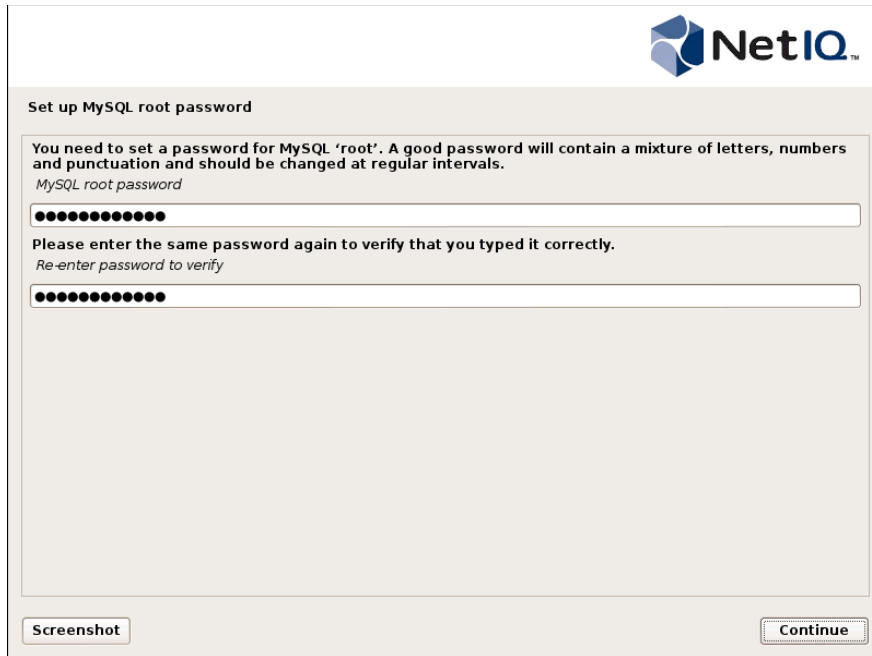




3. The installation will be automatically started.



 If your network is not using the DHCP protocol, it will be required to configure it manually. For more information, see the [Configuring the Network in the Graphic Mode](#) chapter.

4. Set up MySQL root password:
 1. Enter a password for MySQL 'root'.
 1. Confirm the password to verify its correctness.



-  A strong password should contain letters, numbers and punctuation.
-  To make the screenshot of the current view, click the **Screenshot** button. The path to the screenshot location will be displayed in the notification pop-up window.


5. Click **Continue** to finish NetIQ Server installation.
6. Wait until the system reboots. The **Configuration Console** will be started.

AUCORE appliance services

User UI: <https://10.2.0.208>
Admin UI: <https://10.2.0.208/admin>
This console: Alt + F8
Monitor: Alt + F9-F12

<Advanced Menu>

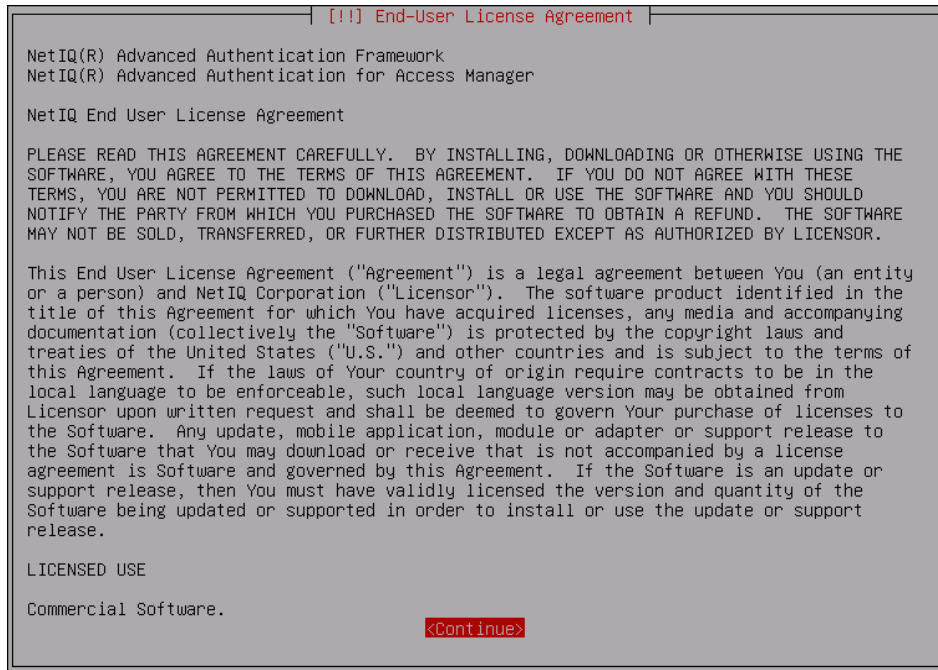
Text Mode

 It is required to select the **Text install** menu entry within several seconds after the launch of the Setup Wizard. Otherwise the **Graphical install** menu entry will be selected automatically and NetIQ Server will be installed in the graphic mode.

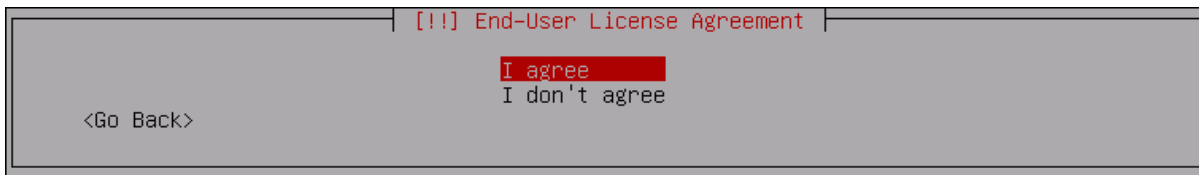
To install NetIQ Server in the text mode:

1. Select the **Text install** menu entry in the Setup Wizard and press **ENTER**.

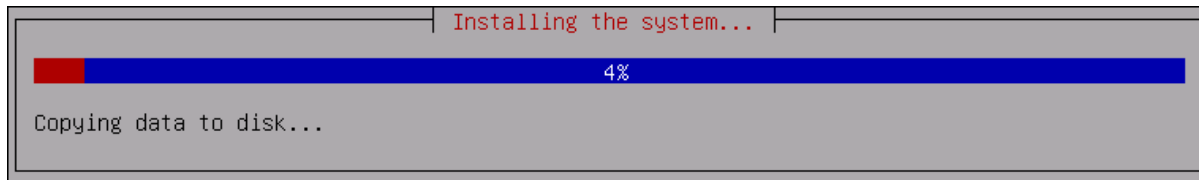





2. Select **I agree** to continue installation.

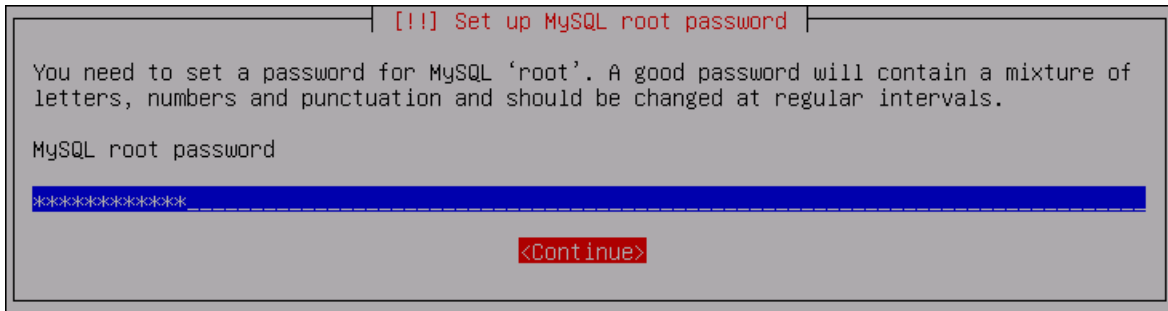


3. The installation will be automatically started.

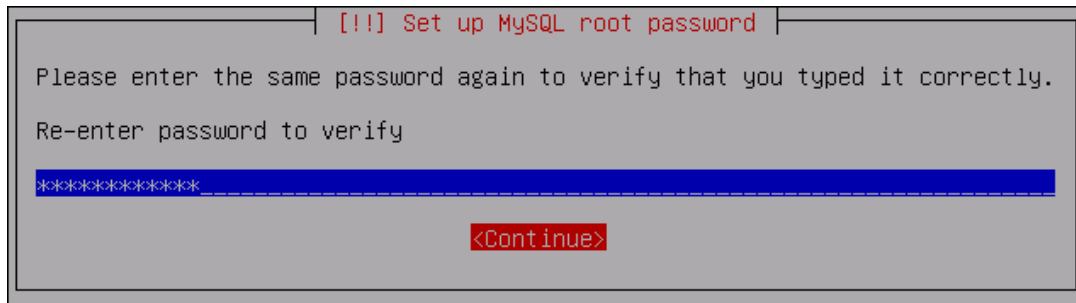


 If your network is not using the DHCP protocol, it will be required to configure it manually. For more information see the [Configuring the Network in the Text Mode](#) chapter.

4. Set up MySQL root password:
 1. Enter a password for MySQL 'root'. Select **Continue**.

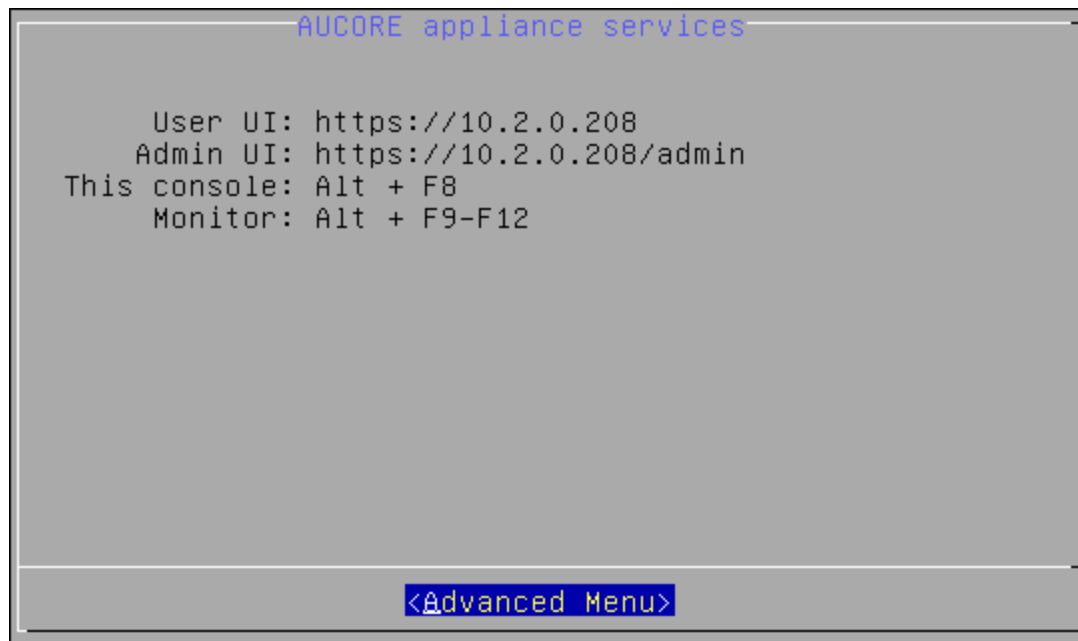


- Confirm the password to verify its correctness. Select **Continue**.



i A strong password should contain letters, numbers and punctuation.

- The NetIQ Server installation will be finished.
- Wait until the system reboots. The **Configuration Console** will be started.



Configuration Console

The Configuration Console is intended for managing NetIQ Server appliance, namely:

- | [Configuring appliance networking](#)
- | [Configuring timezone and NTP servers](#)
- | [Rebooting appliance](#)
- | [Shutting down appliance](#)

The Configuration Console is launched after NetIQ Server appliance installation. It contains Admin UI and User UI addresses.

```
AUCORE appliance services

User UI: https://10.2.0.208
Admin UI: https://10.2.0.208/admin
This console: Alt + F8
Monitor: Alt + F9-F12

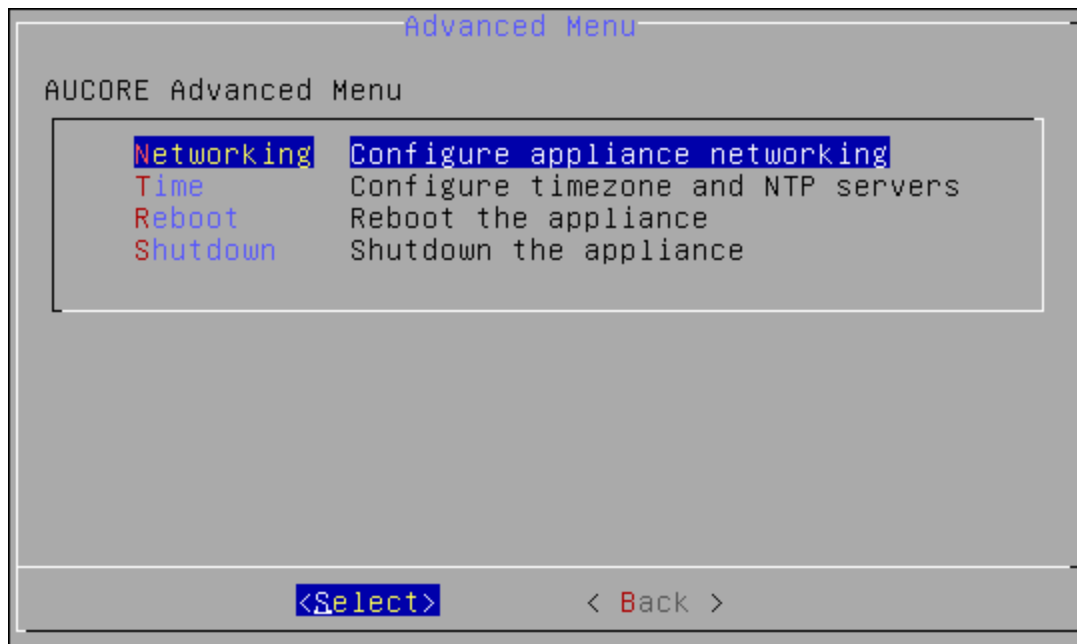
<Advanced Menu>
```

To proceed to NetIQ Server appliance management, select **Advanced Menu**.

Configuring Appliance Networking

To configure NetIQ Server appliance networking via Configuration Console, follow the steps:

1. Go to the **Advanced Menu** of the **Configuration Console**.
2. Select **Networking**.



3. Select an applicable networking configuration method:
 - **DHCP** - to configure networking automatically.

```
eth0 configuration
IP Address:      10.2.0.208
Netmask:        255.255.254.0
Default Gateway: 10.2.0.100
Name Server(s): 10.2.0.254 10.2.0.4

Networking configuration method: dhcp

DHCP      Configure networking automatically
StaticIP  Configure networking manually

<Select>      < Back >
```

- StaticIP - to configure networking manually.

```
eth0 configuration
IP Address:      10.2.0.208
Netmask:        255.255.254.0
Default Gateway: 10.2.0.100
Name Server(s): 10.2.0.254 10.2.0.4

Networking configuration method: dhcp

DHCP      Configure networking automatically
StaticIP  Configure networking manually

<Select>      < Back >
```

Specify all required parameters manually and press **ENTER** to apply changes.

Network settings

Static IP configuration (eth0)

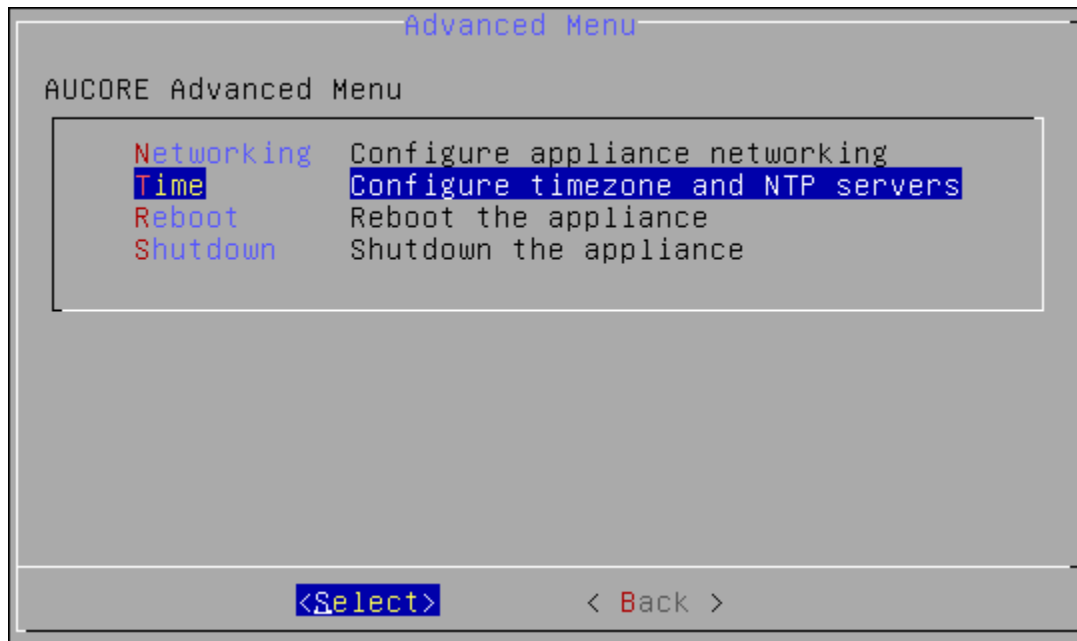
IP Address	10.2.0.208
Netmask	255.255.254.0
Default Gateway	10.2.0.100
Name Server	10.2.0.254
Name Server	10.2.0.4
Name Server	

<Apply > <Cancel>

Configuring Timezone and NTP Servers

To configure NetIQ Server appliance timezone and NTP servers via Configuration Console, follow the steps:

1. Go to the **Advanced Menu** of the **Configuration Console**.
2. Select **Time**.



3. Select one of the following options:
 1. **Refresh** to refresh current time.

```
Configure timezone and NTP servers

Current time: Fri Feb 20 12:18:51 2015
Timezone:      UTC (UTC+00:00)

NTP servers:
0.debian.pool.ntp.org iburst
1.debian.pool.ntp.org iburst
2.debian.pool.ntp.org iburst
3.debian.pool.ntp.org iburst

Refresh      Refresh current time
Timezone     Configure timezone
NTP servers  Configure NTP servers

<Select>    < Back >
```

- | **Timezone** to configure your current timezone.

```
Configure timezone and NTP servers

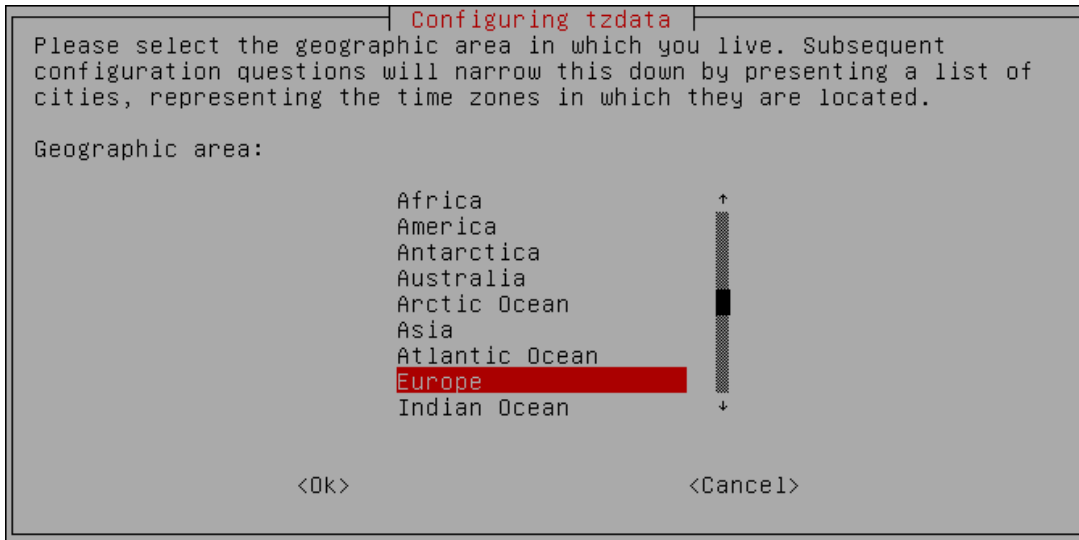
Current time: Fri Feb 20 12:38:12 2015
Timezone:      UTC (UTC+00:00)

NTP servers:
0.debian.pool.ntp.org iburst
1.debian.pool.ntp.org iburst
2.debian.pool.ntp.org iburst
3.debian.pool.ntp.org iburst

Refresh      Refresh current time
Timezone     Configure timezone
NTP servers  Configure NTP servers

<Select>    < Back >
```

Select your current geographic area and press **ENTER**.



Select the city or region that corresponds to your time zone and press **ENTER**.



Your current time and time zone will be updated in accordance with the entered values.

- 1. **NTP servers** to configure NTP servers.

```
Configure timezone and NTP servers

Current time: Fri Feb 20 12:53:17 2015
Timezone:      UTC (UTC+00:00)

NTP servers:
0.debian.pool.ntp.org iburst
1.debian.pool.ntp.org iburst
2.debian.pool.ntp.org iburst
3.debian.pool.ntp.org iburst

Refresh      Refresh current time
Timezone     Configure timezone
NTP servers  Configure NTP servers

<Select>    < Back >
```

Specify applicable addresses for NTP servers and press **ENTER** to apply changes.

```
Configure NTP Servers

NTP servers:

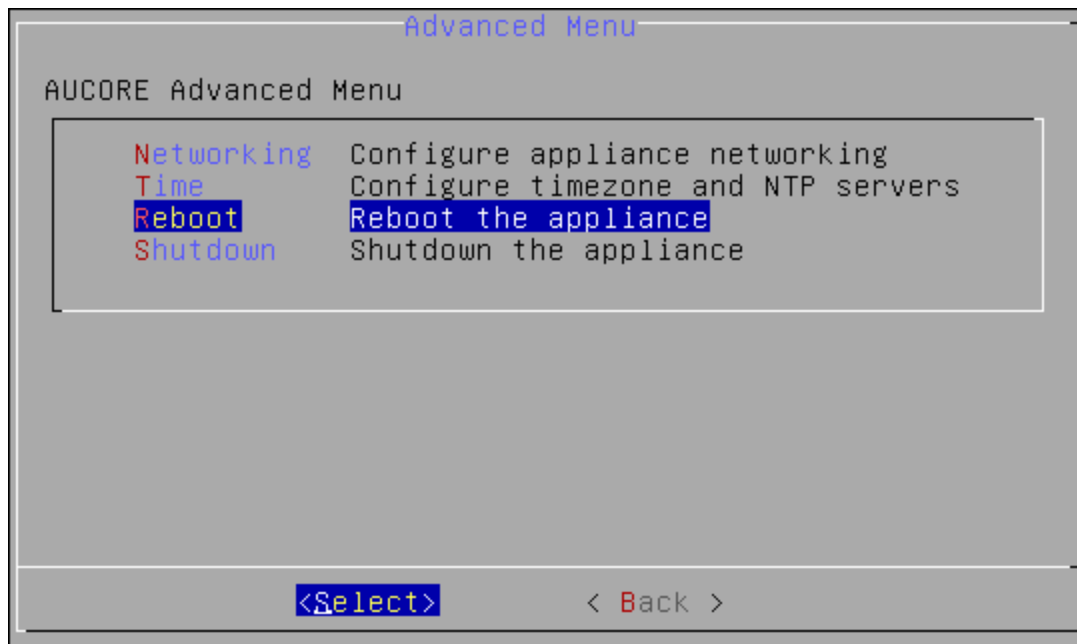
Server 1: 0.debian.pool.ntp.org iburst
Server 2: 1.debian.pool.ntp.org iburst
Server 3: 2.debian.pool.ntp.org iburst
Server 4: 3.debian.pool.ntp.org iburst

<Apply >    <Cancel>
```

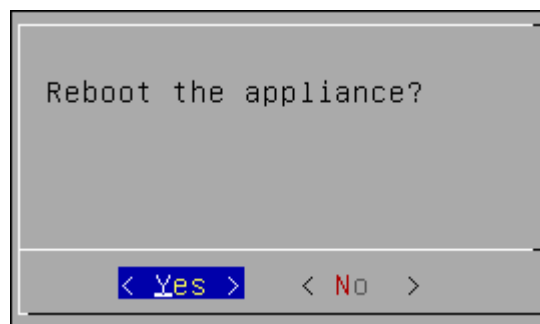
Rebooting Appliance

To reboot NetIQ Server appliance via Configuration Console, follow the steps:

1. Go to the **Advanced Menu** of the **Configuration Console**.
2. Select **Reboot**.



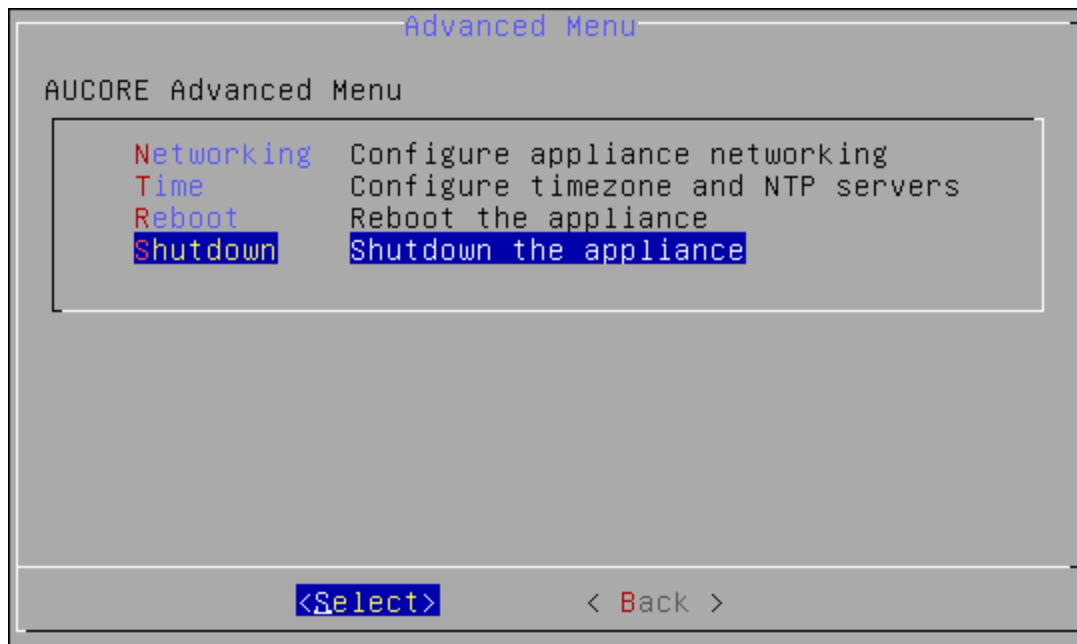
3. The confirmation message will be displayed. Select **Yes** to continue.



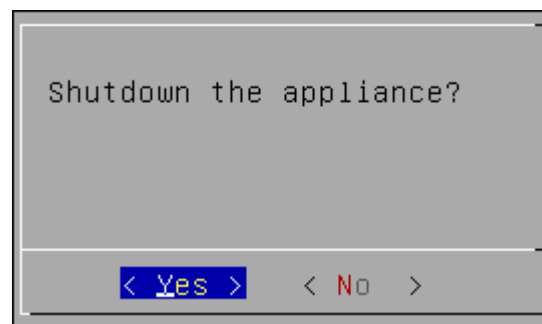
Shutting Down Appliance

To shut down NetIQ Server appliance via Configuration Console, follow the steps:

1. Go to the **Advanced Menu** of the **Configuration Console**.
2. Select **Shutdown**.



3. The confirmation message will be displayed. Select **Yes** to continue.



Configuring Network

If your network is not using DHCP protocol, it will be required to configure it manually. The network can be configured in both graphic and manual modes.

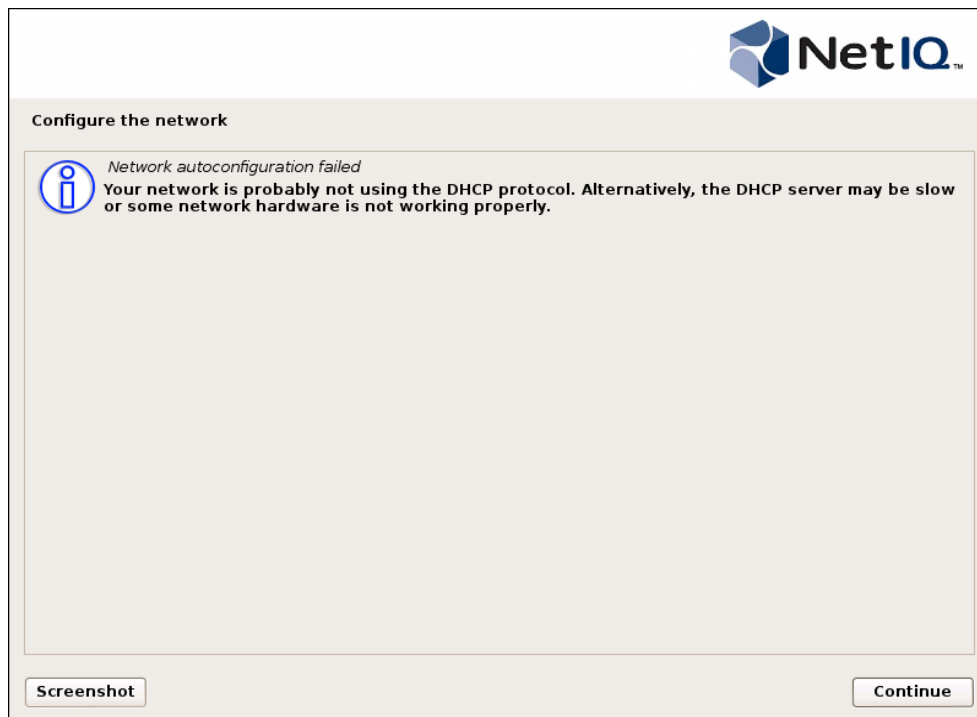
In this chapter:

- | [Configuring Network in the Graphic Mode](#)
- | [Configuring Network in the Text Mode](#)

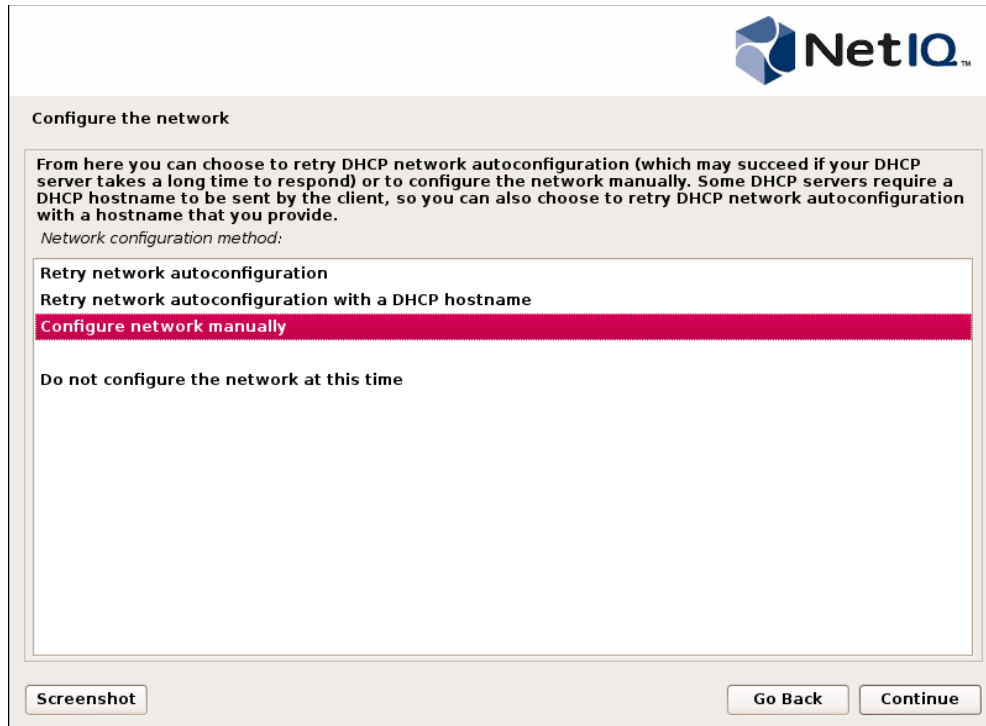
Configuring Network in the Graphic Mode

To configure the network in the graphic mode:

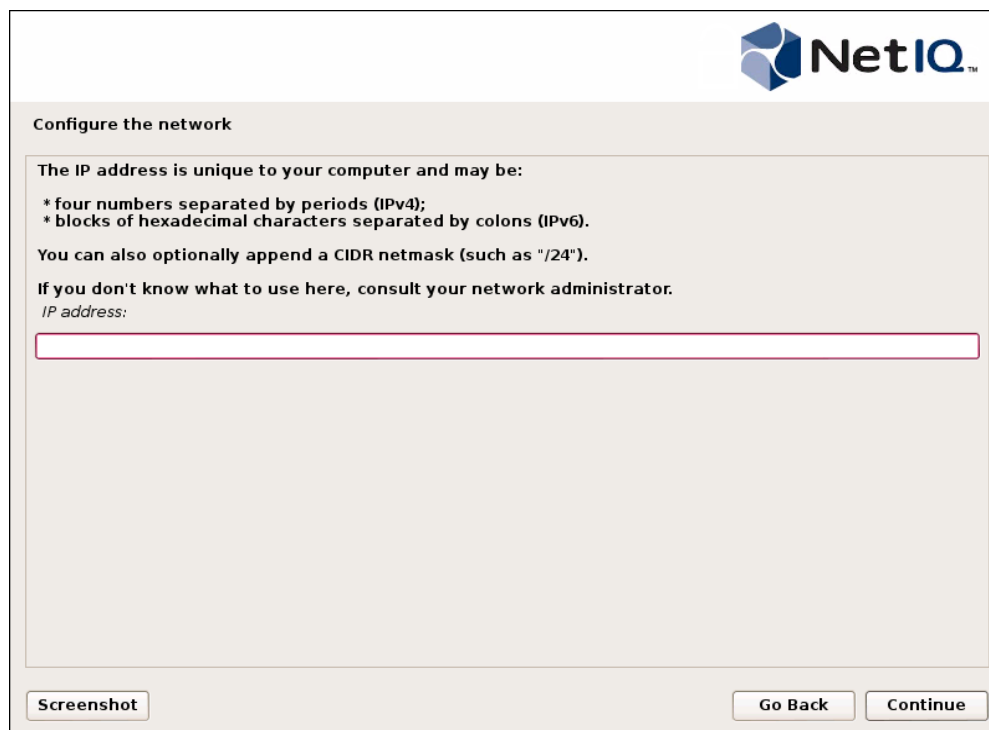
1. After the network configuration failing, click **Continue**.




2. DHCP network autoconfiguration can be retried. Anyway it is recommended to configure it manually. Select the **Configure network manually** option and click **Continue**.



3. Specify IP address that is unique to your computer and click **Continue**.



4. Specify an applicable netmask to determine which machines are local to your network and click **Continue**.




Configure the network

The netmask is used to determine which machines are local to your network. Consult your network administrator if you do not know the value. The netmask should be entered as four numbers separated by periods.

Netmask:

5. Specify the gateway (IP address that indicates the gateway router) and click **Continue**.

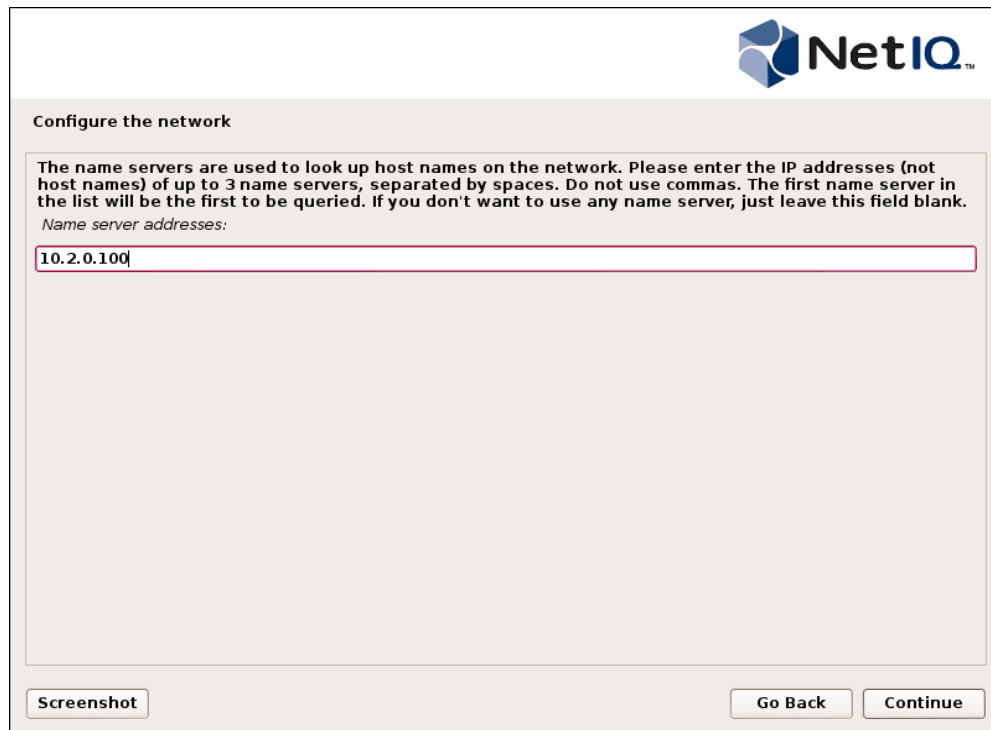


Configure the network

The gateway is an IP address (four numbers separated by periods) that indicates the gateway router, also known as the default router. All traffic that goes outside your LAN (for instance, to the Internet) is sent through this router. In rare circumstances, you may have no router; in that case, you can leave this blank. If you don't know the proper answer to this question, consult your network administrator.

Gateway:

6. Specify the name server address that will be used to look up host names on the network. Click **Continue**.



NetIQ™

Configure the network

The name servers are used to look up host names on the network. Please enter the IP addresses (not host names) of up to 3 name servers, separated by spaces. Do not use commas. The first name server in the list will be the first to be queried. If you don't want to use any name server, just leave this field blank.

Name server addresses:

10.2.0.100

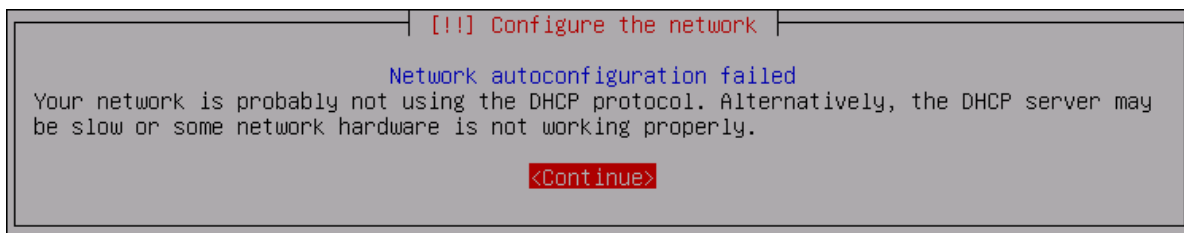
Screenshot Go Back Continue

7. Your network will be successfully configured.

Configuring Network in the Text Mode

To configure the network in the graphic mode:

1. After the network configuration failing, click **Continue**.

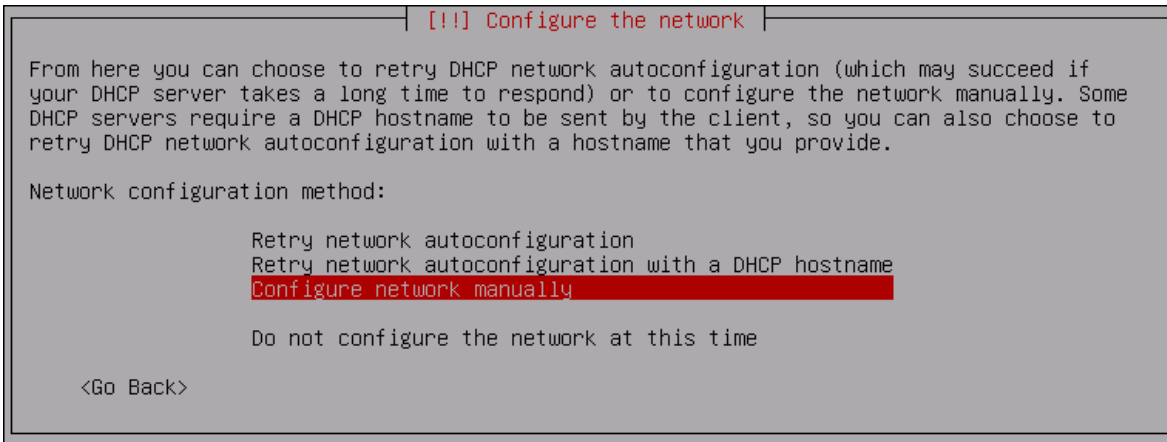


```
[!!] Configure the network

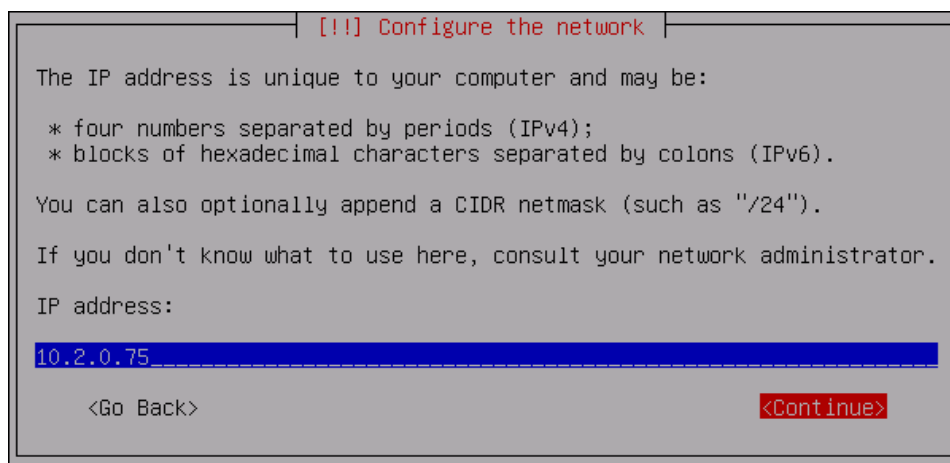
Network autoconfiguration failed
Your network is probably not using the DHCP protocol. Alternatively, the DHCP server may
be slow or some network hardware is not working properly.

<Continue>
```

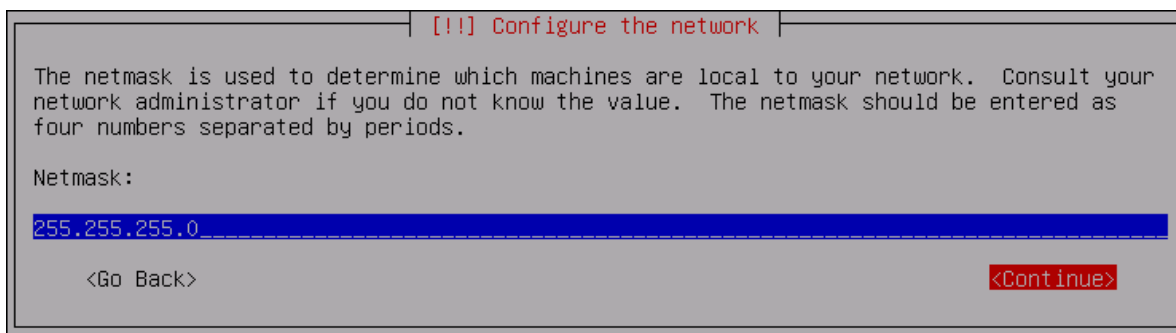
2. DHCP network autoconfiguration can be retried. Anyway it is recommended to configure it manually. Select the **Configure network manually** option and click **Continue**.



3. Specify IP address that is unique to your computer and click **Continue**.



4. Specify an applicable netmask to determine which machines are local to your network and click **Continue**.



5. Specify the gateway (IP address that indicates the gateway router) and click **Continue**.

[!!] Configure the network

The gateway is an IP address (four numbers separated by periods) that indicates the gateway router, also known as the default router. All traffic that goes outside your LAN (for instance, to the Internet) is sent through this router. In rare circumstances, you may have no router; in that case, you can leave this blank. If you don't know the proper answer to this question, consult your network administrator.

Gateway:

10.2.0.100

<Go Back> <Continue>

- Specify the name server address that will be used to look up host names on the network. Click **Continue**.

[!!] Configure the network

The name servers are used to look up host names on the network. Please enter the IP addresses (not host names) of up to 3 name servers, separated by spaces. Do not use commas. The first name server in the list will be the first to be queried. If you don't want to use any name server, just leave this field blank.

Name server addresses:

10.2.0.100

<Go Back> <Continue>

- Your network will be successfully configured.

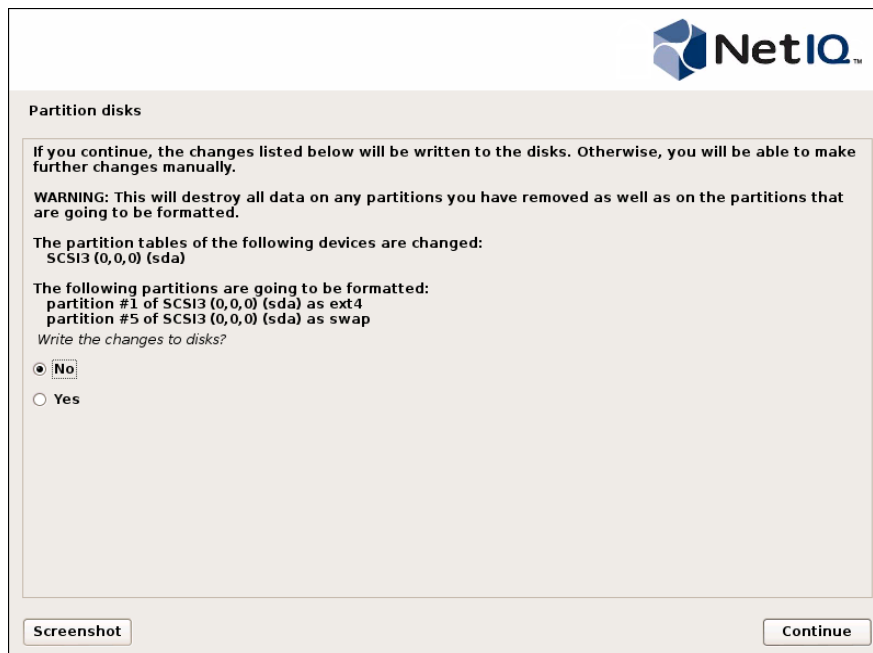
Troubleshooting

i This chapter provides solutions for known issues. If you encounter any problems that are not mentioned here, please contact the support service.

Partition Disks

Description:

The following dialog box is installed during the installation of the NetIQ Server:



Cause:

You are installing NetIQ Server on the drive which contains data already.

Solution:

NetIQ Server installer suggests you to perform disk partitioning. It will destroy all data on any partitions you have removed as well as on the partitions that are going to be formatted. To perform disk partitioning, select **Yes** and click **Continue**.

Index

A

Authentication 1, 3, 5
Authenticator 3

C

Console 8, 12-14, 17, 21-22

L

Logon 3

M

Menu 13-14, 17, 21-22

N

Network 7, 11, 23-24, 27

S

Server 1, 3, 5-6, 10, 13-14, 21-22, 30
System 4

U

User 13