

ForeSight 6300
Network Management System

Quick Start Guide



1.0 Mechanical overview

- Mount the Linux server hardware on a four-post rack cabinet using the mounting accessories supplied.
- Mount the monitor and keyboard assembly on a 4-post rack/cabinet structure as per the manufacturer's instruction.

2.0 Power up

1. Connect one side of the supplied power cable to a power outlet and the other side to the power connector located at the rear panel of the server.
2. Connect the eth0 RJ45 Ethernet port to a switch or a hub using a straight-through Ethernet cable.

Note eth0 is the Ethernet port on the left while viewing the rear of the server.

3. Connect the monitor and keyboard assembly to the server, following the manufacturer's instructions.
4. Turn on the power buttons on the monitor and on the server.
5. The server is pre-configured with Linux and the FS6300 NMS installed, and it is ready to run.

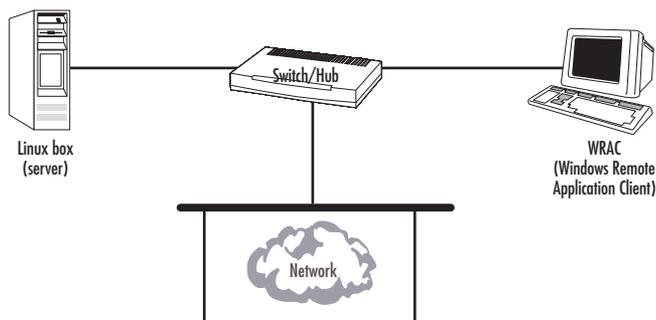


Figure 1. Network diagram for FS6300 NMS

3.0 Log into the Linux box

Log into the Linux box with the following information:

Username: *patton*

Password: *patton*

4.0 Verify the eth0 interface is 'up'

1. Open-up a new Terminal window in the Linux box and verify the IP address and gateway. Using the CLI, type:

```
#sudo ifconfig  
password: ***** //Your user password is 'patton'.
```

2. Verify that the IP address, netmask, and gateway for eth0 is listed and the status is 'up'.
3. If eth0 is not listed or active, configure eth0. Bring up the ethernet configuration GUI by typing the 'neat' command:

```
#sudo neat
```

4. Configure the IP address, subnet mask, and default gateway. Then, activate eth0 and save the configuration.

5.0 Activate IP Forwarding

1. Check if IP forwarding is activated using the following command:

```
#sudo sysctl net.ipv4.ip_forward
```

Or, you can also use the command below:

```
#sudo cat /proc/sys/net/ipv4/ip_forward
```

2. If the resulting value is 0, IP forwarding is not activated. You will need to activate the service using the following command:

```
#sudo sysctl -w net.ipv4.ip_forward=1
```

Or, you can also use the command below:

```
#sudo echo 1 > /proc/sys/net/ipv4/ip_forward
```

6.0 Set up the physical connection

1. Connect the switch to an Ethernet port of the Patton WRAC workstation with a straight-through cable as shown in Figure 1 on page 2. Or, connect to a WAN port of a SmartNode or router. Refer to the *User Manual* for more information.

The WRAC workstation operates with the factory default settings:

Default IP Address: *192.168.254.2/24*

Default gateway: *192.168.254.1*

7.0 Test the connection

1. Check the connection between the server and the PC by typing the following command from the Linux box:

```
#ping 192.168.254.2
```

192.168.254.2 is the default IP address of the WRAC workstation.

8.0 Start the FS6300 NMS

The Server and the WRAC PC are now physically connected and you may start up the FS6300 NMS server.

8.1 Open the server launcher file

To start the server, from the directory where the FS6300 server software resides, i.e. */opt/FS6300/FS6300_1_xxx*. From the terminal session, execute these commands:

```
#ls
// The files in this directory will be displayed,
// which includes the shell command WebNMSLauncher.sh

#sudo -b ./WebNMSLauncher.sh
// The launcher will be displayed.

#
```

8.2 Run the FS6300 NMS server

On the splash screen window, there are icons in the top pane of the window.

1. Right-click on *Grant Permission* and select *Run*.
2. In the resulting pop-up window [FS6300 Grant Permission Window], enter the IP address of the WRAC workstation—*192.168.254.2*.
3. Press *Grant*. Verify that the IP address is successfully granted. Close the window.

4. Right-click on *Reinitialize 6300NMS* and select *Run*.
5. Right-click on *Start 6300NMS Server* and select *Run*.
6. At the end of the start-up log, the following message will display:

```
...please connect your client to the web server on port:6300
```

The server is ready to be connected to the network and the remote application client.

9.0 Run the Application Client

1. Power up the FS6300 Windows PC workstation.
2. Log into the PC with the username: *patton* and password: *patton*.
3. On the desktop, double-click on the WRAC icon.
4. A splash screen will display with icons for the Application Client, Web Client and Set Server IP Address.
5. Right-click on the *Application Client* icon and select *Run*.
6. A pop-up window will display. Enter the following information:
Host: *192.168.254.1*
Port: *6300*
Username: *superuser*
Password: *superuser*
7. Press *Connect to Server* and the WRAC GUI will display. Refer to the *User Manual* for detailed instructions on how to operate and manage features in the Application Client.

10.0 Additional information

For detailed information about installing, configuring, operating, and troubleshooting, refer to the *ForeSight 6300 NMS User Manual* and the *ForeSight 6300 NMS Administrator's Reference Guide* available online at www.patton.com/manuals/FS6300.pdf.

Copyright statement

Copyright © 2012, Patton Electronics Company. All rights reserved.

The information in this document is subject to change without notice. Patton Electronics assumes no liability for errors that may appear in this document.

Trademarks statement

The term *ForeSight* is a trademark of Patton Electronics Company. All other trademarks presented in this document are the property of their respective owners.

Patton support headquarters in the USA

- Online support: Available at www.patton.com
- E-mail support: E-mail sent to support@patton.com will be answered within 1 business day
- Telephone support: Standard telephone support is available five days a week — from 8:00 am to 5:00 pm EST (1300 to 2200 UTC/GMT) — by calling +1 (301) 975-1007
- Support via VoIP: Contact Patton free of charge by using a VoIP ISP phone to call [sip:support@patton.com](tel:sip:support@patton.com)
- Fax: +1 (253) 663-5693

Alternate Patton support for Europe, Middle East, and Africa (EMEA)

- Telephone support: Standard telephone support is available five days a week — from 8:00 am to 5:00 pm CET (0900 to 1800 UTC/GMT) — by calling +41 (0)31 985 25 55
- Fax: +41 (0)31 985 25 26

Note For additional service and support information, refer to the “Contacting Patton for assistance” chapter of the *ForeSight 6300 NMS User Manual* available online at www.patton.com/manuals/FS6300.pdf.

Warranty, Trademark, & Compliance Information

For warranty, trademark and compliance information, refer to the *ForeSight 6300 NMS User Manual* available online at www.patton.com/manuals/FS6300.pdf.

