



8e6® Threat Analysis Reporter

# QUICK START GUIDE



**Model: TAR**

TAR S (5K02-62), TAR H (5K02-66), TAR MSA (5K02-67)

Release: 1.3.10 / Updated: 04.22.09

## 8E6 THREAT ANALYSIS REPORTER QUICK START GUIDE

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Part# TAR-QSG-090422

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# THREAT ANALYSIS REPORTER INTRODUCTION

Thank you for choosing to evaluate the 8e6 Technologies Threat Analysis Reporter. This product addresses user-generated Web threats such as excessive use of bandwidth and inappropriate Internet usage, and provides network administrators tools to monitor such threats so management can enforce corporate Internet usage policies.

Working in conjunction with 8e6's R3000 Internet Filter, the Threat Analysis Reporter translates end user Internet activity from the R3000's logs into dynamic graphical snapshots of network Internet traffic. Using remediation tools in the console, administrators and management can then manage and control user-generated Web threats in real time.

## About this Document

This document is divided into the following sections:

- **Introduction** - This section is comprised of an overview of the Threat Analysis Reporter product and how to use this document
- **Service Information** - This section provides 8e6 Technologies contact information
- **Preliminary Setup Procedures** - This section includes instructions on how to physically set up the Threat Analysis Reporter unit in your network environment
- **Install the Server** - This section explains how to configure the Threat Analysis Reporter
- **Conclusion** - This section indicates that the quick start steps have been completed
- **Specifications** - This section features hardware specifications and descriptions of front panel LED indicators
- **Appendix: Optional Ethernet Tap Installation** - This appendix explains how to install the optional Ethernet Tap device on your network for bandwidth monitoring if you have a TAR “S” or TAR “H” server

## Conventions Used in this Document

The following icons are used throughout this document to call attention to important information pertaining to handling, operation, and maintenance of the server; safety and preservation of the equipment, and personal safety:



**NOTE:** *The “note” icon is followed by additional information to be considered.*

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**WARNING:** *The “warning” icon is followed by information alerting you to a potential situation that may cause damage to property or equipment.*

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## SERVICE INFORMATION

The user should not attempt any maintenance or service on the unit beyond the procedures outlined in this document.

Any initial hardware setup problem that cannot be resolved at your internal organization should be referred to an 8e6 Technologies solutions engineer or technical support representative.

### 8e6 Corporate Headquarters (USA)

Local : 714.282.6111  
Domestic US : 1.888.786.7999  
International : +1.714.282.6111

### 8e6 Taiwan

Taipei Local : 2397-0300  
Domestic Taiwan : 02-2397-0300  
International : 886-2-2397-0300

### Procedures

When calling 8e6 Technologies regarding a problem, please provide the representative the following information:

- Your contact information.
- Serial number or original order number.
- Description of the problem.
- Network environment in which the unit is used.
- State of the unit before the problem occurred.
- Frequency and repeatability of the problem.
- Can the product continue to operate with this problem?
- Can you identify anything that may have caused the problem?

# PRELIMINARY SETUP PROCEDURES

## Unpack the Unit from the Carton

Inspect the packaging container for evidence of mishandling during transit. If the packaging container is damaged, photograph it for reference.

Carefully unpack the unit from the carton and verify that all accessories are included. Save all packing materials in the event that the unit needs to be returned to 8e6 Technologies.

The carton should contain the following items:

- 1 Threat Analysis Reporter unit
- 1 AC Power Cord
- 1 Serial Port Cable
- 1 CAT-5E Crossover Cable
- Rack Mount Brackets (2)
- 1 End User License Agreement (EULA)
- 1 envelope containing a CD-ROM with a PDF of the Threat Analysis Reporter User Guide. The latest version of the user guide can be obtained from our Web site at [http://www.marshall8e6.com/software/8e6/docs/tar\\_ug.pdf](http://www.marshall8e6.com/software/8e6/docs/tar_ug.pdf).



**NOTES:** *A coupler is included in the carton if a three-foot CAT-5E crossover cable is packaged with your unit instead of a 14-foot CAT-5E crossover cable. TAR “S” and “H” units come with a NetOptics 10/100BaseT Ethernet Tap kit to be installed at your option. TAR “H” units also come with a separate bezel to be installed on the front of the chassis, and an additional AC power cord.*

---

Inspect the server and accessories for damage. If the contents appear damaged, file a damage claim with the carrier immediately.

For “S” and “MSA” units, proceed to the instructions for Rack Mount the “S” or “MSA” Server.

For “H” units, proceed to the instructions for Install the “H” Server Bezel, followed by Rack Mount the “H” Server.

# Rack Mount the “S” or “MSA” Server

## Rack Mount Instructions

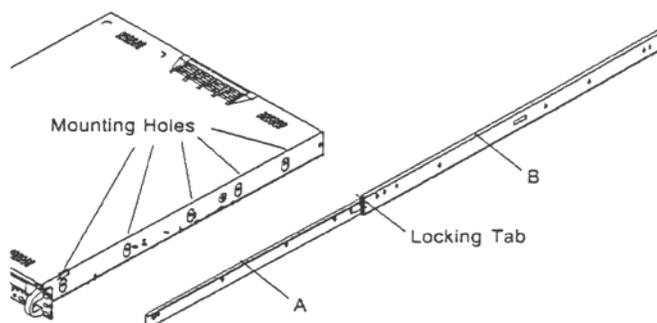
### Rack Setup Suggestions

- Determine the placement of each component in the rack before you install the rails.
- Install the heaviest server components on the bottom of the rack first, and then work up.

### Identify the Sections of the Rack Rails

You should have received two rack rail assemblies with the 8e6 server unit. Each of these assemblies consists of two sections: An inner fixed chassis rail that secures to the unit (A), and an outer fixed rack rail that secures directly to the rack itself (B). A sliding rail guide sandwiched between the two should remain attached to the fixed rack rail. The A and B rails must be detached from each other in order to install.

To remove the fixed chassis rail (A), pull it out as far as possible. You should hear a “click” sound as a locking tab emerges from inside the rail assembly and locks the inner rail. Then depress the locking tab to pull the inner rail completely out. Do this for both the left and right side rack rail.



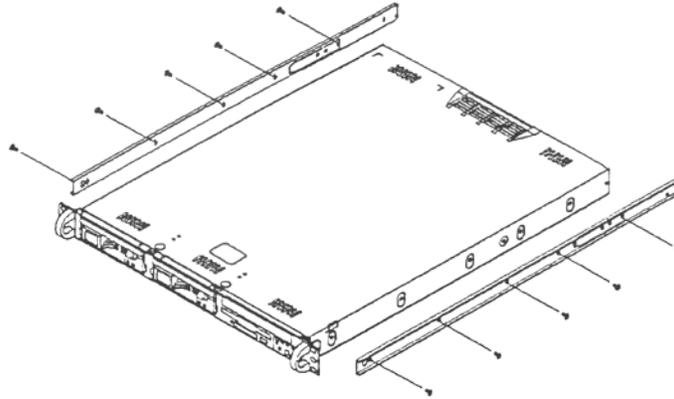
### Install the Chassis Rails

Position the fixed chassis rail sections you just removed along the side of the server chassis making sure the five screw holes line up. Note that these two rails are left/right specific. Screw the rail securely to the side of the chassis. Repeat this procedure for the other rail on the other side of the chassis. You will also need to attach the rail brackets when installing into a Telco rack.

**Locking Tabs:** As you have seen, both chassis rails have a locking tab, which serves two functions. The first is to lock the server into place when installed and pushed fully into the rack, which is its normal position. Secondly, these tabs also lock the server in place when fully extended from the rack. This prevents the server from coming completely out of the rack when you pull it out for servicing.

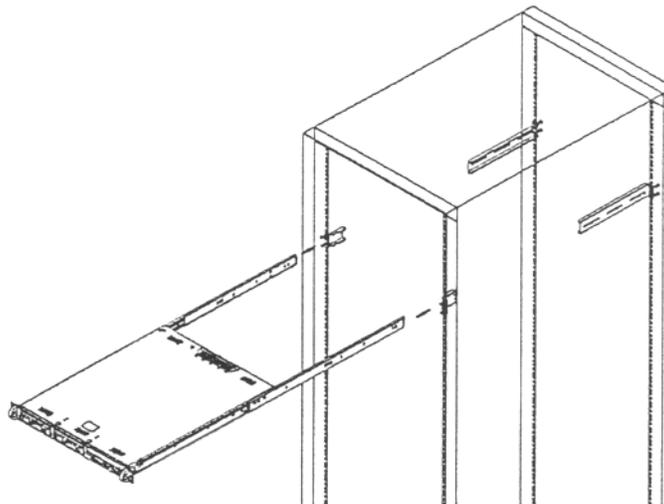
## Install the Rack Rails

Determine where you want to place the server unit in the rack. Position the fixed rack rail/sliding rail guide assemblies at the desired location in the rack, keeping the sliding rail guide facing the inside of the rack. Screw the assembly securely to the rack using the brackets provided. Attach the other assembly to the other side of the rack, making sure that both are at the exact same height and with the rail guides facing inward.



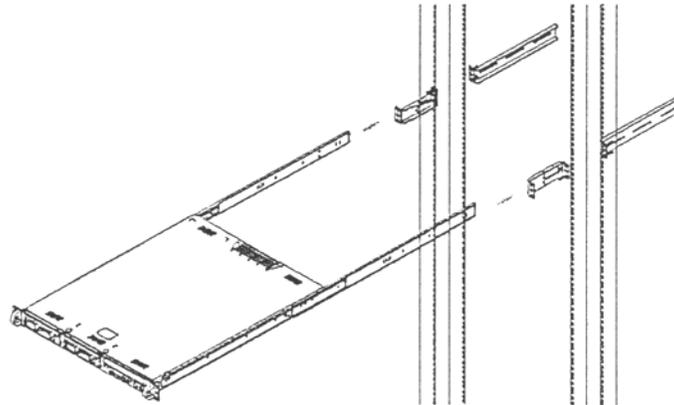
## Install the Server into the Rack

You should now have rails attached to both the chassis and the rack unit. The next step is to install the server chassis into the rack. Do this by lining up the rear of the chassis rails with the front of the rack rails. Slide the chassis rails into the rack rails, keeping the pressure even on both sides (you may have to depress the locking tabs when inserting).



## Installing the Server into a Telco Rack

If you are installing the 8e6 server unit into a Telco type rack, follow the directions given on the previous pages for rack installation. The only difference in the installation procedure will be the positioning of the rack brackets to the rack. They should be spaced apart just enough to accommodate the width of the Telco rack.



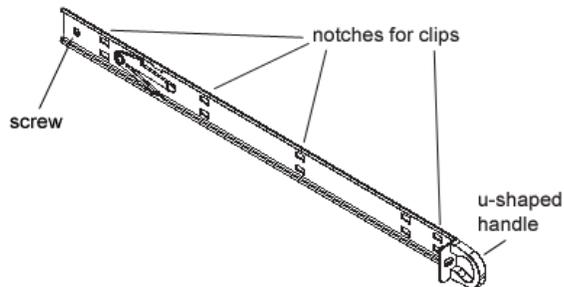
## Install the “H” Server Bezel

Before rack mounting the “H” unit, the bezel should be installed on the front end of the chassis. This portion of the installation process requires you to unpack the unit and bezel.

 **NOTE:** The bezel has been packaged separately from the unit to prevent damage during shipping.



Front of bezel



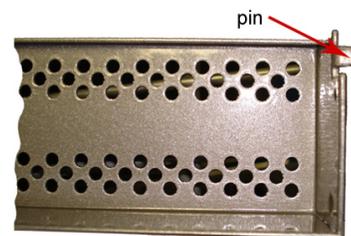
Outside of left inner rail



Inside front end of U-shaped handle on left inner rail



Inner left rail attached to chassis

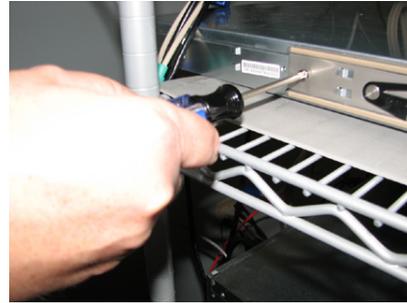


Pin on right side of bezel

- A. Remove the plastic wrapping from the left and right U-shaped chassis rail handles.



- B. On one side of the chassis (left or right), unscrew the inner rail from the chassis.



- C. Slide the loosened inner rail slightly backwards to release it from the clips at the side of the chassis, and then lay it down beside the chassis, with the inside of the rail facing up.



- D. On the inner rail that is still attached to the chassis, insert the bezel pin into the bottom hole of the U-shaped chassis handle. Be sure the pin is pushed all the way in so that it is flush against the handle.



- E. Take up the free end of the bezel and also the loosened inner rail.



- F. Return the loosened inner rail to its upright position and insert the bezel pin into the bottom hole of the U-shaped handle.



- G. Slide the inner rail forward beneath the clips to lock it in place.



- H. Screw the inner rail back on the chassis.



- I. After it is installed, the bezel should drop down when it is gently tugged forward and downward. The bezel should remain upright when raised up and closed.

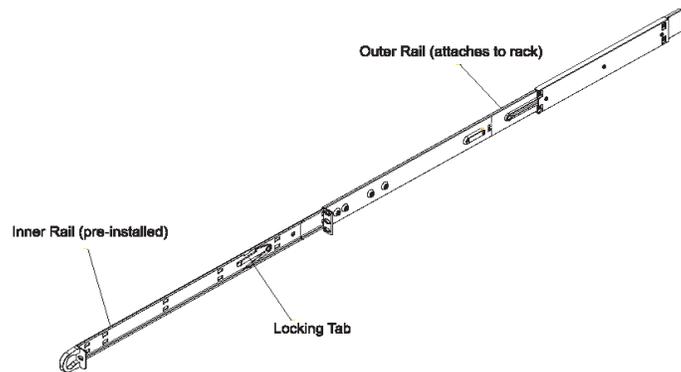


# Rack Mount the “H” Server

## Rack Mount Instructions

### Identify the Sections of the Rack Rails

You should have received two rack rail assemblies with the 8e6 server unit. Each of these assemblies consists of two sections: An inner fixed chassis rail that secures to the unit (A), and an outer fixed rack rail that secures directly to the rack itself (B). Two pairs of short brackets to be used on the front side of the outer rails are also included.



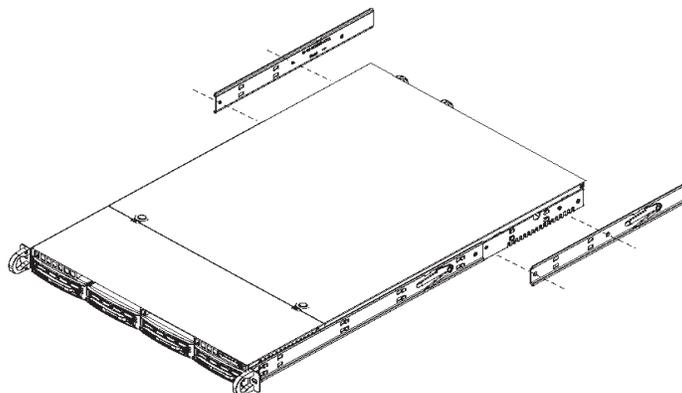
### Install the Inner Rails

Both the left and right side inner rails have been pre-attached to the chassis. Proceed to the next step.

### Install the Outer Rails

Begin by measuring the distance from the front rail to the rear rail of the rack. Attach a short bracket to the front side of the right outer rail and a long bracket to the rear side of the right outer rail. Adjust both the short and long brackets to the proper distance so that the rail can fit snugly into the rack. Secure the short bracket to the front side of the outer rail with two M4 screws and the long bracket to the rear side of the outer rail with three M4 screws. Repeat these steps for the left outer rail.

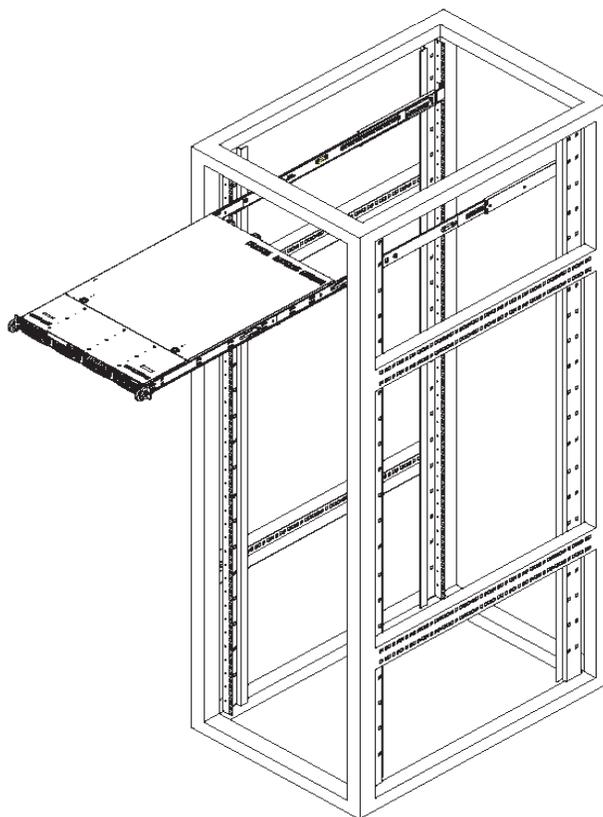
**Locking Tabs:** Both chassis rails have a locking tab, which serves two functions. The first is to lock the server into place when installed and pushed fully into the rack, which is its normal position. Secondly, these tabs also lock the server in place when fully extended from the rack. This prevents the server from coming completely out of the rack when you pull it out for servicing.



### Install the Server into the Rack

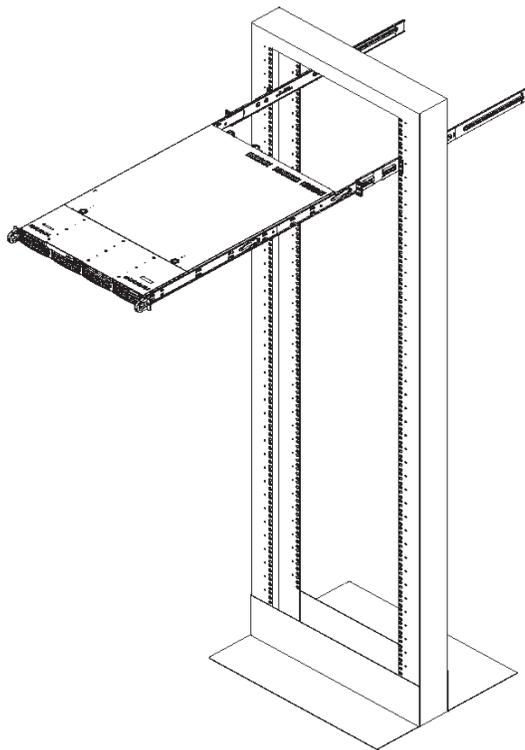
You should now have rails attached to both the chassis and the rack unit. The next step is to install the server chassis into the rack. Do this by lining up the rear of the chassis rails with the front of the rack rails. Slide the chassis rails into the rack rails, keeping the pressure even on both sides (you may have to depress the locking tabs when inserting).

When the server has been pushed completely into the rack, you should hear the locking tabs “click.” Finish by inserting and tightening the thumbscrews that hold the front of the server to the rack.



## Installing the Server into a Telco Rack

If you are installing the 8e6 server unit into a Telco type rack, follow the directions given on the previous page for rack installation. The only difference in the installation procedure will be the positioning of the rack brackets to the rack. They should be spaced apart just enough to accommodate the width of the Telco rack.



# INSTALL THE SERVER

## Step 1: Initial Setup Procedures

This step requires you to link the workstation to the Threat Analysis Reporter. The following hardware can be used for the initial setup procedures:

- Threat Analysis Reporter unit with AC power cord
- either one of two options:
  - PC monitor with AC power cord and keyboard, or
  - PC laptop computer with HyperTerminal and serial port cable (and USB DB9 serial adapter, if there is no serial port on your laptop)



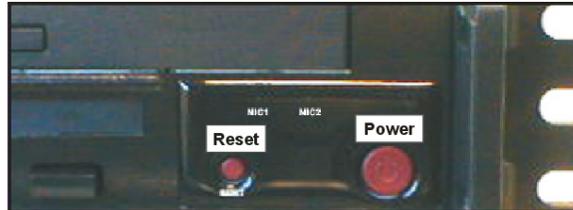
**NOTE:** *Before installing the Threat Analysis Reporter server, the R3000 server to be used with this server must already be installed and running software version 1.10.15 or higher.*

---

## Link the Workstation to the Threat Analysis Reporter

### Monitor and Keyboard Setup

- A. Connect the PC monitor and keyboard cables to the rear of the chassis.
- B. Turn on the PC monitor.
- C. Power on the Threat Analysis Reporter unit by dropping down the face plate and pressing the large button at the right of the front panel (see image below).



Front of the chassis

Once the Threat Analysis Reporter is powered up, proceed to the Quick Start Setup Procedures.

### Serial Console Setup

- A. Using the serial port cable (and USB DB9 serial adapter, if necessary), connect the laptop to the rear of the chassis (see images below).



Rear of the "S" or "MSA" chassis



Rear of the "H" chassis

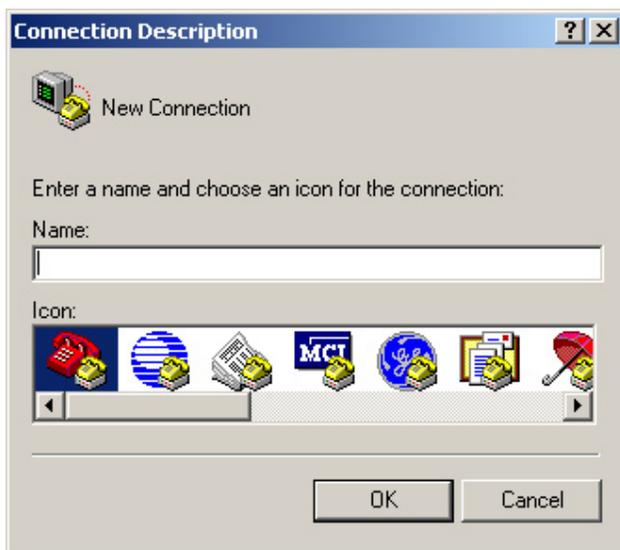
- B. Power on the laptop.
- C. Power on the Threat Analysis Reporter by dropping down the face plate and pressing the large button at the right of the front panel (see top image on this page).

Once the Threat Analysis Reporter is powered up, proceed to the instructions for Hyper-Terminal Setup Procedures.

## HyperTerminal Setup Procedures

If using a serial console, follow these procedures to create a HyperTerminal session.

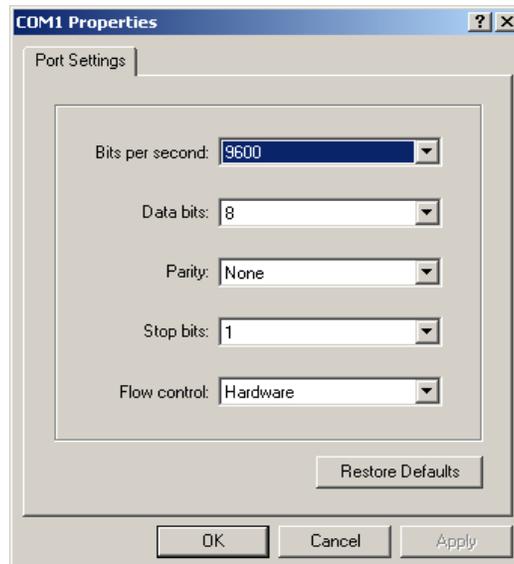
- A. Launch HyperTerminal by going to Start > Programs > Accessories > Communications > HyperTerminal:



- B. In the Connection Description dialog box, enter any session **Name**, and then click **OK** to open the Connect To dialog box:



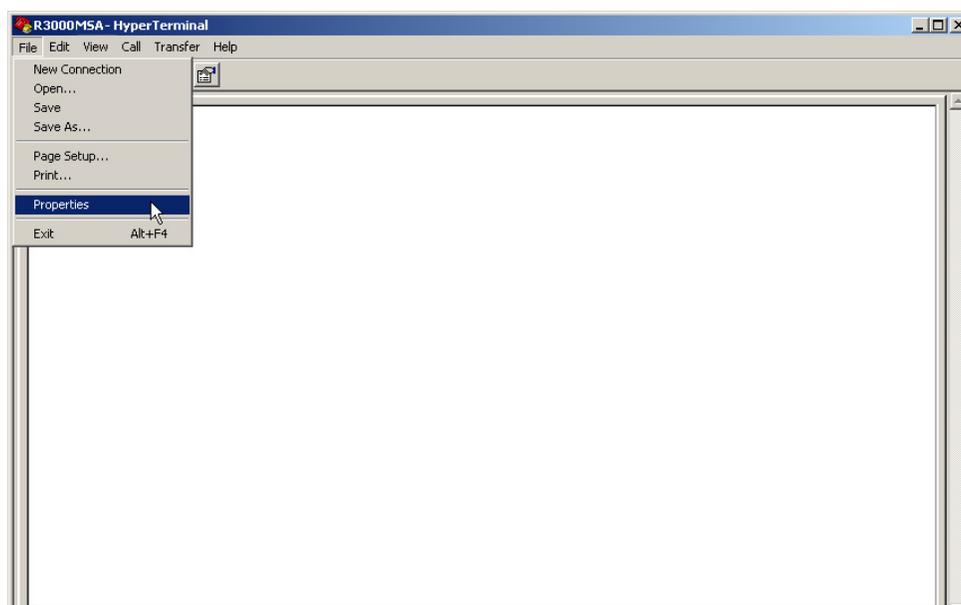
- C. At the **Connect using** field, select the COM port assigned to the serial port on the laptop (probably “COM1”), and then click **OK** to open the Properties dialog box, displaying the Port Settings tab:



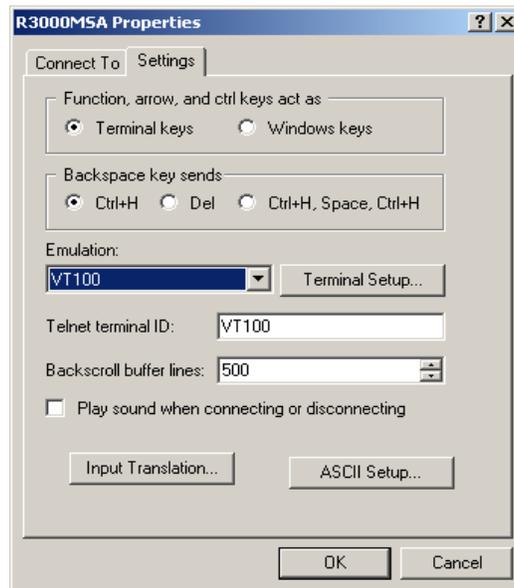
- D. Specify the following session settings:

- Bits per second: 9600
- Data bits: 8
- Parity: None
- Stop bits: 1
- Flow control: Hardware

- E. Click **OK** to connect to the HyperTerminal session:



- F. In the HyperTerminal session window, go to File > Properties to open the Properties dialog box, displaying the Connect To and Settings tabs:



- G. Click the Settings tab, and at the **Emulation** menu select "VT100".
- H. Click **OK** to close the dialog box, and to go to the login screen.

---

 **NOTE:** If using a HyperTerminal session, the login screen will display with black text on a white background.

---

## Quick Start Setup Procedures

For these Quick Start setup procedures, you will need your network administrator to provide you the LAN 1 and LAN 2 IP address and subnet mask, gateway IP address, DNS server IP address(es), host name of the server, and IP address for the Web interface (if using a NAT device).

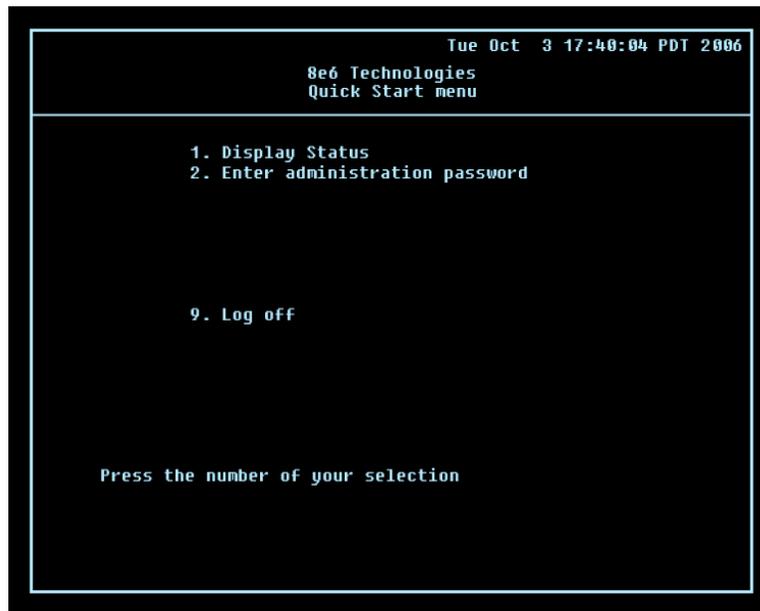
### Login screen, password prompts

The login screen displays after powering on the Threat Analysis Reporter unit using a monitor and keyboard, or after creating a HyperTerminal session.



**NOTE:** If the screensaver currently displays on your screen, press the **Enter** key to display the login screen.

- A. At the **login** prompt, type in *menu*.
- B. Press the **Enter** key to display the Password prompt.
- C. At the **Password** prompt, type in the following: *#s3tup#r3k*
- D. Press **Enter** to display the Quick Start menu screen:



- E. At the **Press the number of your selection** prompt, press **2** to display the Administrator Password Entry screen:

```
Tue Oct 3 17:40:10 PDT 2006
8e6 Technologies
Administrator Password Entry

Enter the administrator password:

Press ESCAPE to cancel
```

- F. At the **Enter the administrator password** prompt, re-enter your password:  
**#s3tup#r3k**
- G. Press **Enter** to display the Administration menu where you can begin the Quick Start setup process using the configuration screens:

```
Tue Oct 3 17:40:46 PDT 2006
8e6 Technologies
Quick Start menu

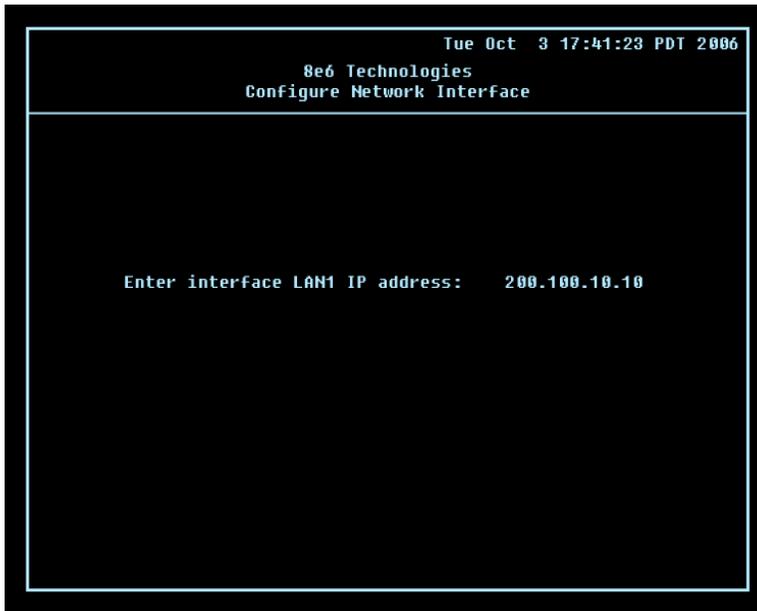
1. Display Status
2. Quick Start setup
3. Configure network interface ETH0
4. Configure network interface ETH1
5. Configure default gateway
6. Configure DNS servers
7. Configure host name
8. Time Zone regional setting
A. Configure setup wizard user
B. Reboot system
C. Change Quick Start password

X. Exit administration menu

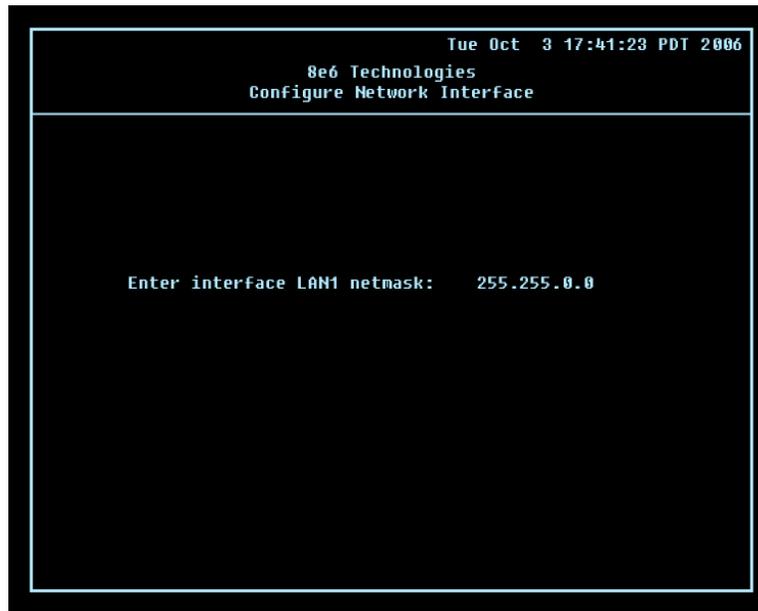
Press the number of your selection
```

- H. At the **Press the number of your selection** prompt, press **2** to select the “Quick Start setup” process. This process takes you to the Configure Network Interface screen.

## Configure Network Interface screen

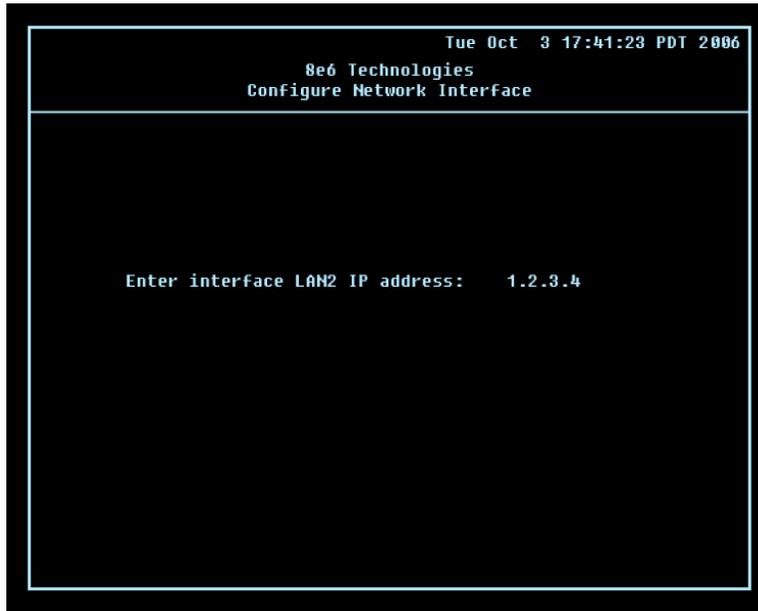


- A. At the **Enter interface lan1 IP address** field, enter the IP address for the LAN 1 interface, and then press **Enter** to go to the next screen.

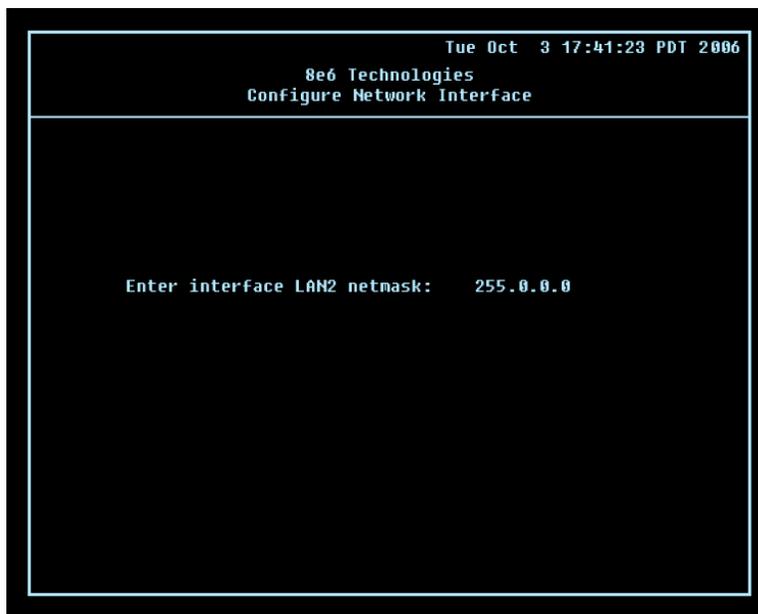


- B. At the **Enter interface lan1 netmask** field, enter the subnet mask for the LAN 1 interface using the dotted decimals notation format. Press **Enter** to display the confirmation prompt.

- C. Press **Y** for “Yes” to confirm and save your entries for the LAN1 interface, and to go to the next screen.



- D. At the **Enter interface lan2 IP address** field, enter the IP address for the LAN 2 interface, and then press **Enter** to go to the next screen.



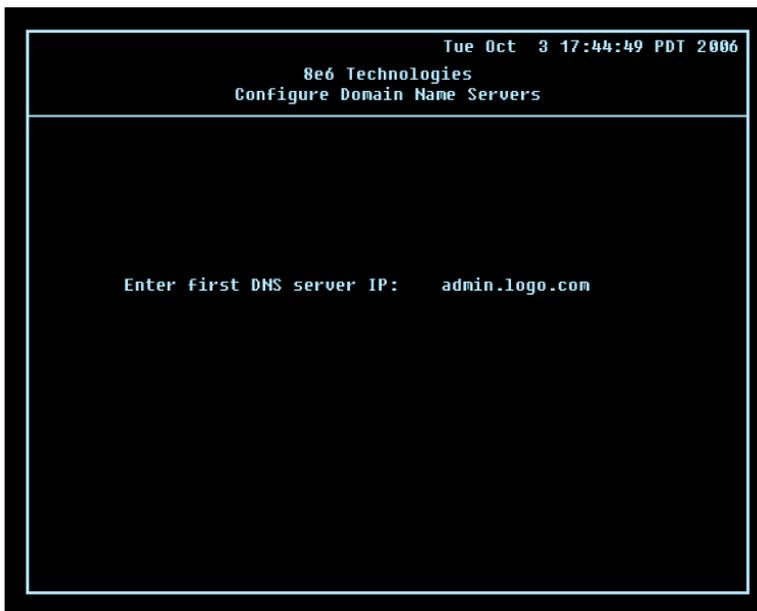
- E. At the **Enter interface lan2 netmask** field, using the dotted decimals notation format, enter the subnet mask for the LAN 2 interface. Press **Enter** to display the confirmation prompt.
- F. Press **Y** for “Yes” to confirm and save your entries for the LAN 2 interface, and to go to the Configure default gateway screen.

## Configure default gateway screen

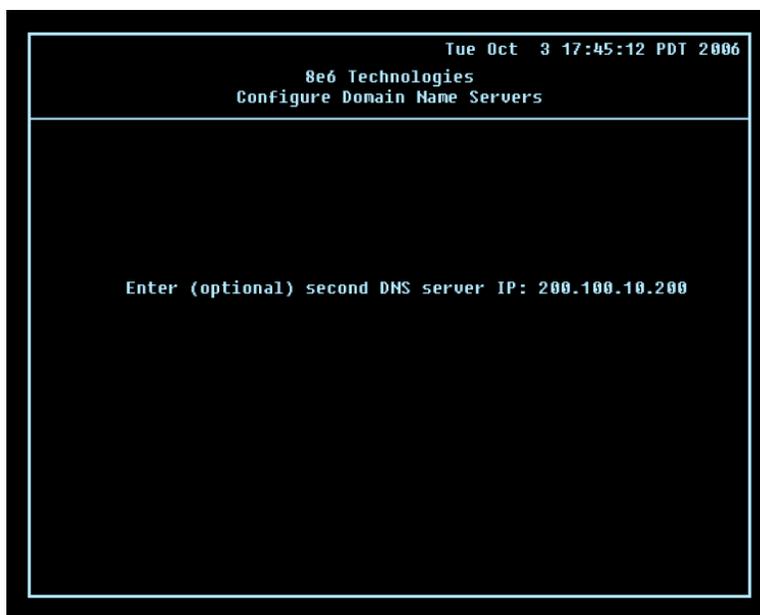


- A. At the **Enter default gateway IP** field, enter the IP address for the default gateway. Press **Enter** to display the confirmation prompt.
- B. Press **Y** for “Yes” to confirm and save your entry for the gateway IP address, and to go to the Configure Domain Name Servers screen.

## Configure Domain Name Servers screen

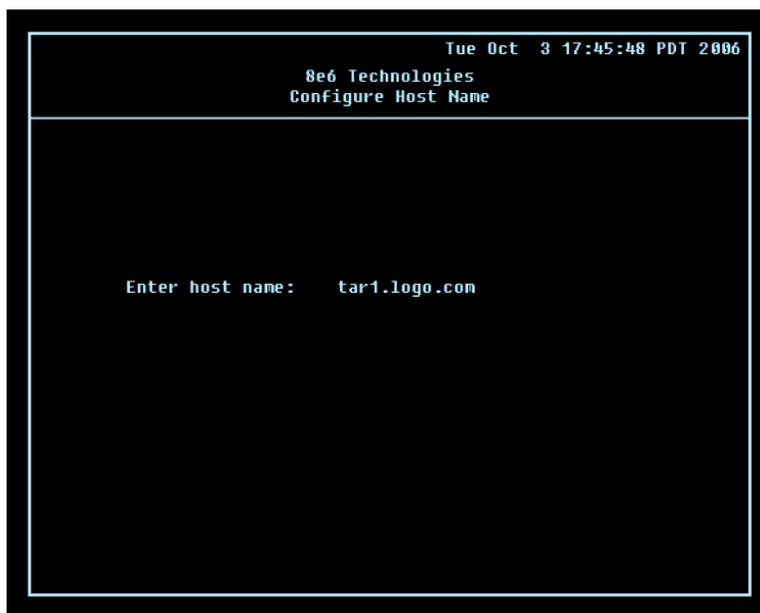


- A. At the **Enter first DNS server IP** field, enter the IP address for the primary Domain Name Server. Press **Enter** to go to the next screen.



- B. At the **Enter (optional) second DNS server IP** field, if you have a secondary Domain Name Server you wish to use, enter the IP address for that server. Press **Enter** to display the confirmation prompt.
- C. Press **Y** for “Yes” to confirm and save your entries for the domain name servers, and to go to the Configure Host Name screen.

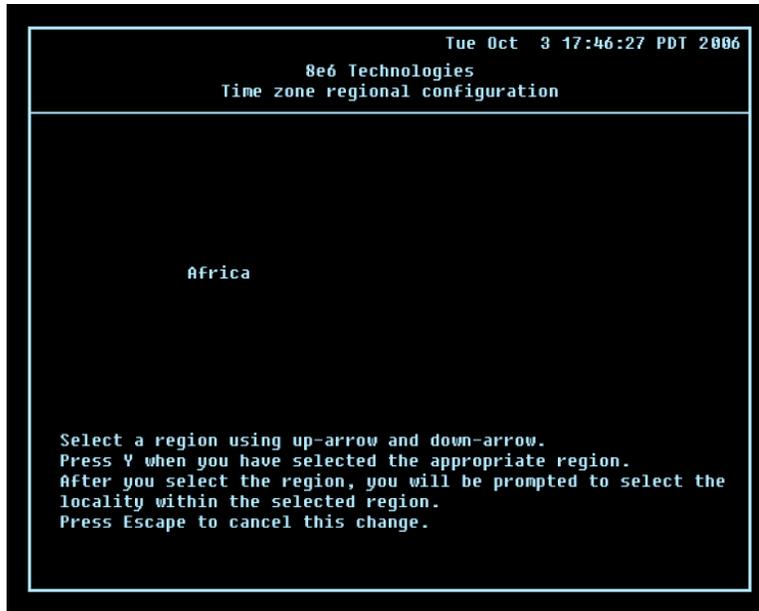
### Configure Host Name screen



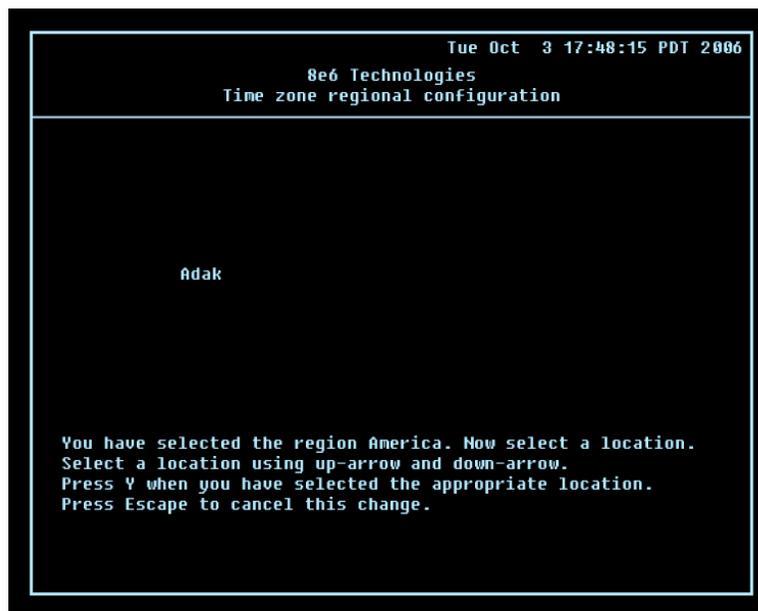
- A. At the **Enter host name** field, enter the host name of the server. Press **Enter** to display the confirmation prompt.

- B. Press **Y** for “Yes” to confirm and save your entry for the host name, and to go to the Time zone regional configuration screen.

### Time zone regional configuration screen



- A. Use the up and down arrows in your keyboard to select your region. After selecting your locality, press **Y** for “Yes” to confirm and save your regional selection, and to go to the next screen:



- B. Use the up and down arrows in your keyboard to select your region. After selecting your locality, press **Y** for “Yes” to confirm and save your regional selection, and to go to the Configure Wizard user screen.

## Configure Wizard user screen

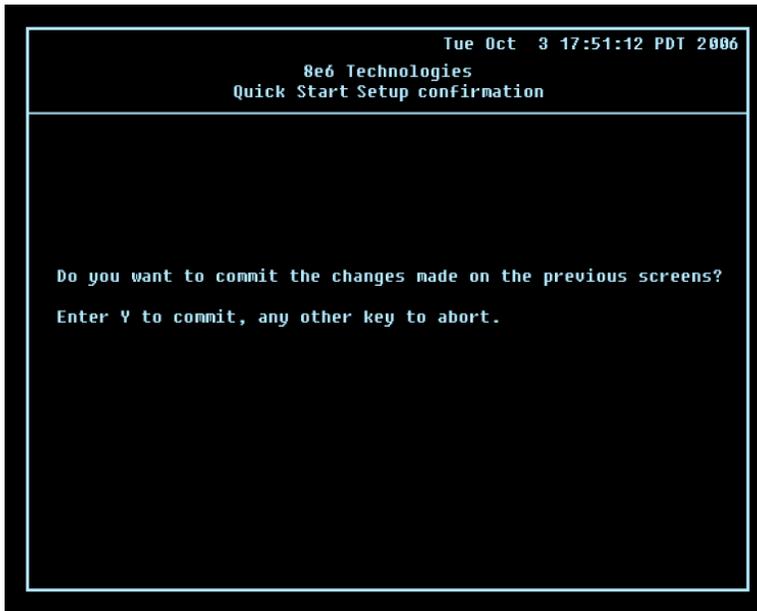


- A. At the **Enter wizard user name** field, enter the username that will be used to access the setup wizard in the Threat Analysis Reporter interface. Press **Enter** to display the confirmation prompt.
- B. Press **Y** for “Yes” to confirm and save your entry and to go to the next screen.



- C. At the **Enter wizard password** field, enter the password that will be used to access the setup wizard in the Threat Analysis Reporter interface. Press **Y** for “Yes” to confirm and save your entry and to go to the Quick Start Setup confirmation screen.

## Quick Start Setup confirmation screen



Press **Y** for “Yes” to save all your Quick Start setup entries and to return to the Administration menu.

---

 **NOTE:** When saving your entries, there may be a 4-10 second delay before the Administration menu displays.

---

## Administration menu

After making all entries using the Quick Start setup process, you will return to the Administration menu. Press **X** to return to the Quick Start menu screen. Or, to verify the status of the Threat Analysis Reporter and review the entries you made using the Quick Start setup process, press **1** to view the System Status screen.

---

 **NOTE:** Changing your password using option C, “Change Quick Start password”, will change the password for the console menu but not the Threat Analysis Reporter console login screen.

---

## System Status screen

```
Tue Oct 3 17:40:04 PDT 2006
8e6 Technologies
System Status - updates every 10 seconds

LAN1 interface for web access and R3000 communications
LAN1 IP = 200.100.10.10 Mask = 255.255.0.0           Active
LAN2 interface for bandwidth monitoring
LAN2 IP = 1.2.3.4 Mask = 255.0.0.0                 Inactive
Default gateway IP: 200.100.10.1
TAR host name: tar1.logo.com

DNS server IP address(es): admin.logo.com 200.100.10.200

TAR processing is normal
Current Version: Threat Analysis Reporter 1.0.10.8

Press any key to return to menu...
```

The System Status screen contains the following information:

- **lan1 interface for web access and R3000 communications:** LAN1 IP address and netmask specified in screen 3 (Configure Network Interface), and current status (“Active” or “Inactive”)
- **lan2 interface for bandwidth monitoring:** LAN2 IP address and netmask specified in screen 4 (Configure Network Interface), and current status (“Active” or “Inactive”)
- **Default gateway IP** address specified in screen 5 (Configure default gateway)
- **Configure host name** specified in screen 7 (Configure Host Name)
- **DNS server IP address(es)** specified in screen 6 (Configure Domain Name Servers)
- Current status of the Threat Analysis Reporter
- Current Version of the Threat Analysis Reporter software



**NOTE:** Modifications can be made at any time by returning to the specific screen of the Quick Start menu.

## Log Off, Disconnect the Peripherals

- A. After completing the Quick Start setup procedures, return to the Quick Start menu screen and press **9** to log out.
- B. Disconnect the peripherals from the Threat Analysis Reporter.

## Step 2: Physically Connect the Unit to the Network

After performing initial setup procedures for the Threat Analysis Reporter, the unit should be physically connected to the network. This step requires a standard CAT-5E cable to connect the unit to the network. An additional CAT-5E cable is required if the Ethernet Tap unit will be installed for bandwidth monitoring.

- A. Plug one end of a standard CAT-5E cable into the Threat Analysis Reporter's LAN 1 port, the port on the left.



Rear of the "S" and "MSA" chassis



Rear of the "H" chassis

- B. Plug the other end of the CAT-5E cable into an open port on the network switch.

### Bandwidth Management

If you choose to install the Ethernet Tap for bandwidth monitoring, you will need to connect it to the Threat Analysis Reporter at this point. Refer to Appendix A at the end of this document for instructions on how to connect the Ethernet Tap unit.

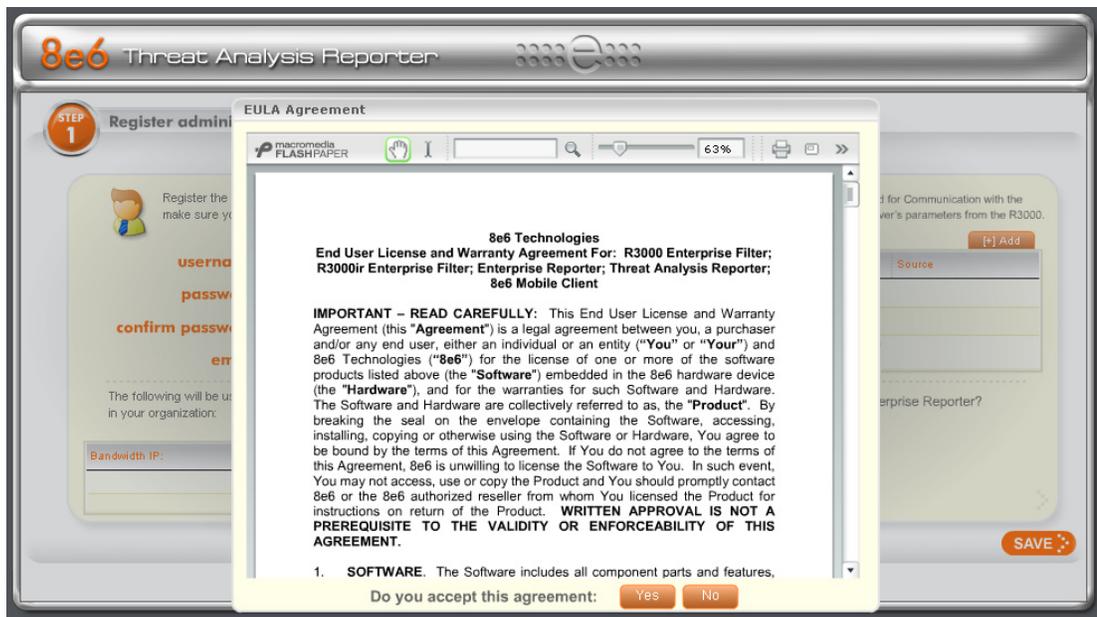
## Step 3: Wizard Setup Procedures

For this step, you will need your network administrator to provide you the following information:

- IP range and netmask of machines on the network the Threat Analysis Reporter server will be monitoring
- R3000 IP address, and port number to be used between the R3000 and Threat Analysis Reporter
- 8e6 Enterprise Reporter server IP address and server name, if an ER unit is connected to the R3000

### Access the Threat Analysis Reporter Administrator Console

- A. Launch Internet Explorer.
- B. In the address field, type in **http://x.x.x.x:8080/8e6tar/wizard.html** (in which “x.x.x.x” represents the eth0 IP address entered in the Connect Network Interface screen of the Quick Start Setup Procedures). In our example, this entry would be: **http://200.100.10.10:8080/8e6tar/wizard.html**.
- C. Click **Go** to open the Threat Analysis Reporter interface and the EULA Agreement dialog box:



- D. After reading the End User License Agreement, you have the option to do either of the following:
- Click **No** to close both the EULA Agreement dialog box and the Threat Analysis Reporter interface. You will not be able to enable the Threat Analysis Reporter for use in your environment.
  - Click **Yes** to close the EULA Agreement dialog box and to open the Login dialog box:



Proceed to the next sub-section: Log in to the Threat Analysis Reporter Wizard.

## Log in to the Threat Analysis Reporter Wizard

- In the **Username** field of the Login dialog box, type in the username specified in the Configure Wizard user screen of the Quick Start Setup Procedures. In our example, this entry would be: **taruser**.
- In the **Password** field, type in the password specified in the Configure Wizard user screen of the Quick Start Setup Procedures.
- Click **LOGIN** to close the login dialog box and to go to Step 1 of wizard setup procedures in the Threat Analysis Reporter Wizard (see Step 1: Register administrator).

## Wizard Step 1: Register administrator

Step 1 is performed in the left side of the first screen of the wizard:

The screenshot shows the 8e6 Threat Analysis Reporter wizard interface. The title bar reads "8e6 Threat Analysis Reporter". The interface is divided into two main sections: "STEP 1 Register administrator" and "STEP 2 Register R3000 & ER".

**STEP 1 Register administrator:** This section contains a form for registering the first administrator. It includes a small icon of a person and the text: "Register the first administrator for the TAR box. Please make sure you use only alpha-numeric characters." The form fields are: "username : jsmith23", "password : \*\*\*\*\*", "confirm password : \*\*\*\*\*", and "email : jsmith23@logo.com". Below these fields, there is a section for bandwidth monitoring: "The following will be used to calculate the bandwidth monitoring in your organization:" followed by a table with columns "Bandwidth IP:" and "Bandwidth Netmask:". There is a "[+] Add" button next to the table.

**STEP 2 Register R3000 & ER:** This section contains a form for registering R3000 and ER. It includes a small icon of a server and the text: "R3000 // These settings are used for Communication with the TAR agent to retrieve the Patch Server's parameters from the R3000." Below this is a table with columns "IP\_Address", "Server\_Name", and "Source". There is a "[+] Add" button next to the table. Below the table, there is a section for ER: "ER // Do you have an Enterprise Reporter?" followed by radio buttons for "Yes" and "No".

At the bottom of the wizard, there is a "SAVE" button and a progress indicator showing "Completed Steps 1 2 3".

- Enter the **username** the global administrator will use when logging into the Threat Analysis Reporter Administrator console. The global administrator has the highest level of permissions in the Threat Analysis Reporter interface.
- Enter the **password** to be used with that username, and enter the same password again in the **confirm password** field.
- Enter the **email** address of the global administrator, who will be notified via email regarding system alerts.

- D. Click the [+] Add tab below to open the IP Range Information dialog box:

The screenshot shows the 8e6 Threat Analysis Reporter interface. It is divided into two main sections: Step 1 'Register administrator' and Step 2 'Register R3000 & ER'. In Step 1, there are input fields for username (jsmith23), password (masked), confirm password (masked), and email (jsmith23@logo.com). Below these are fields for 'Bandwidth IP' and 'Bandwidth Netmask'. In Step 2, there is a table for R3000 servers with columns for IP Address, Server Name, and Source. Below the table is a question 'ER // Do you have an Enterprise Reporter?' with radio buttons for Yes and No. A 'SAVE' button is at the bottom right. An 'IP Range Information' dialog box is overlaid on the interface, showing the IP address 200.100.10.0 and Netmask 255.255.255.248, with 'CANCEL' and 'OK' buttons.

- E. Enter the **Bandwidth IP** address range for the bandwidth the Threat Analysis Reporter will monitor.
- F. Enter the **Bandwidth Netmask** for the bandwidth IP range to be monitored, using the dotted decimals notation format.
- G. Click **OK** to close the dialog box and to display your entries in the list box:

This screenshot shows the same 8e6 Threat Analysis Reporter interface as the previous one, but the 'IP Range Information' dialog box is now closed. The 'Bandwidth IP' field now contains '200.100.10.0' and the 'Bandwidth Netmask' field contains '255.255.255.248'. The rest of the interface, including the registration forms and the R3000 server table, remains the same.

 **NOTE:** Additional Bandwidth IP address ranges can be included by clicking the [+] Add tab again and making the entries described in steps E through G above.

To modify an IP address range, double-click the entry in the list box to highlight it and to display the [-] Remove tab to the left of the [+] Add tab:

**8e6 Threat Analysis Reporter**

**STEP 1 Register administrator**

Register the first administrator for the TAR box. Please make sure you use only alpha-numeric characters.

username : jsmith23

password : \*\*\*\*\*

confirm password : \*\*\*\*\*

email : jsmith23@logo.com

The following will be used to calculate the bandwidth monitoring in your organization:

Bandwidth IP:	Bandwidth Netmask:
200.100.10.0	255.255.255.248
200.100.10.10	255.255.255.248

**STEP 2 Register R3000 & ER**

R3000 // These settings are used for Communication with the TAR agent to retrieve the Patch Server's parameters from the R3000.

IP_Address	Server_Name	Source

ER // Do you have an Enterprise Reporter?

Yes  No

**SAVE**

Completed Steps 1 2 3

- To modify the entries made for the IP address range, click the [+] Add tab to re-open the IP Range Information dialog box and edit information, as necessary. Click **OK** to close the dialog box and to display the modified information in the list box.
- To remove the entry for the IP address range from the list box, click the [-] Remove tab. Click the [+] Add tab to open the IP Range Information dialog box and make new entries for the IP address range.

## Wizard Step 2: Register R3000 & ER

Step 2 is performed in the right side of the first screen of the wizard.

### R3000:

Specify information for the R3000 to be used with the Threat Analysis Reporter:

- A. Click the [+] Add tab above the R3000 list box to open the R3000 Information dialog box:



- B. Enter the **IP address** of the R3000 server to be used with the Threat Analysis Reporter. In our example, this is: **200.100.160.74**, which is the LAN 2 IP address of the R3000 server.
- C. Enter the **Server Name** of the R3000 to be used with the Threat Analysis Reporter, which is any name you wish to associate with that R3000. In our example, this is: **R3000LOGO**.
- D. Respond to the question “Is this your Source R3000?” by clicking the “Yes” checkbox, if this R3000 will be designated the primary R3000 to be associated with the Threat Analysis Reporter. Otherwise, leave the checkbox blank.

E. Click **OK** to close the dialog box and to display your entries in the list box:



**NOTE:** Additional R3000 servers can be included by clicking the [+ Add] tab again and making the entries described in steps A through E above.

To modify an R3000 entry, double-click the R3000 entry in the list box to highlight it and to display the Set as Source tab and the [-] Remove tab to the left of the [+ Add] tab:



- To modify the IP address and Server Name for the R3000 server, click the [+] Add tab to re-open the R3000 Information dialog box, and edit information as necessary. Click **OK** to close the dialog box and to display the modified information in the list box.
- To designate an R3000 as the Source R3000 server, click the entry for the R3000 server in the list box to highlight it, and then click the Set as Source tab to display “Source” in the Source column for that entry in the list box.
- To remove the entry for the R3000 server from the list box, click the [-] Remove tab.

**8e6 Threat Analysis Reporter**

**STEP 1 Register administrator**

Register the first administrator for the TAR box. Please make sure you use only alpha-numeric characters.

username : jsmith23  
password : \*\*\*\*\*  
confirm password : \*\*\*\*\*  
email : jsmith23@logo.com

The following will be used to calculate the bandwidth monitoring in your organization:

Bandwidth IP:	Bandwidth Netmask:
200.100.10.10	255.255.255.248

[+] Add

**STEP 2 Register R3000 & ER**

R3000 // These settings are used for Communication with the TAR agent to retrieve the Patch Server's parameters from the R3000.

IP_Address	Server_Name	Source
200.100.160.74	R3000LOGO	Source

[+] Add

ER // Do you have an Enterprise Reporter?

Yes  No

**SAVE**

Completed Steps 1 2 3

**ER:**

Respond to the question “Do you have an Enterprise Reporter?” by clicking the radio button corresponding to either “Yes” or “No”.

- If “No” was selected, click **SAVE >** at the bottom right of the screen to go to Step 3.
- If “Yes” was selected, the IP address and Server Name fields display in place of the radio buttons. The < Back button displays above the Server Name field.

**8e6 Threat Analysis Reporter**

**STEP 1 Register administrator**

Register the first administrator for the TAR box. Please make sure you use only alpha-numeric characters.

username : jsmith23

password : \*\*\*\*\*

confirm password : \*\*\*\*\*

email : jsmith23@logo.com

The following will be used to calculate the bandwidth monitoring in your organization:

Bandwidth IP:	Bandwidth Netmask:
200.100.10.10	255.255.255.248

**STEP 2 Register R3000 & ER**

R3000 // These settings are used for Communication with the TAR agent to retrieve the Patch Server's parameters from the R3000.

IP_Address	Server_Name	Source
200.100.160.74	R3000LOGO	Source

ER // Do you have an Enterprise Reporter?

IP address : 200 10 101 76

Server Name: er4logo

**SAVE >**

Completed Steps 1 2 3

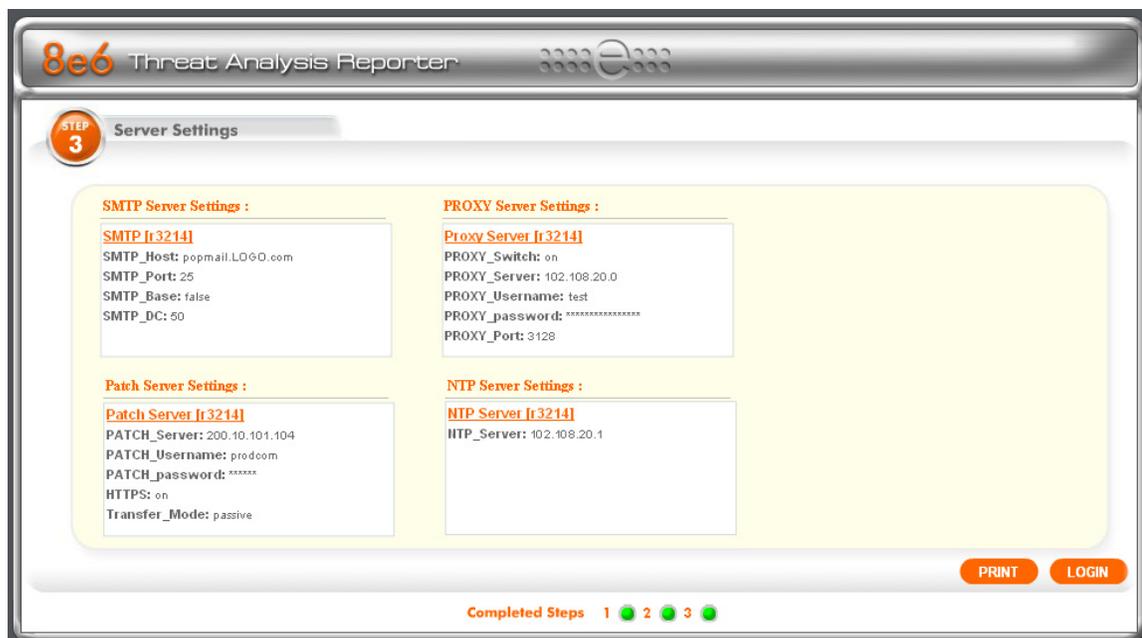
**NOTE:** To change your answer from “Yes” to “No,” click the < **Back** button to re-display the question “Do you have an Enterprise Reporter?”

- Enter the **IP address** of the ER server to be used with the Threat Analysis Reporter. In our example, this is: **200.10.101.76**.
- Enter the **Server Name** of the ER server to be used with the Threat Analysis Reporter. In our example, this is: **er4logo**.
- Click **SAVE >** at the bottom right of the screen to save all settings entered during the wizard process, and to go to Step 3.

**NOTE:** Upon clicking **SAVE >** the wizard will verify whether the settings made in Step 1 and Step 2 are correct. If there is an error in any entry made, an orange asterisk flashes beside the field in which the error was made. Correct the error and click **SAVE >** again to go to Step 3.

## Wizard Step 3: Server Settings

Step 3, the following R3000 server information displays: SMTP Server Settings, Patch Server Settings, PROXY Server Settings, NTP Server Settings:



After reviewing the information in this screen, the following actions can now be performed:

- To print this information, click the **PRINT** button.
- Click **LOGIN** to close the wizard and to open the login dialog box of the Threat Analysis Reporter interface so you can begin using the application.

 **NOTE:** To shut down the Threat Analysis Reporter server, press the power button on the front of the unit to turn off the machine.

## CONCLUSION

Congratulations; you have completed the Threat Analysis Reporter quick start procedures. Now that the Threat Analysis Reporter is running on your network, the next step is to set up user groups or administrator groups. You will set up and configure gauges thereafter.

Obtain the latest Threat Analysis Reporter User Guide from our Web site at [http://www.marshall8e6.com/software/8e6/docs/tar\\_ug.pdf](http://www.marshall8e6.com/software/8e6/docs/tar_ug.pdf).

## SPECIFICATIONS

### Physical Specifications

Specification	“S” Value	“H” Value	“MSA” Value
Height	1.7” (43mm)	1.7” (43mm)	1.7” (43mm)
Width	16.8” (426mm)	17.2” (438mm)	16.8” (426mm)
Depth	22.6” (574mm)	26.8” (681mm)	14.0” (356mm)
Front clearance	2 inches (76mm)	2 inches (76mm)	2 inches (76mm)
Side clearance	1 inch (25mm)	1 inch (25mm)	1 inch (25mm)
Rear clearance	3.6 inches (92mm)	3.6 inches (92mm)	3.6 inches (92mm)
Weight	19.5 lbs (8.85 kg)	43.0 lbs (19.5 kg)	11 lbs, 5 oz (5.13 kg)



### Internal Product Specifications

Specification	“S” Value	“H” Value	“MSA” Value
<b>CPU</b>	2.0GHz P4 CPU	2x3.6GHz Xeon CPU	2.0GHz Celeron CPU
<b>Memory</b>	3GB PC4200 / DDR2-533 Dual Channel ECC RAM	3GB PC2700 / DDR-333 ECC SDRAM	3GB PC2700 / DDR-333 Dual Channel RAM
<b>Hard drive capacity</b>	1x250GB HDD	2x250GB HDD	1x250GB HDD
<b>Connectivity</b>	10/100/1000	10/100/1000	10/100/1000 10/100/1000

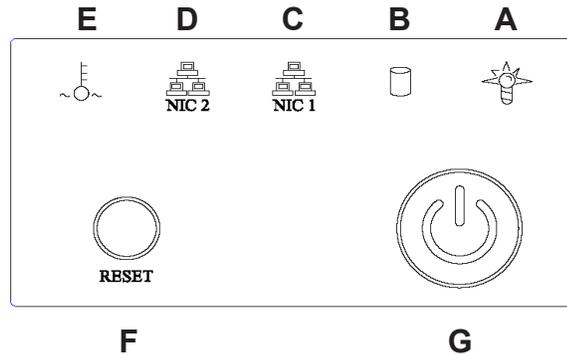
## Hardware Component Specifications

Specification	“S” Value	“H” Value	“MSA” Value
Operating temperature range	10° C ~ 35° C (50° F ~ 95° F)	10° C ~ 35° C (50° F ~ 95° F)	10° C ~ 35° C (50° F ~ 95° F)
Storage temperature range	-40° C ~ +60° C (-40° F ~ 158° F)	-40° C ~ +60° C (-40° F ~ 158° F)	-40° C ~ +70° C (-40° F ~ 158° F)
Operating humidity range	8 ~ 90% non-condensing	8 ~ 90% non-condensing	8 ~ 90% non-condensing
Storage humidity range	5 ~ 95% non-condensing	5 ~ 95% non-condensing	5 ~ 95% non-condensing
Power supply	260W AC power supply [24-pin, (4-pin = 12V)]	560W Hot-swap redundant AC power supply with PFC [ 24-pin, (8-pin = 12V) ]	Thermal control 260W AC power supply with PFC [ 24-pin, (4-pin = 12V) ]
Rated AC input voltage	100 ~ 240V, 50/60Hz, 5-3 Amp	100 ~ 240V, 60-50Hz, 10-5 Amp per power supply module (two modules included in the chassis)	100 ~ 240V, 60-50Hz, 5-3 Amp
Rated input frequency	50 ~ 60 Hz	50 ~ 60 Hz	50 ~ 60 Hz
Rated input current	5A MAX	10A (115V) to 5A (230V)	5A MAX
Rated output power	260W	560W	260W
Maximum rated BTU	1370 BTUs/Hr	N/A (see specs below)	N/A (see specs below)
Nominal DC output: +3.3V	15.0A	21.0A	15.0A
Nominal DC output: +5V	25.0A	30.0A	25.0A
Nominal DC output: +12V	18.0A	42.0A	18.0A
Nominal DC output: -12V	1.0A	1.0A	1.0A
Nominal DC output: +5V standby	2.0A	4.0A	2.0A
Regulatory (power supply)	Power Supply Safety / EMC USA - UL listed, FCC Canada - CUL listed Germany - TUV Certified Europe/CE Mark EN 60950/IEC 60950-Compliant	EN 60950/IEC 60950-Compliant UL Listed (USA) CUL Listed (Canada) TUV Certified (Germany)	USA - UL listed, FCC Canada - CUL listed Germany - TUV Certified Europe/CE Mark EN 60950/IEC 60950-Compliant

## “S” and “MSA” Front Panel LED Indicators, Buttons

### Diagrams and Descriptions

On “S” and “MSA” units, LED indicators and buttons display on the front panel to the right:



LED indicators alert you to the status of a feature on the unit while buttons let you perform a function on the unit.

### LED Indicators and Buttons

#### LED Indicator Key

- A. Power
- B. HDD Activity
- C. LAN 1
- D. LAN 2
- E. Overheat

#### Button Key

- F. Reset
- G. Power

LED Indicator	Color	Condition	Description
Power	Green	On	System On
		Off	System Off
HDD	Amber	Blinking	HDD Activity
		Off	No HDD Activity
LAN 1 & LAN 2	Green	On	Link Connected
		Blinking	LAN Activity
		Off	Disconnected
Overheat	Red	On	System Overheated
		Off	System Normal

# APPENDIX: OPTIONAL ETHERNET TAP INSTALLATION

This appendix pertains to the optional installation of the Ethernet Tap unit for bandwidth monitoring.

## Preliminary Setup Procedures

### Unpack the Ethernet Tap Unit from the Box

Open the NetOptics Ethernet Tap box and verify that all accessories are included. Save all packing materials in the event that the unit needs to be returned to 8e6 Technologies.

The NetOptics box should contain the following items:

- 1 NetOptics 10/100BaseT Tap
- 2 Power Supply units
- 2 AC Power cords
- 2 Crossover cables
- 2 Straight through cables
- 1 Installation Guide

### Other Required Installation Items

In addition to the contents of the NetOptics box, you will need the following item to install the Ethernet Tap unit:

- 1 Standard CAT-5E cable

Inspect the box for damage. If the contents appear damaged, file a damage claim with the carrier immediately.

## Install the Ethernet Tap Unit

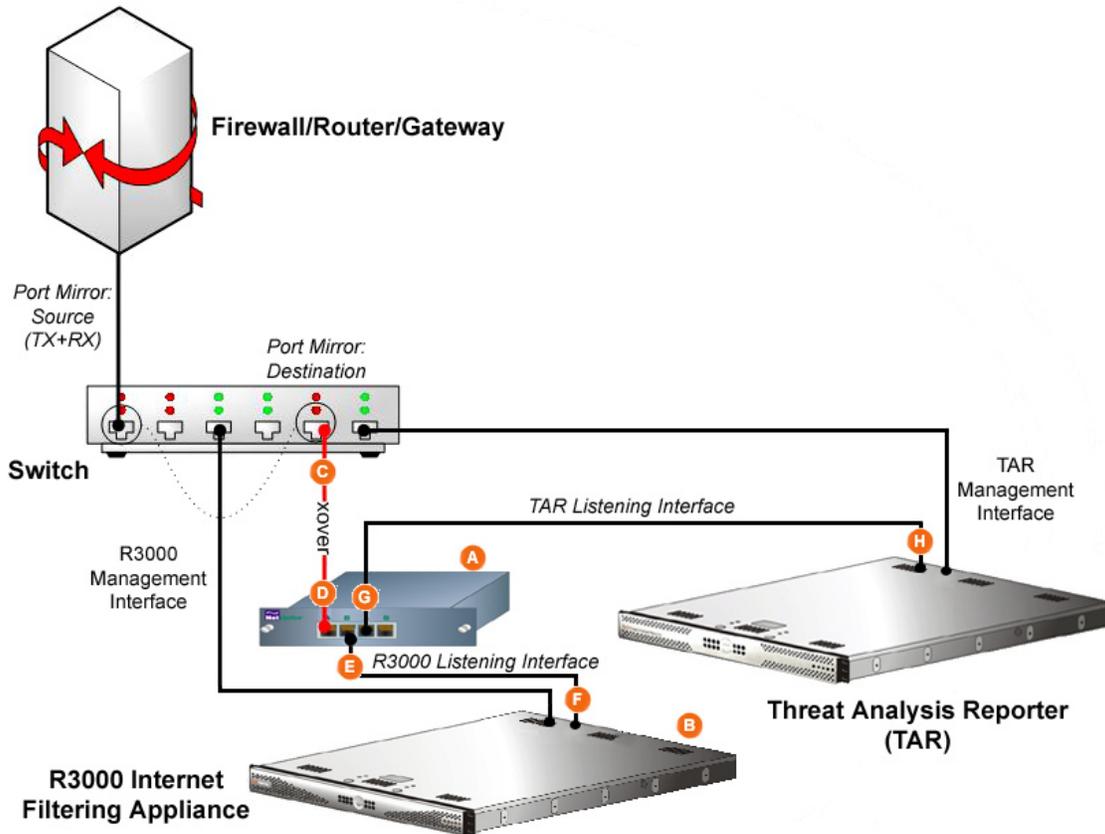


Diagram showing TAR Ethernet Tap installation on the network

This step is a continuation from Step 2: Physically Connect the Unit to the Network. The procedures outlined in this step require the use of a CAT-5E cable.

- A. Provide power to the Ethernet Tap by connecting both power cords from the unit to the power source.



AC power in rear panel of NetOptics 10/100BaseT Tap

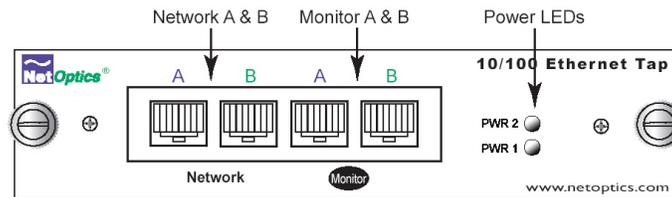
- B. If a designated source R3000 (to be used with the Threat Analysis Reporter) is already installed on the network, disconnect the cable that connects this R3000 to the switch.

If the designated R3000 has not yet been installed, disregard this sub-step and proceed to sub-step C.

- C. Using a crossover cable, connect one end to the Switch's port configured to be the destination port of the Port Mirror.

If adding a Threat Analysis Reporter to an existing installation, this port would be the port that was originally occupied by the listening interface of the R3000.

- D. Connect the other end of the crossover cable to the Ethernet Tap's Network A port.



**Ports in front panel of NetOptics 10/100BaseT Tap**

- E. Using a straight through cable, connect one end to the Ethernet Tap's Network B port.
- F. Connect the other end of the straight through cable to the R3000's listening interface.
- G. Using the second straight through cable, connect one end to the Ethernet Tap's Monitor A port.
- H. Connect the other end of the second straight through cable to the Threat Analysis Reporter's listening interface.

Proceed to Step 3: Wizard Setup Procedures of the Threat Analysis Reporter installation instructions.

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