

## Chapter 5 Configurations

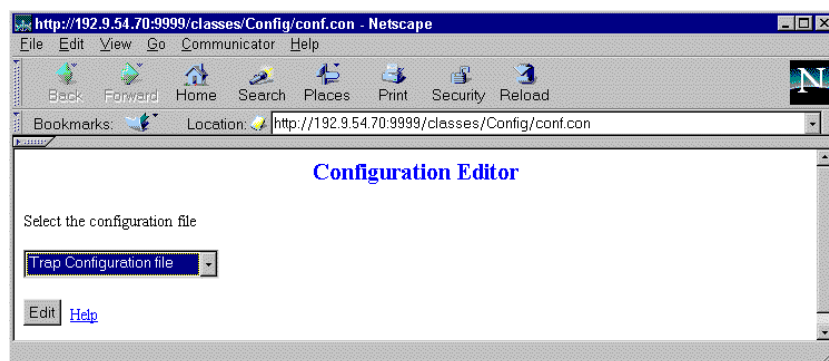
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WebASM can be configured in four ways:

- Trap Configuration
- Mail Host Configuration
- Device Defaults
- Device Type information

**To configure a file:**

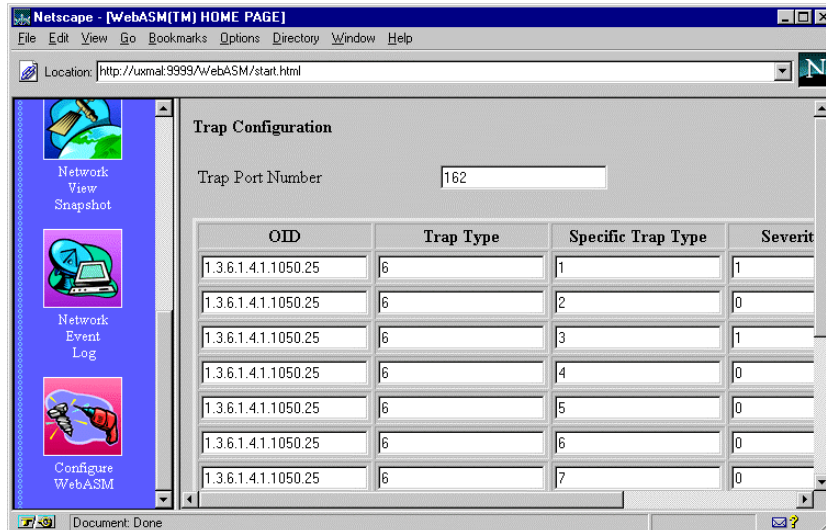
1. Click the **Configure WebASM** button to display the Configuration Editor window.
2. The drop-down menu lets you choose which file to configure. Click the drop-down menu and choose a file to configure
3. Click **Edit** to start editing.



*The configuration file editor does not validate the input. Also, WebASM needs to be restarted for the changes in the configuration to take effect.*

## 5.1 Trap Configuration File

This file contains trap related information. Traps received from devices are filtered based on the filter setting in this file.



This file contains the following parameters:

- *Trap Port Number:* the port number monitored by WebASM for traps.
- *OID:* the enterprise identifier sent by a device with the enterprise specific trap.
- *Trap Type:* this indicates the type of trap sent by the device.

The following type of traps are automatically registered into the trap daemon with severity level 0 (Critical).

- 0 - Cold Start
- 1 - Warm Start
- 2 - Link Down

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- 3 - Link Up
  - 4 - Authentication Failure
  - 5 - EGP (Exterior Gateway Protocol) Neighbor Loss



*You can add a trap of type 6 (Enterprise Specific) only.*

- *Specific Trap Type:* a specific trap type.
- *Severity level:* indicating the mapping of the trap to severity level. WebASM supports the following severity levels:
  - 0 - Critical
  - 1 - Minor
- *Description:* A string displayed along with the other trap details in the Event Log window. Each '\$i' string is substituted by a value of its OID in the VarBindList. For example, if the description is Port \$1 down and the value of the first parameter (OID) is say '2', then the description that appears in the Event Log window will be Port 2 down.

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**To add a row:**

There will always be an empty row at the bottom of any table. You can add information in that row and click **Update** button to add the row into the file.

**To delete a row:**

Delete information from all the fields of the row and click **Update** to delete the row from the file.

**To modify fields:**

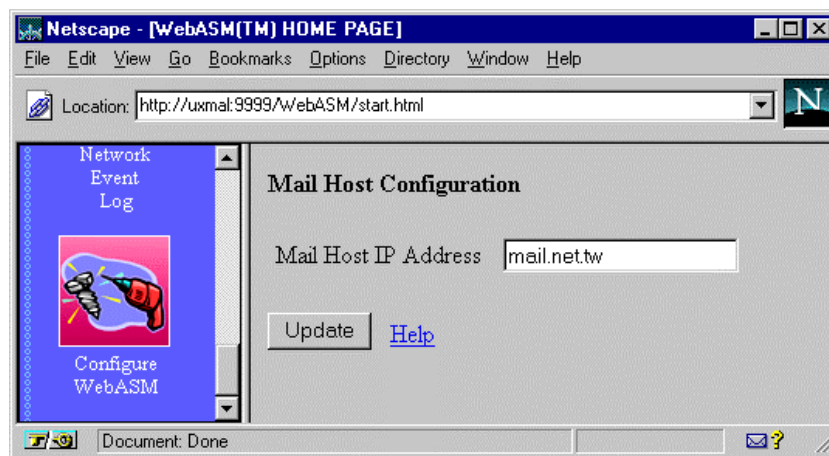
All the fields can be modified. To save the modifications click **Update**.

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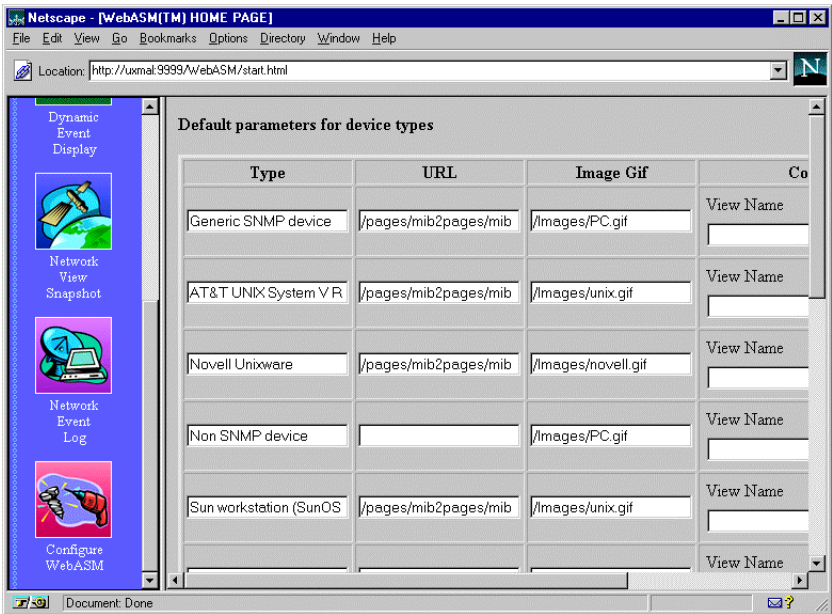
## 5.2 Mail Host Configuration File

WebASM can be configured to alert the user by sending an E-mail message upon encountering certain events. The Mail Host IP Address is the address of the SMTP Server that WebASM uses for routing E-mails.

To change the Mail Host IP Address, just type in the new IP address and click **Update**.



# 5.3 Device Defaults File



Whenever a device is added to the database the default device information configured here is attached to that device. This device defaults configuration is displayed in a tabular form. Each entry has the following fields:

Field	Description
Type	Type string of a device
URL	Default URL for management pages. This page is brought up when this device is selected for management.
Image Gif	Default icon file for this type of device. This image file is used to depict the device in the various views.
Community String Table	Default community string table for devices of this type.

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**To add a row:**

There will always be an empty row at the bottom of any table. You can add information in that row and click **Update** button to add the row into the file.

**To delete a row:**

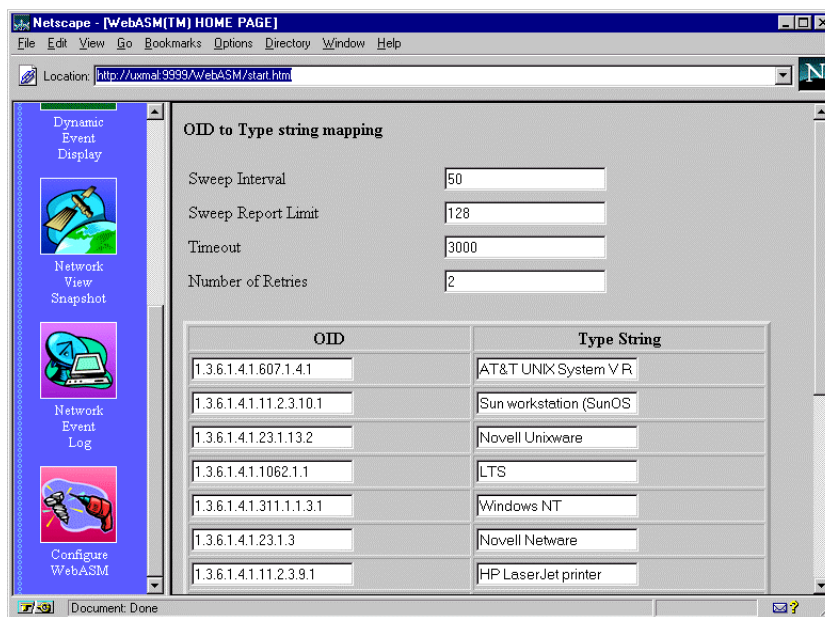
Delete information from all the fields of the row and click **Update** to delete the row from the file.

**To modify fields:**

All the fields can be modified. To save the modifications click **Update**.

## 5.4 Device Type Information OID to Type string mapping

WebASM uses the sysOID of network devices to identify the type of the device. The mapping of the sysOID to type string (described in the Device Defaults File) is also specified in this file. In addition to the mapping information, this file contains parameters controlling the topology discovery process.





Parameter	Description
Sweep Interval	This is the delay between two consecutive probe queries sent during the discovery process.
Sweep Report Limit	The discovery process displays a progress message after pinging this number of devices.
Timeout	Time for which topology discovery waits for responses after pinging all the nodes.
Number of Retries	Number of ping sweeps for discovery.
sysObjectID to type string mapping	This is shown in tabular form. It has two columns: sysOid and type string. You can use '*' as a wild card character. For the entry containing wild card character, only the substring before first '*' is compared. WebASM checks these entries in the given sequence. This table is parsed from top to bottom and the first matching entry is picked up.



*The Type field in the Device Defaults Device Types tables for a specific device must match.*