

TrapTracker

User's Guide

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About this Guide

Purpose of this guide

This guide educates the end-user to understand the interface better and to work with the application efficiently without any hassles.

Who should read this guide

The targeted audience:

- Network Administrators, who are designated to monitor and manage the health of mission critical networks, RDBMS and applications.
- Technical support personnel who can identify the problems and take appropriate action before adverse situations happen.

Typographical Conventions

Before you start, it is important to understand the typographical conventions followed in this guide:

This	Represents
Italics	References to other guides and documents.
Bold	Input fields, radio button names, check boxes, drop- down lists, links on screens, menus and menu options.
CAPS	Keys on the keyboard and buttons on screens.
{Text_to_customize}	A placeholder for something that you must customize. For example, {Server_Name} would be replaced with the name of your server/ machine name or an IP address.
Constant width	Text that you enter, program code, files and directory names, function names.
	A note, providing additional information about a certain topic.

Table 1

Document Revision Control

Document Revision Control is an alphanumeric acronym. The components of the acronym identify the following:

- First two letters name of the product
- Second two numbers version of the product
- Third two numbers build of the product
- Last four letters document description



The document revision control for this guide is as given below:

TrapTracker v4.0 b72 User Guide
Updated in accordance with release version 4.0 build 72.
Final
l

Table 2

How to Get In Touch

The following section provides information on how to obtain support for documentation and software.

Documentation Support

We welcome your honest comments and thoughtful suggestions about the quality and usefulness of this document. For further questions, comments and suggestions on this documentation, contact us at support@prismMicroSys.com.

Customer Support

For technical assistance regarding TrapTracker for Windows, contact us at <u>support@prismmicrosys.com</u>. While contacting technical support, please have the following information ready:

- Your name, e-mail address, phone number and fax number
- Topology of the network, type of hardware and the configuration you administered
- Version of TrapTracker for Windows
- Operating system
- The error message you encountered or any other error messages that appeared on your screen
- Description of how you tried to fix the problem

Chapter 1 Getting Started

In this chapter, you will learn how to:

- Start TrapTracker for Windows
- Work with Trap Windows
- Work with Traps
- Upgrade License
- Exit TrapTracker

What is TrapTracker for Windows?

The Simple Network Management Protocol (SNMP) is today a de-facto industry standard for monitoring and managing devices on data communication networks, telecommunication systems and other globally reachable devices. Practically every organization dealing with computers and related devices aims to centrally monitor, diagnose and configure each such device across local and wide area networks. SNMP is the protocol that enables this interaction.

TrapTracker for Windows [TTW] is a scalable, standard-compliant framework that receives traps send by the SNMP compliant devices. TTW provides options to categorize traps, generate custom reports and configure notifications on occurrence of a specific trap.

TrapTracker for Windows helps the user to:

- Monitor, consolidate, and analyze traps sent by SNMP compliant devices
- Parse MIB (based on ASN-1 format) files.
- Retrieve object and trap definitions from MIB file. This implies that MIB modules describing the traps are compiled to facilitate the translation of SNMP PDUs into user understandable format. Traps that cannot be translated should not be discarded, but should be displayed and stored in raw format.
- View the contents of MIB files in a format easily understood by the user.
- Compile and store multiple MIBs in a single file.
- Collect and consolidate Trap details, Category details and Alert details into the database.
- Configure real-time notification by E-mail, beep, and custom action.
- Conform to audit requirements suggested by GLBA, HIPAA, Sarbanes-Oxley Changing Client Service Account, California Senate Bill 1386, the USA Patriot Act and NISPOM.

TrapTracker Components

TTW version 4.x has the following components.

- A background process that receives and processes generic SNMP v1 and v2 traps; send by SNMP compliant devices.
- Feature-rich GUI application to categorize traps, filter traps for customized views, configure Alerts, upgrade license etc
- A MibCompiler

TrapTracker Manager

TrapTracker Manager is the nerve center of the framework. It collects SNMPv1 and v2 traps sent by various SNMP compliant network devices, validates and logs them into the database and checks whether any Alert needs to be performed. The TTW Manager employs the MibCompiler to translate the traps received by TrapTracker Receiver service at port 162 into user-friendly names.

The GUI enables the user to:

- View live System window that provides information about trap activity on all monitored devices. Whenever a device generates traps, the criticality of the traps is indicated by visual indicators in the All Traps window as well as in the Systems window. The System window also provides a view, where only the latest traps that occurred on the system can be viewed and acknowledged.
- Filter Traps for view by setting criteria
- Acknowledge the traps that are viewed. The acknowledge traps are cleared from view, but are committed to the database. The TrapTracker Manager automatically acknowledges traps that are older than a specified time frame.
- Spawn multiple new windows on the console with each window showing only traps that match its own selection criteria.
- Script User Notes for any specific Trap. The User Notes is useful to keep track of what action was taken for a Trap, before the trap was acknowledged (cleared from view). The Notes entered here are visible in the reports/history.
- Import and Export Categories
- Generate customized reports



Database is the repository of all received traps, configured Alerts and other configuration data.

MibCompiler

The collection of related objects implemented by a system is called an MIB: Management Information Base. All network resources that are to be monitored are described in the form of objects using ASN-1 language and stored in a MIB file.

MibCompiler is responsible for parsing an input MIB file and checking its syntax and semantics for any error (if present). After successful compilation, it keeps object

information in binary format, which is used by TTW Manager from SNMP PDUs to traps translation.

The MibCompiler/Browser helps in compilation of custom MIBs into the TTW system.

Starting TrapTracker for Windows

- To start TrapTracker Manager
- 1 Double-click **TrapTracker** on the Control Panel.

TrapTracker displays the TrapTracker Manager Console.

TrapTracker Manager Console - Demo										
File Edit View Options Reports Tools Window Help										
😭 🗄 Trap Categories	🖌 Alerts 🔭 Fi	ilters 进 Report 🢡								
Data / Time	Course	Tree Mene	Veri	- Li						
A/14/2009 10:22:41	1021001.00	1 2 6 1 4 1 7011 1 2	vano uble		2000/016	04 14 10 22 25		1 ubc_2 ub7_Eu	-ontTracker ub0-2 u	
A/14/2009 10:23:41	192 168 1 88	136141701112	vb1-	-63088 vb2=12	39684815, vb3+2000	04-14-10:23:35,	-64-WEBDOC1, v65-	1, VBC=3, VBT=EV 1, VbC=3, Vb7=EV	antTracker, vb8-2, v	db
4/14/2009 10:23:47	192 168 1 88	136141701112	wh1	=63089, vb2=12 =63089, vb2=12	39684815_vb3=2005	0414102335	<pre>/b4=\w/EBDOC1_vb5=' /b4=\w/EBDOC1_vb5='</pre>	3, vb6=3, vb7=Ev	entTracker, vb8=2, v	/b
4/14/2009 10:23:43	192 168 1 88	136141701112	vh1=	=63090, vb2=12	39684813 vb3=2005	04-14 10:23:33	/h4=WEBDOC1_vh5=	2 vh6=5 vh7=Se	curity vh8=5 vh9=8	6
4/14/2009 10:23:43	192.168.1.88	1.3.6.1.4.1.7011.1.2	vb1-	=63091.vb2=12	39684815. vb3=2009	04-14 10:23:35.	/b4=WEBDOC1.vb5=	2. vb6=5. vb7=Se	curity, yb8=5, yb9=8	6
4/14/2009 10:23:43	192.168.1.88	1.3.6.1.4.1.7011.1.2	vb1-	=63092, vb2=12	39684816, vb3=2009	04-14 10:23:36,	/b4=WEBDOC1, vb5=3	2, vb6=5, vb7=Se	ourity, vb8=5, vb9=8	6
4/14/2009 10:23:43	192.168.1.88	1.3.6.1.4.1.7011.1.2	vb1-	=63093, vb2=12	39684817, vb3=2009	04-14 10:23:37,	/b4=WEBDOC1, vb5=3	2, vb6=5, vb7=Se	curity, vb8=5, vb9=8	6
4/14/2009 10:23:43	192.168.1.88	1.3.6.1.4.1.7011.1.2	vb1-	=63094, vb2=12	39684818, vb3=2009	04-14 10:23:38,	/b4=WEBDOC1, vb5=3	2, vb6=5, vb7=Se	ourity, vb8=5, vb9=8	6
9 4/14/2009 10:23:43	192.168.1.88	1.3.6.1.4.1.7011.1.2	vb1-	-63095, vb2=12	39684819, vb3=2009	+04-14 10:23:39, •	/b4=WEBDOC1, vb5=3	2, vb6=5, vb7=Se	ourity, vb8=5, vb9=8	6
4/14/2009 10:23:43	192.168.1.88	1.3.6.1.4.1.7011.1.2	vb1	=63096, vb2=12	39684820, vb3=2009	04-14 10:23:40,	/b4=WEBDOC1, vb5=2	2, vb6=5, vb7=Se	ourity, vb8=5, vb9=8	6
9 4/14/2009 10:23:44	192.168.1.88	1.3.6.1.4.1.7011.1.2	vb1	=63097, vb2=12	39684821, vb3=2009	04-14 10:23:41,	/b4=WEBDOC1, vb5=2	2, vb6=5, vb7=Se	ourity, vb8=5, vb9=8	6
9 4/14/2009 10:23:44	192.168.1.88	1.3.6.1.4.1.7011.1.2	vb1	=63098, vb2=12	39684821, vb3=2009	04-14 10:23:41,	/b4=WEBDOC1, vb5=	2, vb6=4, vb7=Se	curity, vb8=5, vb9=5	9
4/14/2009 10:23:44	192.168.1.88	1.3.6.1.4.1.7011.1.2	vb1=	=63099, vb2=12	39684822, vb3=2009	+04-14 10:23:42, •	/b4=WEBDOC1, vb5=;	2, vb6=5, vb7=Se	curity, vb8=5, vb9=8	6
4/14/2009 10:23:44	192.168.1.88	1.3.6.1.4.1.7011.1.2	vb1=	=63100, vb2=12	39684823, vb3=2009	04-14 10:23:43,	/b4=WEBDOC1, vb5=)	2, vb6=5, vb7=Se	ourity, vb8=5, vb9=8	6
4/14/2009 10:23:45	192.168.1.88	1.3.6.1.4.1.7011.1.2	vb1=	=63101, vb2=12	39684824, vb3=2009	04-14 10:23:44, 1	/b4=WEBDOC1, vb5=:	2, vb6=5, vb7=Se	ourity, vb8=5, vb9=8	6 🚩
Maximum Traps Shown: 10	00 Selected Trap:	: 95 Total Traps In Wi	ndow: 95							1.
👍 Systems										
System Name			IP Address	Critical	Warning	Major	Information	Minor	Clear	
9 192.168.1.88			192.168.1.88	0	0	0	0	0	95	
										_

If the number of unacknowledged traps exceeds the window view limit, TrapTracker displays the "Select View Option" dialog box.

Figure 1 TrapTracker Manager Console Figure 2 Select View Option dialog box

🚓 Select View Option	×
There are 2220 unacknowledged traps. Loading all may cause delay. Please select a view option.	
Options:	
Load Recent Traps (upto maximum traps view limit, currently: 1000)	
C Show Only New Traps (logged traps will not be loaded for view)	
All traps have been logged and you can view them at any time using [Reports Report / History].	
<u>Ω</u> K	

- 2 To view only the recent traps, select the Load Recent Traps (up to maximum traps view limit, currently 1000) option.
- 3 To view new traps that are not logged into the database, select the Show Only New Traps (logged traps will not be loaded for view) option.

Note	
TrapTracker does not display the "Select Vie the first instance you start the TrapTracker Ma	ew Option" dialog box at anager Console.
Click <u>O</u> K.	

TrapTracker Manager Console

4

This section covers a conceptual overview of the TrapTracker Manager console. It helps you understand the menus and general interface of the TrapTracker Manager.

OBCHAPTER 1 Getting started

Figure 3	TrapTracker
Console	User Interface

/ Title Bar	/ Mer	nu Bar /	Toolbar 🦯	- All Tr	aps Window					
TrapTracker Manag	er Console - De	mo /								×
File Edit View Options	Reports Tools '	Window Help								-
	Alerts	ters 🛲 Report 💡	/							
	Lawar -	/								
🐴 All Traps										
Date / Time	Source	Trap Name	Variab	es						~
9 4/14/2009 10:23:41	192.168.1.88	1.3.6.1.4.1.7011.1.2	vb1=6	3087, vb2=1239	684815, vb3=2009-	04-14 10:23:35, v	Ь4=WEBDOC1, vb5=1,	vb6=3, vb7=Eve	ntTracker, vb8=2, vb	
4/14/2009 10:23:41	192.168.1.88	1.3.6.1.4.1.7011.1.2	vb1=6	3088, vb2=1239	684815, vb3=2009	04-14 10:23:35, v	b4=WEBDOC1, vb5=1,	vb6=3, vb7=Eve	ntTracker, vb8=2, vb	
4/14/2009 10:23:42	192.168.1.88	1.3.6.1.4.1.7011.1.2	vb1=6	3089, vb2=1239	684815, vb3=2009	04-14 10:23:35, v	ь4=WEBDOC1, vb5=3,	vb6=3, vb7=Eve	ntTracker, vb8=2, vb	
4/14/2009 10:23:43	192.168.1.88	1.3.6.1.4.1.7011.1.2	√b1=6	3090, vb2=1239	684813, vb3=2009	04-14 10:23:33, v	b4=WEBDOC1, vb5=2,	vb6=5, vb7=Sec	urity, vb8=5, vb9=86	
4/14/2009 10:23:43	192.168.1.88	1.3.6.1.4.1.7011.1.2	vb1=6	3091, vb2=1239	684815, vb3=2009	04-14 10:23:35, v	b4=WEBDOC1, vb5=2,	vb6=5, vb7=Sec	urity, vb8=5, vb9=86	
4/14/2009 10:23:43	192.168.1.88	1.3.6.1.4.1.7011.1.2	vb1=6	3092, vb2=1239	684816, vb3=2009	04-14 10:23:36, v	b4=WEBDOC1, vb5=2,	vb6=5, vb7=Sec	urity, vb8=5, vb9=86	
4/14/2009 10:23:43	192.168.1.88	1.3.6.1.4.1.7011.1.2	vb1=6	3093, vb2=1239	684817, vb3=2009	04-14 10:23:37, v	b4=WEBDOC1, vb5=2,	vb6=5, vb7=Sec	urity, vb8=5, vb9=86	
4/14/2009 10:23:43	192.168.1.88	1.3.6.1.4.1.7011.1.2	vb1=6	3094, vb2=1239	684818, vb3=2009	04-14 10:23:38, v	b4=WEBDOC1, vb5=2,	vb6=5, vb7=Sec	urity, vb8=5, vb9=86	
4/14/2009 10:23:43	192.168.1.88	1.3.6.1.4.1.7011.1.2	vb1=6	3095, vb2=1239	684819, vb3=2009	04-14 10:23:39, v	b4=WEBDOC1, vb5=2,	vb6=5, vb7=Sec	urity, vb8=5, vb9=86	
4/14/2009 10:23:43	192.168.1.88	1.3.6.1.4.1.7011.1.2	vb1=6	3096, vb2=1239	684820, vb3=2009	04-14 10:23:40, v	b4=WEBDOC1, vb5=2,	vb6=5, vb7=Sec	urity, vb8=5, vb9=86	
4/14/2009 10:23:44	192.168.1.88	1.3.6.1.4.1.7011.1.2	vb1=6	3097, vb2=1235	684821, vb3=2009	04-14 10:23:41, v	b4=WEBDUC1, vb5=2,	vb6=5, vb7=Sec	unty, vb8=5, vb9=86	
4/14/2009 10:23:44	192.168.1.88	1.3.6.1.4.1.7011.1.2	vb1=6	3098, vb2=1235	684821, vb3=2009	04-14 10:23:41, v	b4=WEBDUC1, vb5=2,	vb6=4, vb/=Sec	unty, vb8=5, vb9=59	
4/14/2009 10:23:44	192.168.1.88	1.3.6.1.4.1.7011.1.2	VDI=6	3099, VD2=1235	684822, VD3=2009	04-14 10:23:42, v	D4=WEBDUCT, VD5=2,	VD6=5, VD7=Sec	unty, vb8=5, vb9=86	
4/14/2009 10:23:44	192.168.1.88	1.3.6.1.4.1.7011.1.2	VDI=6	3100, VD2=1235	684823, vb3=2009	04-14 10:23:43, v	D4=WEBDUCT, VD5=2,	VD6=5, VD7=Sec	unty, vb8=5, vb9=86	-
4/14/2009 10:23:45	132.168.1.88	1.3.5.1.4.1.7011.1.2	VD1=5	3101, VD2=1233	684824, VD3=2003	04-14 TU:23:44, V	D4=WEBDUCT, VD3=2,	VD5=5, VD7=5ec	uniy, vos=5, vos=86	1
Maximum Traps Shown: 10	00 Selected Trap:	95 Total Traps In Wi	ndow: 95							//.
🐴 Systems										K
System Name			IP Address	Critical	Warning	Major	Information	Minor	Clear	
9 192.168.1.88			192.168.1.88	0	0	0	0	0	95	
	<hr/>									
	\mathbf{i}									_
	<u> </u>	Systems Windov	v							_
										-1
										-1
										-
										-
0 I NOI @ 021 I	T 0 0 11 1	T 0 0 11	7 0 7		T. I.T. 05 7	D 1107	() 1147 - 1			_
pystems wint. 🖝 clinical maps: u 🖤 wajning maps: u 🔍 Majni maps: u Total systems: T Total maps: 30 map made: Tr3 maps; / Minute										

Title Bar

The top strip of the TrapTracker window is the Title Bar. The Title Bar shows the name of the application.

Menu Bar

The menu bar contains menus with relevant commands. From the menus, choose appropriate commands or use shortcut keys to execute commands.

Toolbar

The toolbar contains buttons with tool tips to perform basic tasks.

Click	То
<u>ت</u>	View details of the trap selected from All Traps window.
Trap Categories	Configure and manage Trap Categories
🖌 Alerts	Configure Alerts and Alert actions.
* Filters	Configure and manage filters.
📕 Report	Generate consolidated reports by setting a wide range of parameters like Time Range, Categories, and VarBinds match.

Table 3

All Traps Window

Displays all traps received by the TrapTracker Receiver. It can be resized, dragged and tiled vertically or horizontally. The maximum window view limit is 1000 and can be configured to display traps within this limit.

Table 4

Field	Description
Date/ Time	Date and Time of the trap received by the TTW Receiver.
Source	Source from where the traps originated.
Trap Name	Name of the trap.
Variables	Variable definitions defined in the MIBs.

Status Bar

Displays the window view limit, serial number of the trap selected when a single trap is selected, or serial number of the last trap selected when multiple traps are selected and the total number of traps displayed currently in the window.

Systems Window

Displays the name of all monitored SNMP compliant devices.

Field	Description
System Name	Name and domain of the SNMP compliant device.
IP Address	IP address of the device
Critical	Count of Critical severity traps
Warning	Count of Warning severity traps
Major	Count of Major severity traps
Information	Count of Information traps
Minor	Count of Minor severity traps
Clear	Count of Clear severity traps

Status Bar

The first section displays the trap criticality legend. The second section displays the total number of systems being monitored, total number of traps received from the monitored systems and the rate at which the traps are received.

Table 5

Working with Trap Windows

TrapTracker provides an option to open up multiple trap windows, with each window displaying only traps that satisfy its selection criteria. This feature is useful in viewing the trap activity of certain devices in isolation from the rest of the enterprise.

Creating a New Trap Window

This option enables you to create a new trap window.

To create a new trap window

- 1 Open the TrapTracker Manager console.
- 2 From the File menu, choose New Window.

(OR)

Press Ctrl + N on your keyboard.

(OR)

From the Windows menu, choose New Window.

TrapTracker displays the "Select Window Parameters" window.

Figure 4 Select Window Parameters dialog box

🐴 Select Window Paramet	ers	×
Window Name:	All Traps	
Select View Parameters:		_
View By Trap Category		
Select An Trap Category:	-All-	
C View By Custom Selection		
Source (Name / IP):	-All-	
Severity:	-All-	
Generic:	-All-	
Enterprise:	-All-	
Traps:	-All-	
Match In VarBinds:		
<u>0</u> K	<u>C</u> ancel	

Table 6

Field	Description
Window Name	Type a descriptive name of the window.
View By Trap Category	This option is selected by default.
	Select a pre-defined Category or user-defined category from the "Select A Trap category" drop-down list.
	By default, the drop-down list has the following values -All-, sysStartup Events, linkUp, linkDown.
	The list gets populated along with the pre-defined Categories when you create new Categories.
View By Custom Selection	1
Source (Name/IP)	Type the name or IP address of the source of traps. You can explicitly define the Name/IP address of SNMP compliant devices and monitor traps sent only by those devices.

Field	Description
Severity	Select a severity level of traps.
	Available options are -All-, Clear, Minor, Information, Major, Warning, and Critical.
Generic	This drop-down list is populated with pre-defined generic traps, which are common to all the SNMP compliant devices.
	The generic traps are as follows: -All-, coldStart, warmStart, linkDown, linkUp, authenticationFailure, egpNeighborLoss, and enterpriseSpecific.
	EnterpriseSpecific are vendor-specific traps, which are defined by the vendors so that their devices can meet their special management needs.
	coldStart - the sender is reinitializing and its configuration may change
	warmStart - the sender is reinitializing but its configuration will not change
	linkDown - failure in one of the agent's links
	linkUp - one of the agent's links is up
	authenticationFailure - the agent received an improperly authenticated protocol message authenticated
	egpNeighborLoss - an Exterior Gateway Protocol neighbor is down
	enterpriseSpecific - The trap is identified as not being one of the a basic one
Enterprise	This option is enabled only when you choose the "enterpriseSpecific" option in the "Generic" drop-down list.
	This list box is populated with the available compiled MIBs.
Traps	This list box is populated with the traps that are available in the enterprise MIB you have chosen.
Match in VarBinds	To further narrow down your selection criteria, you can type a variable in this field.
	The new window you create will display the traps that match the variable you have typed.

3 Select/enter appropriately in the relevant fields.

Figure 5 Select Window Parameters dialog box with userdefined parameters

🐴 Select Window Paramet	ers	×
Window Name:	New Window	
Select View Parameters: View By Trap Category Select An Trap Category: View By Custom Selection	-All-	
Source (Name / IP): Severity:	webdoc1.Toons.local	
Generic: Enterprise: Traps:	-All-	
Match In VarBinds: <u>D</u> K	vb5=2	

TrapTracker displays the trap details for the aforementioned selection criteria in a new window.

Figure 6 New Trap Window

TrapTracker Manag	ger Console - De	mo							
File Edit View Options	Reports Tools	Window Help							
😭 🔁 Trap Categories	📝 Alerts 🎽 Fil	ters 📺 Report 🛭 🦞	?						
🚖 All Traps									
Date / Time	Source	Trap Name	Va	iables					^
4/14/2009 10:45:26	webdoc1.Toon	1.3.6.1.4.1.7011.1.1	2 vb	=64044, vb2=123	9686125, vb3=2009	9-04-14 10:45:25, v	64=WEBDOC1, v65=2	2, vb6=5, vb7=Se	curity, vb8=5, vb9=86
4/14/2009 10:45:27	webdoc1.Toon	1.3.6.1.4.1.7011.1.3	2 vb	=64045, vb2=123	9686126, vb3=2009	9-04-14 10:45:26, v	64=WEBDOC1, vb5=2	2, vb6=5, vb7=Se	ourity, vb8=5, vb9=86
4/14/2009 10:45:29	webdoc1.Toon	1.3.6.1.4.1.7011.1.3	2 vb	=64046, vb2=123	39686127, vb3=2009	9-04-14 10:45:27, v	b4=WEBDOC1, vb5=2	2, vb6=5, vb7=Se	curity, vb8=5, vb9=86
4/14/2009 10:45:29	webdoc1.Toon	1.3.6.1.4.1.7011.1.3	2 vb	=64047, vb2=123	39686128, vb3=2009	3-04-14 10:45:28, v	b4=WEBDOC1, vb5=2	2, vb6=5, vb7=Se	curity, vb8=5, vb9=86
4/14/2009 10:45:30	webdoc1.Toon	1.3.6.1.4.1.7011.1.1	2 vb	=64048, vb2=123	9686129, vb3=2009	3-04-14 10:45:29, v	b4=WEBDOC1, vb5=2	2, vb6=4, vb7=Se	curity, vb8=5, vb9=59
4/14/2009 10:45:30	webdoc1.Toon	1.3.6.1.4.1.7011.1.1	2 vb'	=64049, vb2=123	39686129, vb3=2009	3-04-14 10:45:29, v	b4=WEBDOC1, vb5=2	2, vb6=4, vb7=Se	ourity, vb8=4, vb9=57
4/14/2009 10:45:30	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	2 vb'	=64050, vb2=123	9686129, vb3=2009	3-04-14 10:45:29, v	b4=WEBDOC1, vb5=2	2, vb6=5, vb7=Se	curity, vb8=5, vb9=86
4/14/2009 10:45:31	webdoc1.Toon	1.3.6.1.4.1.7011.1.3	2 vb	=64051, vb2=123	9686130, vb3=2009	3-04-14 10:45:30, v	b4=WEBDOC1, vb5=2	2, vb6=5, vb7=Se	ourity, vb8=5, vb9=86
Maximum Traps Shown: 10	00 Selected Trap:	1000 Total Traps In	Window: 1000						,
📌 New Window (Cus	tom View)								
Date / Time	Source	Trap Name	Va	iables					<u>^</u>
4/14/2009 10:45:26	webdoc1.Toon	1.3.6.1.4.1.7011.1.1	2 vb	=64044, vb2=123	9686125, vb3=2009	9-04-14 10:45:25, v	64=WEBDOC1, vb5=2	2, vb6=5, vb7=Se	curity, vb8=5, vb9=86
4/14/2009 10:45:27	webdoc1.Toon	1.3.6.1.4.1.7011.1.3	2 vb	=64045, vb2=123	9686126, vb3=2009	9-04-14 10:45:26, v	b4=WEBDOC1, vb5=2	2, vb6=5, vb7=Se	ourity, vb8=5, vb9=86
4/14/2009 10:45:29	webdoc1.Toon	1.3.6.1.4.1.7011.1.3	2 vb	=64046, vb2=123	9686127, vb3=2009	9-04-14 10:45:27, v	64=WEBDOC1, vb5=2	2, vb6=5, vb7=Se	ourity, vb8=5, vb9=86
4/14/2009 10:45:29	webdoc1.Toon	1.3.6.1.4.1.7011.1.3	2 vb	=64047, vb2=123	9686128, vb3=2009	3-04-14 10:45:28, v	64=WEBDOC1, vb5=2	2, vb6=5, vb7=Se	ourity, vb8=5, vb9=86
4/14/2009 10:45:30	webdoc1.Toon	1.3.6.1.4.1.7011.1.3	2 vb	=64048, vb2=123	39686129, vb3=2009	3-04-14 10:45:29, v	b4=WEBDOC1, vb5=2	2, vb6=4, vb7=Se	curity, vb8=5, vb9=59
4/14/2009 10:45:30	webdoc1.Toon	1.3.6.1.4.1.7011.1.1	2 vb	=64049, vb2=123	9686129, vb3=2009	3-04-14 10:45:29, v	b4=WEBDOC1, vb5=2	2, vb6=4, vb7=Se	curity, vb8=4, vb9=57
4/14/2009 10:45:30	webdoc1.Toon	1.3.6.1.4.1.7011.1.1	2 vb	=64050, vb2=123	9686129, vb3=2009	3-04-14 10:45:29, v	b4=WEBDOC1, vb5=2	2, vb6=5, vb7=Se	curity, vb8=5, vb9=86
4/1-/2009 10:45:31	webdoc1.Toon	1.3.6.1.4.1.7011.1.1	2 vb1	=64051, vb2=123	39686130, vb3=2009	3-04-14 10:45:30, v	64=WEBDOC1, v65=2	2, vb6=5, vb7=Se	ourity, vb8=5, vb9=86
Maximum Traps Shown: 10	00 Selected Trap:	839 Total Traps In \	Vindow: 839						
Svs ems									
System Name			IP Address	Critical	Warning	Major	Information	Minor	Clear
webdoc1.Toons.local			192.168.1.88	0	0	0	0	0	1045
		T 0 0	T 0	7.10.1	T . IT	T D : 00 T	() 112 -		
Systems with: 🥥 Critical	Traps: U 🔾 Warni	ng Fraps: U 🙂 Majo	Traps: U	1 otal Systems: 1	Total Traps: 1045	Trap Hate: 90 Tra	apisj / Minute		
Custom View									

Renaming a Trap Window

This option enables you to rename a trap window.

To rename a trap window

- 1 Click the window that you want to rename.
- 2 From the Edit menu, choose Rename Window.



TrapTracker displays the "TrapTracker" dialog box.

Figure 7 TrapTracker rename dialog box

TrapTracker	
Enter New Name:	ОК
	Cancel
New Window (Custom View)	

- 3 Type an appropriate name in the Enter New Name field
- 4 Click OK.

(OR)

Right-click any row on the window that you want to rename.

Note	
This option is available only for All Traps window & user-defi windows and not for Systems window.	ned
TrapTracker displays the shortcut menu.	

(OR)

From the View menu, choose Window Properties.



TrapTracker displays the "Window Parameters" window.

Figure 8 Window Parameters dialog box

🐴 Window Parameters		×
Window Name:	New Window (Custom View)	
Window Parameters (Read On	(y):	
C View By Trap Category		
Select An Trap Category	: -All-	
View By Custom Selection	n	
Source (Name / IP):	webdoc1.Toons.local	
Severity:	Clear	
Generic:	-All-	
Enterprise:	-All-	
Traps:	-All-	
Match In VarBinds:	vb5=2	
<u>0</u> K	<u>C</u> ancel	

5 Type an appropriate name in the **Window Name** field and then click **OK**.



Cascading Trap Windows

This option enables you to cascade all trap windows.

To cascade trap windows

From the **Window** menu, choose **Cascade**.

TrapTracker displays the cascaded trap windows.

Figure 9	Cascaded
Trap Wi	indows.

Date / Time Source Trap Name Variables 4/14/2009 105437 webdoc1. Toom 1.3.6.1.4.7.011.1.2 vb1=64436. vb2=1239686677. vb3=2009.04.14 10.54.37. vb4=WEBDOC1, vb5=2. vb6= 4/14/2009 105438 webdoc1. Toom 1.3.6.1.4.7.011.1.2 vb1=64437. vb2=1239686678. vb3=2009.04.14 10.54.37. vb4=WEBDOC1, vb5=2. vb6= 4/14/2009 105431 webdoc1. Toom 1.3.6.1.4.7.011.1.2 vb1=64439. vb2=1239866601. vb3=2009.04.14 10.54.37. vb4=WEBDOC1, vb5=2. vb6= 4/14/2009 105441 webdoc1. Toom 1.3.6.1.4.7.011.1.2 vb1=64439. vb2=1239866601. vb3=2009.04.14 10.54.47. vb4=WEBDOC1, vb5=2. vb6= 4/14/2009 105441 webdoc1. Toom 1.3.6.1.4.7.011.1.2 vb1=64441. vb2=1239866601. vb3=2009.04.14 10.54.47. vb4=WEBDOC1, vb5=2. vb6= 4/14/2009 105442 webdoc1. Toom 1.3.6.1.4.7.011.1.2 vb1=64444. vb2=1239866601. vb3=2009.04.14 10.54.47. vb4=WEBDOC1, vb5=2. vb6= 4/14/2009 105443 webdoc1. Toom 1.3.6.1.4.7.011.1.2 vb1=64444. vb2=1239866601. vb3=2009.04.14 10.54.47. vb4=WEBDOC1, vb5=2. vb6= 4/14/2009 10.54.44 webdoc1. Toom 1.3.6.1.4.7.011.1.2 vb1=64444. vb2=1239866684. vb3=2009.04.14 10.54.44. vb4=WEBDOC1, vb5=2. vb6= 4/14/2009 10.54.44 webdoc1. Toom 1.3.6.1.4.7.011.1.2	vb6= vb6= vb6= vb6= vb6= vb6= vb6=
4/14/2009 105437 webdocl Toom. 1.3.61.41.7011.1.2 vb1=64436, vb2=739898677, vb2=2008904.41 055437, vb4=WEBDOCL, vb5=2, vb5= 4/14/2009 105438 webdocl Toom 1.3.61.41.7011.1.2 vb1=64438, vb2=1239886673, vb2=200904.41 1055439, vb4=WEBDOCL, vb5=2, vb5= 4/14/2009 105441 webdocl Toom 1.3.61.41.7011.1.2 vb1=64439, vb2=1239886679, vb2=200904.41 1055439, vb4=WEBDOCL, vb5=2, vb5= 4/14/2009 105441 webdocl Toom 1.3.61.41.7011.1.2 vb1=64439, vb2=1239886680, vb2=200904.41 1055440, vb4=WEBDOCL, vb5=2, vb5= 4/14/2009 105441 webdocl Toom 1.3.61.41.7011.1.2 vb1=64440, vb2=1239886680, vb2=200904.41 1055440, vb4=WEBDOCL, vb5=2, vb5= 4/14/2009 105442 webdocl Toom 1.3.61.41.7011.1.2 vb1=64441, vb2=12398868802, vb2=2009.414 1055442, vb4=WEBDOCL, vb5=2, vb5= 4/14/2009 105443 webdocl Toom 1.3.61.41.7011.1.2 vb1=64443, vb2=12398686802, vb2=2009.414 1055443, vb4=WEBDOCL, vb5=2, vb5= 4/14/2009 1054445 webdocl Toom 1.3.61.41.7011.1.2 vb1=64443, vb2=12398686802, vb2=2009.414 1055443, vb4=WEBDOCL, vb5=2, vb5= 4/14/2009 105447 webdocl Toom 1.3.61.41.7011.1.2 vb1=644445, vb2=12398686802, vb2=2009.414 105444, vb4=WEBDOCL, vb5=2, vb5= 4/14/2009 105447 we	vb6= vb6= vb6= vb6= vb6= vb6=
4 /14/2009 105438 webdocl.Toon 1.3.6.1.4.1.7011.1.2 vb1=64437. vbc2123986673. vb2=2009.04.14.1054.38. vb4=WEBDOCl., vb5=2. vb6= 4/14/2009 105441 webdocl.Toon 1.3.6.1.4.1.7011.1.2 vb1=64438. vb2=1239866673. vb2=2009.04.14.1054.38. vb4=WEBDOCl., vb5=2. vb6= 4/14/2009 105441 webdocl.Toon 1.3.6.1.4.1.7011.1.2 vb1=64439. vb2=1239866681, vb2=2009.04.14.1054.39. vb4=WEBDOCl., vb5=2. vb6= 4/14/2009 105441 webdocl.Toon 1.3.6.1.4.1.7011.1.2 vb1=6444.0. vb2=1239866861, vb2=2009.04.14.1054.49. vb4=WEBDOCl., vb5=2. vb6= 4/14/2009 105442 webdocl.Toon 1.3.6.1.4.1.7011.1.2 vb1=6444.0. vb2=1239866861, vb2=2009.04.14.1054.49. vb4=WEBDOCl., vb5=2. vb6= 4/14/2009 1054.43 webdocl.Toon 1.3.6.1.4.1.7011.1.2 vb1=6444.0. vb2=1239866838. vb2=2009.04.14.1054.49. vb4=WEBDOCl., vb5=2. vb6= 4/14/2009 1054.44 webdocl.Toon 1.3.6.1.4.1.7011.1.2 vb1=6444.0. vb2=1239866838. vb2=2009.04.14.1054.49. vb4=WEBDOCl. vb5=2. vb6= 4/14/2009 1054.44 webdocl.Toon 1.3.6.1.4.1.7011.1.2 vb1=6444.0. vb2=1239866883. vb2=2009.04.14.1054.49. vb4=WEBDOCl. vb5=2. vb6= 4/14/2009 1054.44 webdocl.Toon 1.3.6.1.4.1.7011.1.2 vb1=6444.0. vb2=123986868.0. vb2=2009.04.14.1054.49. vb4=WEBDOCl. vb5=2. vb6= 4/14/2009 1054.44 webdocl.Toon 1.3.6.1.4.1.7011.1.2 vb1=6444.0.vb2=123986868.0. vb2=2009.04.14.1054.49. vb4=WEBDOCl. vb5=2. vb6= 4/14/2009 1054.44 webdocl.Toon 1.3.6.1.4.1.7011.1.2 vb1=6446.0.vb2=123986868.0.vb2=2009.04.14.1054.49. vb4=WEBDOCl. vb5=2. vb6= 4/14/2009 1054.47 webdocl.Toon 1.3.6.1.4.1.7011.1.2 vb1=6446.0.vb2=123986868.0.vb2=2009.04.14.1054.40.044.0.vb2=2.0468 4/14/2009 1054.47 webdocl.Toon 1.3.6.1.4.7011.1.2 vb1=6446.0.vb2=123986868.0.vb2=2009.04.14.1054.40.044.0.vb2=2.0468 4/14/2009 1054.47 webdocl.Toon 1.3.6.1.4.7011.1.2 vb1=6446.0.vb2=123986868.0.vb2=2009.04.14.105448.0.vb4=WEBDOCl.0.052.0.06 4/14/2009 1054.47 webd	vb6= vb6= vb6= vb6= vb6=
	vb6= vb6= vb6= vb6=
	vb6= /b6= /b6=
4/14/2009105441 webdocl.Toom 1.3.6.1.4.1.7011.1.2 vb1=64440, vb2=1239686681, vb2=200940-141.055441, vb4=VEBDOCI, vb5=2, vb5= 4/14/2009105444 webdocl.Toom 1.3.6.1.4.1.7011.1.2 vb1=64441, vb2=1239686683, vb3=200940-141.055442, vb4=VEBDOCI, vb5=2, vb5= 4/14/2009105444 webdocl.Toom 1.3.6.1.4.7011.1.2 vb1=64442, vb2=1239666683, vb3=200940-141.055442, vb4=VEBDOCI, vb5=2, vb5= 4/14/2009105444 webdocl.Toom 1.3.6.1.4.7011.1.2 vb1=64442, vb2=1239666683, vb3=200940-141.055442, vb4=VEBDOCI, vb5=2, vb5= 4/14/2009105444 webdocl.Toom 1.3.6.1.4.7011.1.2 vb1=64444, vb2=1239666683, vb3=200940-141.055442, vb4=VEBDOCI, vb5=2, vb5= 4/14/2009105447 webdocl.Toom 1.3.6.1.4.7011.1.2 vb1=64444, vb2=123966668, vb3=200940-141.055445, vb4=VEBDOCI, vb5=2, vb5= 4/14/2009105447 webdocl.Toom 1.3.6.1.4.7011.1.2 vb1=64444, vb2=123966668, vb3=200940-141.055445, vb4=VEBDOCI, vb5=2, vb5= 4/14/2009105447 webdocl.Toom 1.3.6.1.4.7011.1.2 vb1=64444, vb2=123966668, vb3=200940-141.055445, vb4=VEBDOCI, vb5=2, vb5= 4/14/2009105447 webdocl.Toom 1.3.6.1.4.7011.1.2 vb1=64444, vb2=123966668, vb3=200940-141.055445, vb4=VEBDOCI, vb5=2, vb5= 4/14/2009105447 webdocl.Toom.	/b6=
4/14/2009 105442 webdoc1.Toon 13.6.1.4.1.7011.1.2 vb1=64441, vb2-1238686882, vb3=2009.04.14 10.54.42, vb4=VEBDOC1, vb5=2, vb5= 4/14/2009 105444 webdoc1.Toon 13.6.1.4.1.7011.1.2 vb1=64442, vb2=1238668683, vb3=2009.04.14 10.54.43, vb4=WEBDOC1, vb5=2, vb5= 4/14/2009 10.54.44 webdoc1.Toon 13.6.1.4.1.7011.1.2 vb1=64444, vb2=1238668684, vb3=2009.04.14 10.54.44, vb4=WEBDOC1, vb5=2, vb5= 4/14/2009 10.54.47 webdoc1.Toon 13.6.1.41.7011.1.2 vb1=64444, vb2=123866868, vb3=2009.04.14 10.54.45, vb4=WEBDOC1, vb5=2, vb5= 4/14/2009 10.54.47 webdoc1.Toon 13.6.1.41.7011.1.2 vb1=64445, vb2=123866868, vb3=2009.04.14 10.54.45, vb4=WEBDOC1, vb5=2, vb5= 4/14/2009 10.54.47 webdoc1.Toon 13.6.1.41.7011.1.2 vb1=64445, vb2=123866868, vb3=2009.04.14 10.54.45, vb4=WEBDOC1, vb5=2, vb5= 4/14/2009 10.54.47 webdoc1.Toon 13.6.1.41.7011.1.2 vb1=64445, vb2=123866868, vb3=2009.04.14 10.54.45, vb4=WEBDOC1, vb5=2, vb5= 4/14/2009 10.54.47 webdoc1.Toon 13.6.1.41.7011.1.2 vb1=64445, vb2=123866868, vb3=2009.04.14 10.54.45, vb4=WEBDOC1, vb5=2, vb5= 4/14/2009 10.54.47 webdoc1.Toon 13.6.1.41.7011.1.2 vb1=64445, vb2=123866868, vb3=2009.04.14 10.54.45, vb4=WEBDOC1, vb5=2, vb5= 4/14/2009 10.54.47 webdoc1.Toon 13.6.1.41.7011.1.2 vb1=64445, vb2=1238668686, vb3=2009.04.14 10.54.45, vb4=WEBDOC1, vb5=2, vb5= 4/14/2009 10.54.47 webdoc1.Toon 13.6.1.41.7011.1.2 vb1=64445, vb2=1238668686, vb3=2009.04.14 10.54.45, vb4=WEBDOC1, vb5=2, vb5= 4/14/2009 10.54.47 webdoc1.Toon 13.6.1.41.7011.1.2 vb1=64445, vb2=1238668686, vb3=2009.04.14 10.54.45, vb4=WEBDOC1, vb5=2, vb5= 4/14/2009 10.54.47 webdoc1.Toon 13.6.1.41.7011.1.2 vb1=64445, vb2=1238668686, vb3=2009.04.14 10.54.45, vb4=WEBDOC1, vb5=2, vb5= 4/14/2009 10.54.47 webdoc1.Toon 13.6.1.41.7011.2 vb1=64445, vb2=1238668686, vb3=2009.04.14 10.54.45, vb4=WEBDOC1, vb5=2, vb5= 4/14/2009 10.54.47 webdoc1.Toon 13.6.1.41.7011.2 vb1=6445, vb2=123866	/b6=
4/14/2009105443 webdoct.Toom 1.3.6.1.41.7011.1.2 vb1-64442.vbc123866683.vbc200904141055443.vb4-WEBDOCI.vb5-2.vb6= 4/14/20091055445 webdoct.Toom 1.3.6.1.41.7011.1.2 vb1-64444.vbc1238666858.vbc200904141055443.vbc4-WEBDOCI.vb5-2.vb6= 4/14/20091055445 webdoct.Toom 1.3.6.1.41.7011.1.2 vb1-64444.vc21238666858.vbc200904141055445.vbc4-WEBDOCI.vb5-2.vb6= 4/14/20091055447 webdoct.Toom 1.3.6.1.41.7011.1.2 vb1-64445.vbc1238668686.vbc200904141055445.vbc4-WEBDOCI.vb5-2.vb6= 4/14/20091055447 webdoct.Toom 1.3.6.1.41.7011.1.2 vb1-64445.vbc1238668686.vbc200904141055445.vbc4-WEBDOCI.vb5-2.vb6= 4/14/20091055447 webdoct.Toom 1.3.6.1.41.7011.1.2 vb1-64445.vbc1238668686.vb2200904141055445.vbc4-WEBDOCI.vb5-2.vb6= 4/14/20091055447 webdoct.Toom 1.3.6.1.41.7011.1.2 vb1-64445.vbc1238668686.vb2200904141055445.vbc4-WEBDOCI.vb5-2.vb6= 4/14/2009105447 webdoct.Toom 1.3.6.1.41.7011.1.2 vb1-64445.vbc1238668686.vb2200904141055445.vbc4+WEBDOCI.vb5-2.vb6= 4/14/2009105447 webdoct.Toom 1.3.6.1.41.7011.1.2 vb1-64445.vbc1238668686.vb2200904141055445.vbc4+WEBDOCI.vb5-2.vb6=	/b6=
 4/14/2009 105444 webdoc1.Toom	
4/14/2009 1054.45 webdoc1.Toon 1.3.6.1.4.1.7011.1.2 vb1=64444, vb2=123868685, vb3=2009.04.14 10.5445, vb4=WEBDOC1, vb5=2, vb6= 4/14/2009 10.54.47 webdoc1.Toon 1.3.6.1.4.1.7011.1.2 vb1=64445, vb2=1238686868, vb3=2009.04.14 10.5445, vb4=WEBDOC1, vb5=2, vb6= 4/14/2009 10.54.47 webdoc1.Toon 1.3.6.1.4.1.7011.1.2 vb1=64445, vb2=1238686886, vb3=2009.04.14 10.5445, vb4=WEBDOC1, vb5=2, vb6= 4/14/2009 10.54.47 webdoc1.Toon 1.3.6.1.4.1.7011.1.2 vb1=64446, vb2=1238686886, vb3=2009.04.14 10.5445, vb4=WEBDOC1, vb5=2, vb6= 4/14/2009 10.54.47 webdoc1.Toon 1.3.6.1.4.1.7011.1.2 vb1=64447, vb2=12386868868, vb3=2009.04.14 10.5445, vb4=WEBDOC1, vb5=2, vb6= 4/14/2009 10.54.47 webdoc1.Toon 1.3.6.1.4.1.7011.1.2 vb1=64447, vb2=12386868868, vb3=2009.04.14 10.5445, vb4=WEBDOC1, vb5=2, vb6=	/b6=
 ④ //1/2009105447 webdoct.Toom 13.61.41.7011.1.2 wb1-64445, vb2-1239686868, vb2-200940-141.055446, vd+v/EBDOCT, vb5-2, vb6= ④ //1/20091055447 webdoct.Toom 13.61.41.7011.1.2 vb1-64446, vb2-1239686886, vb2-200940-141.055446, vd+v/EBDOCT, vb5-2, vb6= Ø //1/2009105447 webdoct.Toom 13.61.41.7011.1.2 vb1-64447, vb2-12396868868, vb2-200940-141.055446, vd+vEBDOCT, vb5-2, vb6= 	/b6=
 ♦ 4/14/2009 10:54:47 webdoc1.Toon 1.3.6.1.4.1.7011.1.2 vb1=64446, vb2=1239686686, vb3=2009.04:14 10:54:46, vb4=WEBDDC1, vb5=2, vb6= ♦ 4/14/2009 10:54:47 webdoc1.Toon 1.3.6.1.4.1.7011.1.2 vb1=64447, vb2=1239686686, vb3=2009.04:14 10:54:46, vb4=WEBDDC1, vb5=2, vb6= 	/b6=
4/14/2009 10:54:47 webdoc1.Toon 1.3.6.1.4.1.7011.1.2 vb1=64447, vb2=1239686686, vb3=2009-04-14 10:54:46, vb4=WEBDOC1, vb5=2, vb6=	/b6=
	/b6=
4/14/2009 10:54:47 webdoc1.Toon 1.3.6.1.4.1.7011.1.2 vb1=64448, vb2=1239686687, vb3=2009-04-14 10:54:47, vb4=WEBDOC1, vb5=2, vb6=	/b6=
4/14/2009 10:54:48 webdoc1.Toon 1.3.6.1.4.1.7011.1.2 vb1=64449, vb2=1239686688, vb3=2009-04-14 10:54:48, vb4=WEBDOC1, vb5=2, vb6=	/b6=
4/14/2009 10:54:48 webdoc1.Toon 1.3.6.1.4.1.7011.1.2 vb1=64450, vb2=1239686688, vb3=2009-04-14 10:54:48, vb4=WEBDOC1, vb5=2, vb6=	/b6=
4/14/2009 10:54:49 webdoc1.Toon 1.3.6.1.4.1.7011.1.2 vb1=64451, vb2=1239686689, vb3=2009-04-14 10:54:49, vb4=WEBDOC1, vb5=2, vb6=	/b6=
4/14/2009 10:54:51 webdoc1.Toon 1.3.6.1.4.1.7011.1.2 vb1=64452, vb2=1239686690, vb3=2009-04-14 10:54:50, vb4=WEBD 0C1, vb5=2, vb6=	/b6=
4/14/2009 10:54:51 webdoc1.Toon 1.3.6.1.4.1.7011.1.2 vb1=64453, vb2=1239686691, vb3=2009-04-14 10:54:51, vb4=WEBDOC1, vb5=2, vb6=	/b6=
4/14/2009 10:54:51 webdoc1.Toon 1.3.6.1.4.1.7011.1.2 vb1=64454, vb2=1239686691, vb3=2009-04-14 10:54:51, vb4=WEBDOC1, vb5=2, vb6=	/b6=
4/14/2009 10:54:52 webdoc1.Toon 1.3.6.1.4.1.7011.1.2 vb1=64456, vb2=1239686692, vb3=2009-04-14 10:54:52, vb4=WEBDOC1, vb5=2, vb6=	
4/14/2009 10:54:53 webdoc1.Toon 1.3.6.1.4.1.7011.1.2 vb1=64457, vb2=1239686693, vb3=2009-04-14 10:54:53, vb4=WEBDOC1, vb5=2, vb6=	/b6=
	/b6= /b6=
4/14/2009 10:55:00 webdoc1.Toon 1.3.6.1.4.1.7011.1.2	vb6= vb6=

Tile Trap Windows Horizontally

This option enables you to tile trap windows horizontally.

Tile trap windows horizontally

From the **Window** menu, choose **Tile Horizontal**.

TrapTracker displays the trap windows tiled horizontally.

Figure 10 Trap Windows tiled horizontally.

TrapTracker Manag	ger Console - De	mo								PX
File Edit View Options	Reports Tools	Window Help								
	🖌 Alerts 🔭 Fi	Iters Report 9								
E .C. Hap categories		torstoport 8								
🐴 New Window (Cus	tom View)									
Date / Time	Source	Trap Name		Variables						<u>^</u>
4/14/2009 10:55:39	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	2	vb1=64468, vb2=123	39686738, vb3=2009	9-04-14 10:55:38,	vb4=WEBDOC1, vb5=2	2, vb6=4, vb7=Se	curity, vb8=4, vb9=5	7
4/14/2009 10:55:40	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	2	vb1=64469, vb2=123	39686739, vb3=2009	9-04-14 10:55:39,	vb4=WEBDOC1, vb5=2	2, vb6=4, vb7=Se	curity, vb8=5, vb9=5	9
4/14/2009 10:55:42	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	2	vb1=64470, vb2=123	39686741, vb3=2009	9-04-14 10:55:41,	vb4=WEBDOC1, vb5=2	, vb6=5, vb7=Se	curity, vb8=5, vb9=8	6
4/14/2009 10:55:43	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	2	vb1=64471, vb2=123	39686742, vb3=2009	3-04-14 10:55:42,	vb4=WEBDOC1, vb5=2	, vb6=5, vb7=Se	curity, vb8=5, vb9=8	6
4/14/2009 10:55:44	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	2	vb1=64476, vb2=123	39686743, vb3=2009	3-04-14 10:55:43,	vb4=WEBDOC1, vb5=2	2, vb6=5, vb7=Se	curity, vb8=5, vb9=8	6
4/14/2009 10:55:45	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	2	vb1=64477, vb2=123	39686744, vb3=2009	9-04-14 10:55:44,	vb4=WEBDOC1, vb5=2	2, vb6=5, vb7=Se	curity, vb8=5, vb9=8	6
4/14/2009 10:55:46	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	2	vb1=64478, vb2=123	89686745, vb3=2009	9-04-14 10:55:45,	vb4=WEBDOC1, vb5=2	2, vb6=5, vb7=Se	curity, vb8=5, vb9=8	6
4/14/2009 10:55:47	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	2	vb1=64479, vb2=123	39686746, vb3=2009	3-04-14 10:55:46,	vb4=WEBDOC1, vb5=2	2, vb6=5, vb7=Se	curity, vb8=5, vb9=8	ŝ 🗸
Maximum Trans Shours: 10	00 Selected Tran	1000 Total Transler	Windows 1000	ĩ						
Maximum maps shown: To	oo joelected hap.	Toto Total Haps III	Window, 1000	, 						
🛧 All Traps										
Date / Time	Source	Trap Name		Variables						^
4/14/2009 10:55:44	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	2	vb1=64472, vb2=123	39686743, vb3=2009	9-04-14 10:55:43,	vb4=WEBDOC1, vb5=1	, vb6=3, vb7=Ev	entTracker, vb8=2, v	/b
4/14/2009 10:55:44	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	2	vb1=64473, vb2=123	39686743, vb3=2009	9-04-14 10:55:43,	vb4=WEBDOC1, vb5=1	, vb6=3, vb7=Ev	entTracker, vb8=2, v	/b
4/14/2009 10:55:44	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	2	vb1=64474, vb2=123	39686743, vb3=2009	04-14 10:55:43,	vb4=WEBDOC1, vb5=1	, vb6=3, vb7=Ev	entTracker, vb8=2, v	/b
4/14/2009 10:55:44	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	2	vb1=64475, vb2=123	39686743, vb3=2009	04-14 10:55:43,	vb4=WEBDOC1, vb5=1	, vb6=3, vb7=Ev	entTracker, vb8=2, v	/b
4/14/2009 10:55:44	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	2	vb1=64476, vb2=123	39686743, vb3=2009	-04-14 10:55:43,	vb4=WEBDOC1, vb5=2	, vb6=5, vb7=Se	curity, vb8=5, vb9=8	6
4/14/2009 10:55:45	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	2	vb1=64477, vb2=123	39686744, vb3=2009	9-04-14 10:55:44,	vb4=WEBDOC1, vb5=2	, vb6=5, vb7=Se	curity, vb8=5, vb9=8	6
4/14/2009 10:55:46	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	2	vb1=64478, vb2=123	89686745, vb3=2009	9-04-14 10:55:45,	vb4=WEBDOC1, vb5=2	, vb6=5, vb7=Se	curity, vb8=5, vb9=8	6
4/14/2009 10:55:47	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	2	vb1=64479, vb2=123	39686746, vb3=2009	9-04-14 10:55:46,	vb4=WEBDOC1, vb5=2	, vb6=5, vb7=Se	curity, vb8=5, vb9=8	6 🧮
										×
Maximum Traps Shown: 10	00 Selected Trap:	1000 Total Traps In	Window: 1000)						1
👍 Systems										
System Name			IP Address	Critical	Warning	Major	Information	Minor	Clear	
webdoc1.Toons.local			192.168.1.8	8 0	0	0	0	0	1471	
A					T 1 T 2 T		2 X 11 P			_
Systems With: 🥌 Critical	Traps: U 🕘 Warni	ng Traps: U 🕒 Major	Traps: 0	Total Systems: 1	Total Traps: 1471	Trap Rate: 37 Tr	ap(s) / Minute			
										-

Tile Trap Windows Vertically

This option enables you to tile trap windows vertically.

Tile trap windows vertically

From the **Window** menu, choose **Tile Vertical**.

TrapTracker displays traps windows tiled vertically.

Figure 11 Trap	
Windows tiled	
vertically.	

🔹 TrapTracker Manager C	Console - Der	no					- 7 ×
File Edit View Options Rep	oorts Tools V	Window Help					
😭 🔁 Trap Categories 🖌	Alerts Kill Filt	ers 📺 Report 🢡					
🛧 New Window (Custom	View)		🐴 All Traps			🛧 Systems	
Date / Time Sou	urce	Trap Name 🔼	Date / Time	Source	Trap Name 🔼	System Name	
4/14/2009 10:55:46 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:55:49	webdoc1.Toon	1.3.6.1.4.1.701	webdoc1.Toons.local	
🗣 🗢 4/14/2009 10:55:47 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:55:50	webdoc1.Toon	1.3.6.1.4.1.701		
🚺 👄 4/14/2009 10:55:48 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:55:51	webdoc1.Toon	1.3.6.1.4.1.701		
🗣 🗢 4/14/2009 10:55:49 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:55:52	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:55:50 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:55:53	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:55:51 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:55:54	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:55:52 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:55:55	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:55:53 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:55:56	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:55:54 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:55:57	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:55:55 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:55:57	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:55:56 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:55:59	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:55:57 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:55:59	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:55:57 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:56:00	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:55:59 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:56:00	webdoc1.Toon	1.3.6.1.4.1.701		
🖉 🗢 4/14/2009 10:55:59 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:56:01	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:56:00 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:56:01	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:56:00 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:56:01	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:56:01 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:56:02	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:56:01 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:56:03	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:56:01 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:56:03	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:56:02 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:56:05	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:56:03 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:56:06	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:56:03 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:56:07	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:56:05 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:56:08	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:56:06 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:56:09	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:56:07 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:56:10	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:56:08 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:56:12	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:56:09 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:56:12	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:56:10 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:56:13	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:56:12 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:56:14	webdoc1.Toon	1.3.6.1.4.1.701		
● 4/14/2009 10:56:12 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:56:18	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:56:13 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:56:18	webdoc1.Toon	1.3.6.1.4.1.701		
4/14/2009 10:56:14 web	bdoc1.Toon	1.3.6.1.4.1.701	4/14/2009 10:56:18	webdoc1.Toon	1.3.6.1.4.1.701		
<		>	<		>	<	>
Maximum Traps Shown: 1000 9	Selected Tran:	1000 Total Traps	Maximum Traps Shown: 10	00 Selected Tran:	1000 Total Traps	Systems With: 🥥 Critical Tran	s; 0 🧿 Warning Traps; 0 🤷 M 🏑
	ap.	1/1			1.		

Closing a Single Trap Window

This option enables you to close a single trap window.

- To close a single trap window
- 1 Click the window that you want to close.
- 2 From the **Window** menu, choose **Close**.

TrapTracker closes the selected window gracefully.

Note

TrapTracker minimizes, when you try to close the Systems window.

Closing All Trap Windows

This option enables you to close all trap windows

To close all windows

From the Window menu, choose Close All.

TrapTracker closes all windows except the Systems window.

Viewing Window Properties

This option enables you to view properties of a selected window

To view properties of a selected window

- 1 Click the window that you want to view properties.
- 2 From the View menu, choose Window Properties.

(OR)

Right-click a trap detail record on the All Traps window or the new trap window created by you.

TrapTracker displays the shortcut menu.

From the shortcut menu, choose Window Properties.

TrapTracker displays the "Window Parameters" window.

Figure 12 Trap window parameters dialog box.

4 Window Parameters		×
Window Name:	All Traps	
Window Parameters (Read Only	ı):	
C View By Trap Category		
Select An Trap Category:	-All-	
View By Custom Selection		
Source (Name / IP):	-All-	
Severity:	-All-	
Generic:		
Enterprise:	J-All-	
Traps:	-All-	
Match In VarBinds:		
<u> </u>	Cancel	

Only the Window Name field is editable, while the remaining fields are disabled.



View All Trap Details in the Notepad

This option enables you to view all trap details in the Notepad.

To view all trap details (Print Preview)

1 Click the **All Traps** window or any other trap window you have created.

2 From the File menu, choose Print Preview.

(OR)

Press the shortcut keys CTRL+P on you keyboard.

TrapTracker displays the trap details in the Notepad.

Figure 13 Print Preview.

📕 WindowPrint - Notepad		
File Edit Format View Help		
TrapTracker – All Traps Generated on: 4/14/2009	11:02:49 AM	^
Date & Time: Source: IP Address: Severity: Generic: Enterprise: Trap Name: Variable Binds: Vb5=2, vb6=5, vb7=Secur application listening f	4/14/2009 10:38:45 AM webdoc1.Toons.local 192.168.1.88 Clear enterpriseSpecific 1.3.6.1.4.1.7011.1 1.3.6.1.4.1.7011.1 vb1=63750, vb2=1239685724, vb3=2009-04-14 10:38:44, vb4=WEBDC ity, vb8=5, vb9=861, vb10=The Windows Firewall has detected ar or incoming traffic.	c1,
Name: - Path: C:\Program Files\ More Information: User Notes:	Prism Microsystems\Ev	
Date & Time: Source: IP Address: Severity: Generic: Enterprise: Trap Name: Variable Binds: vb5=2, vb6=5, vb7=Secur application listening f	4/14/2009 10:38:46 AM webdc1.Toons.local 192.168.1.88 Clear enterpriseSpecific 1.3.6.1.4.1.7011.1 1.3.6.1.4.1.7011.1 vb1=63751, vb2=1239685725, vb3=2009-04-14 10:38:45, vb4=WEBDC ity, vb8=5, vb9=861, vb10=The Windows Firewall has detected ar or incoming traffic.	c1,
Name: - Path: C:\Program Files\	Prism Microsystems\Ev	~

You can print the trap details by selecting appropriate commands in the Notepad.

Note

You cannot view the print preview when you choose the **Systems** window. TrapTracker disables **Print Preview** command on the **File** menu.

View All Trap Details in a Window

This option enables you to view trap details in a window.

To view trap details

- 1 Click the **All Traps** window or any other trap window that you have created.
- 2 Right-click any row that you want to view details.

Ð

TrapTracker displays the shortcut menu.

From the shortcut menu, choose Trap Details.

3 You can also view the trap details by choosing **Trap Details** from the **View** menu.

(OR)

Click an the toolbar.

(OR)

Double-click the row that you want to view details.

TrapTracker displays the "Trap Detail" window.

Trap Detail	
Date & Time:	4/14/2009 11:03:48 AM
Source:	webdoc1.Toons.local
IP Address:	192.168.1.88
Severity:	Clear
Generic:	enterpriseSpecific
Enterprise:	1.3.6.1.4.1.7011.1
Trap Name:	1.3.6.1.4.1.7011.1.2 (2)
VarBinds:	
vb1=64786, vb2=	1239687227, vb3=2009-04-14 11:03:47, vb4=WEBDOC1,
vb1=64786, vb2= vb5=2, vb6=4, vb primary token. More Information:	1239687227, vb3=2009-04-14 11:03:47, vb4=WEBDOC1, 7=Security, vb8=5, vb9=600, vb10=A process was assigned a
vb1=64786, vb2= vb5=2, vb6=4, vb primary token. More Information:	-1239687227, vb3=2009-04-14 11:03:47, vb4=WEBDOC1, 7=Security, vb8=5, vb9=600, vb10=A process was assigned a
vb1=64786, vb2= vb5=2, vb6=4, vb primary token. More Information: User Notes:	1239687227, vb3=2009-04-14 11:03:47, vb4=WEBDOC1, 7=Security, vb8=5, vb9=600, vb10=A process was assigned a
vb1=64786, vb2= vb5=2, vb6=4, vb primary token. More Information: User Notes:	1239687227, vb3=2009-04-14 11:03:47, vb4=WEBDOC1, 7=Security, vb8=5, vb9=600, vb10=A process was assigned a
vb1=64786, vb2= vb5=2, vb6=4, vb primary token. More Information: User Notes:	1239687227, vb3=2009-04-14 11:03:47, vb4=WEBDOC1, 7=Security, vb8=5, vb9=600, vb10=A process was assigned a

Table 7

Field	Description
Date & Time	Date and time when the TTW Manager received the trap.
Source	Name and domain of the SNMP complaint device.
IP Address	IP address of the SNMP complaint device.

OBCHAPTER 1 Getting started

Figure 14 Trap Detail dialog box

Field	Description
Severity	Severity level of the trap.
Generic	Category type that the trap belongs to.
Enterprise	Object Id
Trap Name	Name of the trap.
VarBinds	Variables associated with the trap.
More Information	Nature of the trap. Details like when it was triggered and to which server it was sent are displayed.
User Notes	These notes are useful to keep track of what action was taken for a trap, before it is acknowledged (cleared from view and committed to the database). The notes entered are also visible in the reports / history.

- 4 Click < <u>Previous</u> to view trap details of the previous trap from the current position on the trap window.
- 5 Click <u>Next</u> > to view trap details of the next trap from the current position on the trap window.

View Trap Details of a Selected System

This option enables you to view trap details of the selected system.

To view trap details of the selected system

1 Right-click a row on the **Systems** window that represents the system details.

TrapTracker displays the shortcut menu.

From the shortcut menu, choose View Traps For 'webdoc1.Toons.local'.



TrapTracker displays the traps sent by the selected system in a pop-up window (**Traps On 'webdoc1.toons.local**').

Figure 15 Trap detail window for the selected system

Date / Time	Source	Trap Name	Variables
4/14/2009 11:06:34	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=64897, vb2=1239687394, vb3=2009-04-14 11:06:34, vb4=WEBDOC1, vb5=2, vb6=
4/14/2009 11:06:35	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=64898, vb2=1239687395, vb3=2009-04-14 11:06:35, vb4=WEBD0C1, vb5=2, vb6=
4/14/2009 11:06:36	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=64899, vb2=1239687396, vb3=2009-04-14 11:06:36, vb4=WEBD0C1, vb5=2, vb6=
4/14/2009 11:06:37	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=64900, vb2=1239687397, vb3=2009-04-14 11:06:37, vb4=WEBD0C1, vb5=2, vb6=
4/14/2009 11:06:38	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=64901, vb2=1239687398, vb3=2009-04-14 11:06:38, vb4=WEBD0C1, vb5=2, vb6=
4/14/2009 11:06:39	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=64902, vb2=1239687399, vb3=2009-04-14 11:06:39, vb4=WEBD0C1, vb5=2, vb6=
4/14/2009 11:06:40	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=64903, vb2=1239687400, vb3=2009-04-14 11:06:40, vb4=WEBD0C1, vb5=2, vb6=
4/14/2009 11:06:40	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=64904, vb2=1239687400, vb3=2009-04-14 11:06:40, vb4=WEBDOC1, vb5=2, vb6=
4/14/2009 11:06:41	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=64905, vb2=1239687401, vb3=2009-04-14 11:06:41, vb4=WEBDOC1, vb5=2, vb6=
4/14/2009 11:06:41	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=64906, vb2=1239687401, vb3=2009-04-14 11:06:41, vb4=WEBDOC1, vb5=2, vb6=
4/14/2009 11:06:42	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=64907, vb2=1239687402, vb3=2009-04-14 11:06:42, vb4=WEBDOC1, vb5=2, vb6=
4/14/2009 11:06:42	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=64908, vb2=1239687402, vb3=2009-04-14 11:06:42, vb4=WEBDOC1, vb5=2, vb6=
4/14/2009 11:06:43	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=64909, vb2=1239687403, vb3=2009-04-14 11:06:43, vb4=WEBDOC1, vb5=2, vb6=
4/14/2009 11:06:44	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=64910, vb2=1239687404, vb3=2009-04-14 11:06:44, vb4=WEBDOC1, vb5=2, vb6=
4/14/2009 11:06:45	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=64911, vb2=1239687405, vb3=2009-04-14 11:06:45, vb4=WEBDOC1, vb5=2, vb6=
4/14/2009 11:06:46	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=64912, vb2=1239687406, vb3=2009-04-14 11:06:46, vb4=WEBDOC1, vb5=2, vb6=
4/14/2009 11:06:47	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=64913, vb2=1239687407, vb3=2009-04-14 11:06:47, vb4=WEBDOC1, vb5=2, vb6=
4/14/2009 11:06:48	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=64914, vb2=1239687408, vb3=2009-04-14 11:06:48, vb4=WEBDOC1, vb5=2, vb6=
4/14/2009 11:06:49	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=64915, vb2=1239687409, vb3=2009-04-14 11:06:49, vb4=WEBDOC1, vb5=2, vb6=
4/14/2009 11:06:50	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=64916, vb2=1239687410, vb3=2009-04-14 11:06:50, vb4=WEBDOC1, vb5=2, vb6=
4/14/2009 11:06:51	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=64917, vb2=1239687411, vb3=2009-04-14 11:06:51, vb4=WEBDOC1, vb5=2, vb6=
4/14/2009 11:06:52	webdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=64918, vb2=1239687412, vb3=2009-04-14 11:06:52, vb4=WEBDOC1, vb5=2, vb6=

2 Double-click the trap that you want to view details.

TrapTracker displays the trap details of that particular trap.

🔩 Trap Detail 🛛			
Date & Time:	4/14/2009 11:06:4	4 AM	
Source:	webdoc1.Toons.loc	al	
IP Address:	192.168.1.88	-	
Severity:	Clear		
Generic:	enterpriseSpecific		
Enterprise:	1.3.6.1.4.1.7011.1		
Trap Name:	1.3.6.1.4.1.7011.1.3	2 (2)	
VarBinds:			
vb1=64910, vb2=1 vb5=2, vb6=5, vb7 detected an applica	239687404, vb3=2009- =Security, vb8=5, vb9= ation listening for incomi	04-14 11:06:44, vb4=V 861, vb10=The Windov ng traffic.	/EBDOC1, ws Firewall has
More Information:			
User Notes:			
1			
< <u>P</u> revious	<u>N</u> ext >	<u>0</u> K	<u>C</u> ancel

Figure 16 Trap Detail dialog box TrapTracker displays the message box, when you close **Traps On 'webdoc1.toons.local'** pop-up window.

T	rapTra	cker 🛛 🔀
	?	Do you want to acknowledge all traps for 'webdoc1.Toons.local'?
		Yes No

- 3 Click Yes to acknowledge traps and close the window.
- 4 Click **No** to close the window without acknowledging the traps.

Clearing/Acknowledging Trap Details

While monitoring traps from the centralized console, traps that have already been viewed and acted upon can be acknowledged. On acknowledging, traps are just removed from the view and are not deleted or purged from the database. This feature ensures that only new traps received by the TTW Manager are displayed on the console.

Clear/Acknowledge a single trap

This option enables you to clear/acknowledge a single trap.

To clear/acknowledge a single trap

 Right-click the trap that you want to acknowledge on the All Traps window or on the custom trap window.

TrapTracker displays the shortcut menu.

From the shortcut menu, choose Clear / Acknowledge Trap(s).

(OR)

From the Edit menu, choose Clear/Acknowledge Trap(s).

TrapTracker clears the selected trap from view.

Clear/Acknowledge Multiple Traps

This option enables you to clear/acknowledge a group of traps.

Figure 17 TrapTracker message box.

To clear/acknowledge a group of traps

- 1 Select a trap on the All Traps window or on the custom trap window you have created.
- 2 Hold the SHIFT key and point the mouse pointer to the trap until it reaches the group you want to clear/acknowledge.
- 3 Right-click any selected row.

TrapTracker displays the shortcut menu.

From the shortcut menu, choose Clear / Acknowledge Trap(s).

(OR)

From the Edit menu, choose Clear/Acknowledge Trap(s).

TrapTracker clears the selected trap from view.

Clear/Acknowledge All Traps of a Selected System

This option enables you to clear/acknowledge traps of a selected system.

To clear/acknowledge all traps of a selected system

Right-click the system that you want to clear from the **Systems** window.

TrapTracker displays the shortcut menu.

From the shortcut menu, choose Clear / Acknowledge Trap(s) For 'gijoe.Toons.local'.

TrapTracker clears all traps of the selected system.

Auto Scroll

Auto Scroll is an option that intimates you the arrival of a new trap. Suppose you are browsing through the All Traps window and have selected the first trap record to view its details, you will never come to know that a new trap has arrived unless you scroll down to the last record. But, by selecting Auto Scroll option, TrapTracker turns its focus on the new trap, scrolls down and highlights it.

Viewing New Trap

This option enables you to view new trap.

To view new trap

From the View menu, choose New Traps (Auto Scroll).



Adding a New System

When you install a new SNMP compliant device in your enterprise, you will be prompted to enter the name or IP address of the Manager that receives traps sent by SNMP compliant device you have installed. Enter appropriate details. No further configuration is needed. TTW Manager listens at port 162 for incoming traps.

 Trap Tracker Manager 	Console - Der	no							l	- PX
File Edit View Options Re	eports Tools \	Window Help								
😭 🖪 Trap Categories 🤌	🗸 Alerts 🎽 👬 Filt	ers 🚊 Report 🧣								
🐴 All Traps										
Date / Time S	ource	Trap Name	Varia	bles						<u>^</u>
4/14/2009 11:15:28 ne	emo.toons.local	1.3.6.1.4.1.7011.1.2	vb1=	146, vb2=1239	687927, vb3=2009-04	4-14 11:15:27, vb4	I=NEMO, vb5=1, vb6=	3, vb7=EventTrac	ker, vb8=2, vb9=	322
4/14/2009 11:15:29 ne	emo.toons.local	1.3.6.1.4.1.7011.1.2	vb1=	147, vb2=1239	687927, vb3=2009-04	4-14 11:15:27, vb4	I=NEMO, vb5=1, vb6=	3, vb7=EventTrac	ker, vb8=2, vb9=	322
🔍 🗢 4/14/2009 11:15:29 n	emo.toons.local	1.3.6.1.4.1.7011.1.2	vb1=	148, vb2=1239	687927, vb3=2009-04	4-14 11:15:27, vb4	I=NEMO, vb5=1, vb6=	3, vb7=EventTrac	ker, vb8=2, vb9=	322
\varTheta 4/14/2009 11:15:29 ne	emo.toons.local	1.3.6.1.4.1.7011.1.2	vb1=	149, vb2=1239	687927, vb3=2009-04	4-14 11:15:27, vb4	I=NEMO, vb5=1, vb6=	3, vb7=EventTrac	ker, vb8=2, vb9=	322
🔍 🗢 4/14/2009 11:15:29 ni	emo.toons.local	1.3.6.1.4.1.7011.1.2	vb1=	150, vb2=1239	687927, vb3=2009-04	4-14 11:15:27, vb4	I=NEMO, vb5=1, vb6=	3, vb7=EventTrac	ker, vb8=2, vb9=	322
\varTheta 4/14/2009 11:15:29 ne	emo.toons.local	1.3.6.1.4.1.7011.1.2	vb1=	151, vb2=1239	687927, vb3=2009-04	4-14 11:15:27, vb4	I=NEMO, vb5=2, vb6=	5, vb7=Security, v	b8=5, vb9=861, v	ь10
\varTheta 4/14/2009 11:15:29 n	emo.toons.local	1.3.6.1.4.1.7011.1.2	vb1=	152, vb2=1239	687928, vb3=2009-04	4-14 11:15:28, vb4	I=NEMO, vb5=2, vb6=	5, vb7=Security, v	b8=5, ∨b9=861, v	ь10
\varTheta 4/14/2009 11:15:30 🛛 w	rebdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=	65282, vb2=12	39687929, vb3=2009	-04-14 11:15:29, v	/b4=WEBDOC1, vb5=2	2, vb6=4, vb7=Se	curity, vb8=5, vb9	=59
\varTheta 4/14/2009 11:15:30 n	emo.toons.local	1.3.6.1.4.1.7011.1.2	vb1=	153, vb2=1239	687929, vb3=2009-04	4-14 11:15:29, vb4	I=NEMO, vb5=2, vb6=	5, vb7=Security, v	b8=5, vb9=861, v	ь10
\varTheta 4/14/2009 11:15:30 🛛 w	rebdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=	65283, vb2=12	39687929, vb3=2009	-04-14 11:15:29, \	/b4=WEBDOC1, vb5=2	2, vb6=4, vb7=Se	curity, vb8=4, vb9	=57
4/14/2009 11:15:30 w	rebdoc1.Toon	1.3.6.1.4.1.7011.1.2	vb1=	65284, vb2=12	39687930, vb3=2009	-04-14 11:15:30, \	/b4=WEBDOC1, vb5=2	2, vb6=4, vb7=Se	curity, vb8=5, vb9	=59
4/14/2009 11:15:31 ne	emo.toons.local	1.3.6.1.4.1.7011.1.2	vb1=	154, vb2=1239	687930, vb3=2009-04	4-14 11:15:30, vb4	I=NEMO, vb5=2, vb6=	5, vb7=Security, v	b8=5, vb9=861, v	ь10
🗢 4/14/2009 11:15:32 ni	emo.toons.local	1.3.6.1.4.1.7011.1.2	vb1=	155, vb2=1239	687931, vb3=2009-04	4-14 11:15:31, vb4	I=NEMO, vb5=2, vb6=	5, vb7=Security, v	b8=5, vb9=861, v	ь10
4/14/2009 11:15:33 ne	emo.toons.local	1.3.6.1.4.1.7011.1.2	√b1=	156, vb2=1239	687932, vb3=2009-04	4-14 11:15:32, vb4	I=NEMO, vb5=2, vb6=	5, vb7=Security, v	b8=5, vb9=861, v	ь10
4/14/2009 11:15:34 Interpretation	amo toona loo al									1.4.0
	enno. (ouris, iocar	1.3.6.1.4.1.7011.1.2	VDI=	157, vb2=1239	687933, vb3=2009·04	1-14 11:15:33, vb4	I=NEMU, vb5=2, vb6=	5, vb/=Security, v	D8=5, VD9=861, V	ъто 💌
Maximum Traps Shown: 1000	Selected Trap: 1	1.3.6.1.4.1.7011.1.2 1000 Total Traps In V	Vindow: 1000	157, vb2=1239	687933, vb3=2009-04	I-14 11:15:33, vb4	=NEMU, vb5=2, vb6=	5, vb7=Security, v	08=5, VD3=861, V	ын 💌
Maximum Traps Shown: 1000	Selected Trap: 1	1.3.5.1.4.1.7011.1.2 1000 Total Traps In V	Vindow: 1000	157, vb2=1239	687933, vb3=2009-04	4-14 11:15:33, vb4	=NEMU, vb5=2, vb6=	b, vb/=Security, v	D8=5, VD9=861, V	
Maximum Traps Shown: 1000	Selected Trap:	1.3.6.1.4.1.7011.1.2 1000 Total Traps In \	Vindow: 1000	157, vb2=1239	687933, vb3=2009-04	Major	Information	b, vb7=Security, v	D8=5, VD9=861, V	
Maximum Traps Shown: 1000 Systems System Name webdoc1.Toons.local	Selected Trap:	1.3.6.1.4.1.7011.1.2 1000 Total Traps In \	Vindow: 1000	157, v62=1239	687933, vb3=2009-04	-14 11:15:33, vb4 Major 0	Information	b, vb/=Security, v	D8=5, VD9=861, V Clear 1056	
Maximum Traps Shown: 1000 Systems System Name Webdoc1. Toons.local neno.toons.local	Selected Trap:	1.36.14.1701112	Vindow: 1000 IP Address 192.168.1.88 192.168.1.62	Critical 0	687933, vb3=2009-04	Major 0	Information 0	5, vb/=Security, v Minor 0	D8=5, VD9=861, V Clear 1056 107	
Maximum Traps Shown: 1000 System Name Webdoc1.Toons.local nemo.toons.local	Selected Trap: 1	1.35.14.1701112	Vindow: 1000 IP Address 192,168.1.88 192,168.1.62	Critical 0	687933, vb3=2009-04	Major 0	Information	5, vb/=Security, v Minor 0	Clear 1056 107	
Maximum Traps Shown: 1000 Systems System Name webdoc1. Toons.local nemo.toons.local	Selected Trap: 1	1000 Total Traps In \	Vindow: 1000	Critical 0	687933, vb3=2009-04	Major 0	Information 0 0	5, vb/=Security, v Minor 0	Clear 1056 107	
Maximum Traps Shown: 1000 System Name webdot.1 cons.local nemo.toons.local	Selected Trap:	1.36,1-4,17011,12	Vindow: 1000	Critical 0	587933, vb3=2009-04 Warning 0 0	Major 0	Information 0 0	Minor 0	Clear 1056 107	
Maximum Traps Shown: 1000 System System Nane Webdoc1. Toons.local New System	Selected Trap:	1.36.14.1701112	Vindow: 1000	Critical 0	687933, vb3=2009-04 Warning 0 0	Major 0	Information 0 0	5, vb7=Security, v Minor 0 0	D8=5, VD3=851, V Clear 1056 107	
Maximum Traps Shown: 1000 System Name webdoc1.7 oons local nemo.toons local New System	Selected Trap:	1.535.1-4.1.7011.1.2	Vindow: 1000	Critical 0	687933, vb3=2009-04 Warning 0 0	Major 0	Information 0 0), vb7=Security, v	DB=5, VD3=851, V Clear 1056 107	
Maximum Traps Shown: 1000 Systems System Name Webdoc1. Toons local nemo toons local New System	Selected Trap: *	1 1.3 b 1.4 1.7011.1.2	Vindow: 1000	Critical 0 0	597933 vb3=2009-0 Warning 0 0	14 11:15:33, vba	Information 0	5, vb7=Security, v Minor 0 0	DB=5, VD3=861, V Clear 1056 107	
Maximum Traps Shown: 1000 Systems System Name Meddoc1.Toons.local New System	Selected Trap:	1.35 1.41,701112	Vindow: 1000	Critical 0 0	99933, vb3=2009-0	Major 0 0	Information 0	5, vb7=Security, v	D8=5, VD9=861, V Clear 1056 107	
Maximum Traps Shown: 1000 Systems System Nane Webdoc1.7 oons.local Rev System New System	Selected Trap: 1	1 - 3 & 1 4 1 - 701 1 2	Vindow: 1000	Critical 0 0	897933 vb3=2109-04	Major 0 0	Information 0	5, vb7=Security, v	DB=5, VD3=B61, V Clear 1056 107	
Maximum Traps Shown: 1000 Systems System Nane Webdocl. Toons local Image: A strain of the strain of	Selected Trap: 1	1 38 1 41 701 1 2	Vindow: 1000	Critical 0 0	897933, vb3=2009-04	Major 0	Information 0	Minor 0 0	Clear 1056 107	
Maximum Traps Shown: 1000 System Name webdoc1. Toons local nemo.toons.local New System	Selected Trap: 1	1 36 1 41 701 1 2	Vindow: 1000	Critical 0 0	897933, vb3=2009-04	Major 0 0	Information 0 0	6, vb7=Security, v	Clear 1056 107	
Maximum Traps Shown: 1000 Systems System Name Webdoc1.7 oons.local nemo.toons.local New System	Selected Trap: `	1 35 1 41 701 1 2	Vindow: 1000	Critical 0 0	897933, vb3=2009-04	Major 0 0	Information 0	Minor 0 0	Clear 1056 107	
Maximum Traps Shown: 1000 Systems System Nane Webdocl Toons local Rew System	Selected Trap:	1 36 1 41 701 1 2	Vindow: 1000	Critical 0 0	897933. vb3=2009-04	Major 0 0	Information 0	Minor 0	Clear 1056 107	
Maximum Traps Shown: 1000 Systems System Nane Methods: 1 Gons local New System	Selected Trap:	1 SEL 4 70(1) 2	Voindow: 1000	Critical 0 0	Warning 0 0	Major 0 0	Information 0 0	Minor 0 0	Cearb, VtS4061, V Cear 1056 107	

Figure 18 Systems window after adding a new system

Upgrading License

Figure 19 Upgrade License dialog box This option enables you to upgrade your license from trial version to registered version.

To upgrade license

- Open the TrapTracker Manager console. 1
- From the Help menu, choose Upgrade License. 2

TrapTracker displays the "Upgrade License" dialog box.

🛃 Upgrade License 🛛 🔀		
Name:	Demo	
Email:	Demo	
Key:	N1251D9-U10-4269-RLFEF-JJFG-16	
License Information: Your current license is a 14 day trial. Your current license supports 9 systems.		
<u>OK</u> ancel		
No	te	

You can get the upgrade license information from

sales@prismMicroSys.com.

Table 8

Field	Description
Name	Type your name.
Email	Type your e-mail address.
Кеу	Type the license key. Since the license key is case- sensitive, care should be taken while entering the key.

Click OK. 3

> On successful acceptance of the license details, TrapTracker displays the TrapTracker confirmation message box.

B

Figure 20 Upgrade License dialog box



5 Restart the TrapTracker Receiver service manually as advised on the "TrapTracker" message box.

Exiting TrapTracker

This option enables you to exit TrapTracker gracefully.

To exit TrapTracker

1 From the File menu, choose Exit.

(OR)

Click at the upper-right corner of the TrapTracker Manager console.

TrapTracker displays the confirmation message box.



- 2 Click Yes to acknowledge all traps and exit.
- 3 Click **No** to exit without acknowledging the traps.

Figure 21 Exit confirmation dialog box
Chapter 2 Managing Traps

In this chapter, you will learn how to:

- Auto-Acknowledge traps
- Filter Traps
- Configure Alerts

1BCHAPTER 2 MANAGING TRAPS

Auto-Acknowledge Traps

This option enables you to acknowledge traps older than a specific period of time, set window view limit, and purge traps from the database.

To auto-acknowledge traps

From the **Options** menu, choose **Configuration**.

TrapTracker displays the "Configuration" window.

Acknowledge traps older that	n 12 💌 hours.
View maximum	1000 📩 traps / window
Purge all traps older than	7 days.
Forward all traps to Ever	nTracker Manager
Destination: 127.	0.0.1

Table 9

Field	Description
Acknowledge traps older than	Select an option from the drop-down list. Traps are cleared /acknowledged that are older that specified period of time.
View maximum	Set the number of traps that you want to view in a window.
Purge all traps older than	Select the number of days. TrapTracker deletes traps permanently from the database after the specified number of days.

Figure 22 Configuration dialog box

Field	Description
Forward all traps to EventTracker Manager	Select this check box. Type the name or IP address of the EventTracker Manager in the Destination field. Type port number through which the EventTracker Receiver receives traps in the Port field.

Filtering Traps from View

You can filter traps of minor significance from the view. They are not purged from the database but are logged into the database and available for reports and history views.

Adding Trap Filter

This option enables you to add a trap filter.

To add a trap filter

1 From the **Options** menu, choose **Filters**.

(OR)

Click Filters on the toolbar.

TrapTracker displays the "Filter Traps" console.

Figure 23 Filter Traps dialog box.

👍 Filter Traps

Traps that are of minor significance can be filtered out from the view. The traps that meet the configured Filter criteria will not be shown.

Note: Filtered traps are only not shown in the view. They are logged and can be seen in the Report / History as required.

Source	Generic	Enterprise Name	Trap Name	Variables
Add Filter	<u>E</u> dit Filter	<u>R</u> emove Filter		<u>C</u> lose

2 Click <u>Add Filter</u>.

TrapTracker displays the "Trap Filter" window.

🐴 Trap Filter	
Trap Details: Source (Name / IP):	
Generic:	-All-
Enterprise:	-All-
Traps:	-All-
Match In VarBinds:	
ОК	Cancel

Table 10

Field	Description
Source (Name/IP)	Type the name or IP address of the source of traps that you want to filter out.

Figure 24 Trap Filter dialog box

Field	Description
Generic	This drop-down list is populated with pre-defined generic traps, which are common to all SNMP- compliant devices.
Enterprise	This option is enabled only when you choose the enterpriseSpecific option in the Generic drop-down list. This list box is populated with the available compiled MIBs.
Traps	This is a list box, which is populated with the traps that are available in the enterprise MIB you have chosen.
Match in Varbinds	To further narrow down your selection criteria, you can enter a variable in this field. The new window you create will display the traps that match the variable you have entered.

3 Select/enter appropriately in the relevant fields.

🐴 Trap Filter		X
Trap Details: Source (Name / IP):	webdoc1.toons.local	
Generic:	enterpriseSpecific	-
Enterprise:	pmiSystem	-
Traps:	-All- pmiAppUsageTrap pmiEventTrap pmiSusTrap	
Match In VarBinds:	vb6=3	
OK	Cancel	

4 Click OK.

TrapTracker adds the newly created trap filter to the Filter Traps pool.

Figure 25 Trap Filter dialog box with data

Figure 26 Filter Traps dialog box with newly added filter trap.

👍 Filter Traps

Traps that are of minor significance can be filtered out from the view. The traps that meet the configured Filter criteria will not be shown.

Note: Filtered traps are only not shown in the view. They are logged and can be seen in the Report / History as required.

Source	Generic	Enterprise Name	Trap Name	Variables
webdoc1.too	enterpriseSpecific	pmiSystem	pmiEventTrap	vb6=3
Add Filter	<u>E</u> dit Filter	<u>R</u> emove Filter		<u>C</u> lose

5 Click <u>Close</u>.

Modifying Trap Filter

This option enables you to modify the trap filter.

To modify the trap filter

1 From the **Options** menu, choose **Filters**.

(OR)

Click Filters on the toolbar.

TrapTracker displays the "Filter Traps" console.

Figure 27 Filter Traps dialog box.

👍 Filter Traps

Traps that are of minor significance can be filtered out from the view. The traps that meet the configured Filter criteria will not be shown.

Note: Filtered traps are only not shown in the view. They are logged and can be seen in the Report / History as required.

Source	Generic	Enterprise Name	Trap Name	Variables
webdoc1.too	enterpriseSpecific	pmiSystem	pmiEventTrap	vb6=3
	1 1			
Add Filter	<u>E</u> dit Filter	<u>R</u> emove Filter		<u>C</u> lose

- 2 Select the filter that you want to modify.
- 3 Click <u>Edit Filter</u>.

TrapTracker displays the "Trap Filter" window with the configuration details.

🐴 Trap Filter	
Trap Details: Source (Name / IP):	webdoc1.toons.local
Generic:	enterpriseSpecific 🗨
Enterprise:	pmiSystem 💌
Traps:	-All- pmiAppUsageTrap pmiEventTrap pmiSusTrap
Match In VarBinds:	vb6=3
ОК	Cancel

- 4 Select/enter appropriately and then click **OK**.
- 5 Click **<u>C</u>ancel** to retain the previous settings.
- 6 Click <u>Close</u> on the "Filter Traps" console.

Figure 28 Trap Filter dialog box

Deleting Trap Filter

This option enables you to delete the trap filter.

To delete trap filter

1 From the **Options** menu, choose **Filters**.

(OR)

Click Filters on the toolbar.

TrapTracker displays the "Filter Traps" console.

Note: Filtered tr History as requi	aps are only not showr ed.	n in the view. They ar	e logged and can be	seen in the Report
Source	Generic	Enterprise Name	Trap Name	Variables
webdoc1.too	enterpriseSpecific	pmiSystem	pmiEventTrap	vb6=3

- 2 Select the filter that you want to delete.
- 3 Click <u>Remove Filter</u>.

TrapTracker displays the confirmation message box.



Figure 30 Filter Traps remove confirmation message box.

Figure 29 Filter Traps dialog box.

- 4 Click **Yes** to remove or **No** to retain.
- 5 Click <u>Close</u>.

Alerts

TrapTracker Manager provides an option to notify the user when traps matching the criteria set are received by the TTW Receiver.

You can associate Alert actions to the Alert configuration. Alert notification mechanisms available are, a beep on the system hosting the TrapTracker Manager, an e-mail to a specified e-mail id, a console message to a specified system, and a custom action like running an EXE or .a BAT job.

A typical example would be the Routers, which are critical to every enterprise. Alerts can be configured to notify the user when the monitored routers' normal functionality goes down.

Adding Alerts

This option enables you to configure Alerts

To configure Alerts

1 From the **Options** menu, choose **Alerts**.

(OR)

Click **Alerts** on the toolbar.

TrapTracker displays the "Alerts" console.

Figure 31 Alerts dialog box

4 Alerts				X
Proactive notification of Notifications include a c	Traps meetin ombination ol	g a certain crite Beep, Email, N	ria can be configu 1essages or any o	ured. ther Custom Action.
Description	⊲)́⊮ Beep	🚊 Email	📃 Message	Custom
Add	<u>E</u> dit	<u>R</u> emove		<u>C</u> lose

2 Click <u>A</u>dd.

TrapTracker displays "Alert Configuration" window.

4 Alert Configur	ation	×
Alert Description: Trap Details: Source IP Address:	-All-	_
Generic: Enterprise: Traps:	enterpriseSpecific	-
Match In VarBinds: Actions:		

Figure 32 Alert Configuration dialog box Table 11

Field	Description
Alert Description	Type a brief description about the Alert.
Trap Details	
Source (Name/IP)	Name or IP address of the source of traps. You can explicitly define the Name/IP address of SNMP compliant devices and monitor traps sent only by those devices.
Generic	This drop-down list is populated with pre-defined generic traps, which are common to all the SNMP compliant devices.
Enterprise	This option is enabled only when you choose the enterpriseSpecific option in the Generic drop-down list. This list box is populated with the available compiled MIBs.
Traps	This is a list box, which is populated with the traps that are available in the enterprise MIB you have chosen.
Match in VarBinds	To further narrow down your selection criteria, you can enter a variable in this field. The new window you create will display the traps that match the variable you have entered.
Actions	
Веер	A beep is heard when the TrapTracker Manager receives the specific configured trap.
Email	An e-mail is sent to the configured recipient address when the Manager receives the specific configured trap.
Message	A network message is sent to the console of the configured system when the Manager receives the specific configured trap.

Field	Description
Custom	Certain situations may arise when the administrator needs to perform some customized action on receiving a trap. In this case, the recommended practice is to create a batch file or program and select that batch file or program in the Custom Action screen. On receiving a matching trap, the Manager will execute the batch file or program file selected, and will pass the following as parameters to the batch file or program. The order of parameters is also the same as below.
	IP Address
	Enterprise OID
	Community
	Generic Trap ID
	Specific Trap ID
	A recommended method to write a custom program is to print the received parameters and then build the program. This enables the user to understand the way the parameters are being passed to the program.
<u>E</u> dit	Edit the previously configured alert notification mechanism.

Configuring Audible Alert action

This option enables you to configure audible Alert action.

To configure audible Alert action

1 Select/enter appropriate trap details in the "Alert Configuration" window.

Figure 33 Alert Configuration dialog box – set up audible alert

4 Alert Configu	ration 🛛 🔀
Alert Description:	Audible Alert
Trap Details: Source IP Address:	webdoc1.toons.local
Generic:	enterpriseSpecific 💌
Enterprise:	pmiSystem 💌
Traps:	-All- pmiAppUsageTrap pmiEventTrap pmiSusTrap
Match In VarBinds:	evtLogType=2
Actions:	Mail 🔽 Message 🗖 Custom 📃 Edit
<u>0</u> K	Cancel

2 Select the **Beep** check box

TrapTracker displays the "Configure Action – Beep" window.

- Be	ep Configuration Description Beep Coun Duration: Delay: Frequency:	Contraction of the second seco	Cancel
			 1

Table 12

Figure 34 Configure Action dialog box

1BCHAPTER 2 MANAGING TRAPS

Field	Description
Description	Type a brief Alert description.
Beep Count	Type the number of beeps that should be generated on the PC speaker.
	This field supports numeric datatype only.
Duration	Type how long the beep should be sustained.
	This field supports numeric datatype only.
Delay	Type the time interval to pause between consecutive beeps.
	This field supports numeric datatype only.
Frequency	Type the frequency of the beep in Hertz.
	This field supports numeric datatype only.

- **3** Type appropriately in the relevant fields and then click **OK**.
- 4 Click **OK** on the "Alert Configuration" window.

TrapTracker displays the "Alerts" console with the newly created audible Alert.

🐴 Alerts				
Proactive notification of Notifications include a c	Traps meeting ombination of	g a certain crite Beep, Email, M	ria can be configu lessages or any ol	red. her Custom Action.
Description	⊲ j ⊮ Beep	🚊 Email	Message	👅 Custom
Audible Alert	Yes	No	No	No
·		1		1
Add	<u>E</u> dit	<u>R</u> emove		<u>C</u> lose

5 Click <u>Close</u>.

Figure 35 Alerts dialog box with newly added audible alert.

Configuring E-mail Alert action

This option enables you to configure e-mail Alert action.

To configure e-mail Alert action

Note

The SMTP server must be accessible from the Console system. That is either the system must be able to access internet or the SMTP server must be reachable over the LAN. Ensure valid email id's are provided in both "To Address" and "From Address".

1 Select/enter appropriate Trap Details in the "Alert Configuration" window.

4 Alert Configu	ration 🛛 🔀
Alert Description:	E-mail Alert
Trap Details: Source IP Address:	webdoc1.toons.local
Generic:	enterpriseSpecific 💌
Enterprise:	pmiSystem 🗨
Traps:	-All- pmiAppUsageTrap pmiEventTrap
Match In VarBinds:	evtSource=Security
Actions:	Mail 🥅 Message 🥅 Custom 📃 <u>E</u> dit
<u>0</u> K	Cancel

2 Select the Email check box.

TrapTracker displays the "Configure Action – Email" window.

Figure 36 Alert Configuration dialog box – set up audible alert Figure 37 Configure Action dialog box

4	Configure Ac	tion	
	🚖 Emai	1	
	Specify subject fo	r EMail message.	OK
	- EMail Configura	tion:	Cancel
	To:	susan@prismmicrosys.com 💌	
	Subject:	TrapTracker	
	From:	TrapTracker@PNPL	
	SMTP Server:	XYZ 🔽	

Table 13

Field	Description
Email Configuration	
То	Type a valid recipient e-mail address.
Subject	Subject of the e-mail.
From	Type a valid sender e-mail address.
SMTP Server	Type the SMTP Server name or IP address or select it from the drop-down list.

- 3 Select/enter appropriately in the relevant fields and then click **OK**.
- 4 Click **OK** on the "Alert Configuration" window.

TrapTracker displays the "Alerts" console with the newly created e-mail Alert.

Figure 38 Alerts dialog box with newly added audible alert.

otifications include a	of Traps meeting combination of) a certain crite Beep, Email, M	ria can be configu lessages or any ol	ired. Ther Custom Action
Description	< ∫ ⊮ Beep	🚊 Email	📕 Message	Custom
Audible Alert	Yes	No	No	No
E-mail Alert	No	Yes	No	
dd	Edit	<u>R</u> emove		<u>C</u> lose

5 Click <u>Close</u>.

Configuring Console Message Alert action

This option enables you to configure console message Alert action.



1 Select/enter appropriate Trap Details in the "Alert Configuration" window.

Figure 39 Alert Configuration dialog box – set up console message alert.

4 Alert Configu	ration	×				
Alert Description:	Console Message					
Trap Details: Source IP Address:	webdoc1.toons.local					
Generic:	enterpriseSpecific	-				
Enterprise:	pmiSystem	-				
Traps:	-All- pmiAppUsageTrap pmiEventTrap pmiSusTrap					
Match In VarBinds:	evtld=861					
Actions:	Mail 🥅 Message 🥅 Custom 📃 Ed	it				
<u>0</u> K	Cancel					

2 Select the **Message** check box.

TrapTracker displays the "Configure Action – Message" window.

Message Configuration A notification message will be sent to the machine of choice. Enter the machine name:

Table 14

Figure 40 Configure Action dialog box.

1BCHAPTER 2 MANAGING TRAPS

Field	Description				
Message Configuration: A notification message will be sent to the machine of your choice.					
	Type the name or IP address of the machine or you can select from the drop-down list.				

- **3** Type appropriately in the relevant fields and then click **OK**.
- 4 Click **OK** on the "Alert Configuration" window.

TrapTracker displays the Alerts console with the newly created console message Alert.

🛃 Alerts 🛛 🔀									
Proactive notification of Traps meeting a certain criteria can be configured. Notifications include a combination of Beep, Email, Messages or any other Custom Action.									
Description	<∫₩	Веер		Email		Message	•	Custom	
Audible Alert		Yes		No		No		No	
E-mail Alert		No		Yes		No		No	
Console Message		No		No		Yes		No	
	<u>E</u> dit		<u>R</u> emo	ove				<u>C</u> lose	

5 Click <u>Close</u>.

Executing Custom Alert action

This option enables you to set up a custom Alert action.

To execute custom Alert action

1 Select/enter appropriate Trap Details in the "Alert Configuration" window.

Figure 41 Alerts dialog box with newly added audible alert. Figure 42 Alert Configuration dialog box – set up custom action alert.

4 Alert Configu	ration 🛛	×
Alert Description:	Custom Action Alert	
Trap Details: Source IP Address:	webdoc1.toons.local	
Generic:	enterpriseSpecific 💽	
Enterprise:	pmiSystem 💌	
Traps:	-All- pmiAppUsageTrap pmiEventTrap pmiSusTrap	
Match In VarBinds:	evtTicks=1	
Actions:	Mail 🥅 Message 🥅 Custom 📃 <u>E</u> dit	
<u> </u>	<u>C</u> ancel	

2 Select the **Custom** check box.

TrapTracker displays the "Configure Action – Custom" window.

	Custom	
Г	Custom Configuration	
	Select a file to execute when the specific trap occurs.	Cancel
	The order of command line arguments to the file is as shown in the example given below:	
	Eg., C:\MyFile.exe Source IP Address, Enterprise, Community, Generic, Trap Name/Id	
	▼ <u>B</u> rowse	
L		

Table 15

Figure 43 Configure Action dialog box. ALERTS

56

Field	Description				
Custom Configuration: Select a file to be executed when a specific trap occurs.					
×	Select a file from the drop-down list or click <u>B</u>rowse to browse for the file.				

3 Click Browse.

TrapTracker displays the "Open" window.

Open		? 🔀
Look in:	🖙 Local Disk (C:) 💽 🗢 🖻 📸	
My Recent Documents Desktop My Documents My Computer	 Inetpub Documents and Settings TEMP wcwtemp aystemp Program Files WINDOWS MyBAT MyEXE 	
S	File name:	Open
My Network Places	Files of type:	Cancel

4 Select a custom file and then click **Open**.

TrapTracker updates the Configure Action window with the path of the custom file.

Figure 44 Open dialog box.

Figure 45 Configure Action dialog box.

	🛧 Configure Action
	Custom
ОК	Custom Configuration
curs. Cancel	Select a file to execute when the specific trap occurs.
is as	The order of command line arguments to the file is as shown in the example given below:
ə,	Eg., C:\MyFile.exe Source IP Address, Enterprise, Community, Generic, Trap Name/Id
rowse	C:\MyBAT.bat
curs. Cancel	Select a file to execute when the specific trap occurs. The order of command line arguments to the file is as shown in the example given below: Eg., C:\MyFile.exe Source IP Address, Enterprise, Community, Generic, Trap Name/Id C:\MyBAT.bat

- 5 Click OK.
- 6 Click **OK** on the "Alert Configuration" window.

TrapTracker displays the Alerts console with the newly created custom Alert.

🛃 Alerts 🛛 🔀						
Proactive notification of Traps meeting a certain criteria can be configured. Notifications include a combination of Beep, Email, Messages or any other Custom Action.						
Description	⊲∫#≁ Beep	눹 Email	📕 Message	👅 Custom		
Audible Alert	Yes	No	No	No		
E-mail Alert	No	Yes	No	No		
Console Message	No	No	Yes	No		
Custom Action Al	No	No	No	Yes		
	<u>E</u> dit	<u>R</u> emove		<u>C</u> lose		

7 Click <u>Close</u>.

Modifying Alert Configuration Details

This option enables you to modify Alert and Alert action configuration settings.

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Figure 46 Alerts dialog box with newly added custom action alert.

To modify Alert and Alert action configuration

1 From the **Options** menu, choose **Alerts**.

(OR)

Click **Alerts** on the toolbar.

TrapTracker displays the "Alerts" console.

Figure 47 Alerts dialog box.

🐴 Alerts					
Proactive notification of Traps meeting a certain criteria can be configured. Notifications include a combination of Beep, Email, Messages or any other Custom Action.					
Description	⊲)j⊮ Beep	🗎 Email	📕 Message	👅 Custom	
Audible Alert	Yes	No	No	No	
E-mail Alert	No	Yes	No	No	
Console Message	No	No	Yes	No	
Custom Action Al	No	No	No	Yes	
Add	<u>E</u> dit	<u>R</u> emove		<u>C</u> lose	

2 Select the Alert that you want to modify.

🛧 Alerts 🛛 🔀					
Proactive notification of Traps meeting a certain criteria can be configured. Notifications include a combination of Beep, Email, Messages or any other Custom Action.					
Description	∢∭r⊬ Beep	🗎 Email	📃 Message	👅 Custom	
Audible Alert	Yes	No	No	No	
E-mail Alert	No	Yes	No	No	
Console Message	No	No	Yes	No	
Custom Action Al	No	No	No	Yes	
Add	<u>E</u> dit	<u>R</u> emove		<u>C</u> lose	

Figure 48 Alerts dialog box.

3 Click <u>Edit</u>.

TrapTracker displays "Alert Configuration" window with the configuration settings set earlier.

🐴 Alert Configu	ration	×
Alert Description:	Custom Action Alert	
Trap Details: Source IP Address:	webdoc1.toons.local	
Generic:	enterpriseSpecific	
Enterprise:	pmiSystem 💌	
Traps:	-All- pmiAppUsageTrap pmiEventTrap pmiSusTrap	
Match In VarBinds:	evtTicks=1	
Actions:	Mail 🥅 Message 🔽 Custom <u>E</u> dit	
<u>0</u> K	Cancel	

- 4 Select/enter appropriately in the relevant fields under Trap Details.
- 5 Click <u>Edit</u> to modify the Alert actions.

TrapTracker displays "Configure Action – Custom" window.

Figure 49 Alert Configuration dialog box. Figure 50 Configure Action dialog box.

🛧 Configure Action	×
Custom Custom Custom Custom Configuration Select a file to execute when the specific trap occurs. The order of command line arguments to the file is as shown in the example given below: Eg., C:\MyFile.exe Source IP Address, Enterprise, Eg., C:\MyFile.exe Source IP Address, Enterprise,	OK Cancel
C:\MyBAT.bat	

- 6 Click **Browse** to select a custom file from "Open" window.
- 7 Select a file that you want to execute and click **Open**.

TrapTracker updates the "Configure Action – Custom" window with the path of the new file chosen.

🐴 Configure Action	
Custom	
Custom Configuration	ОК
Select a file to execute when the specific trap occurs.	Cancel
The order of command line arguments to the file is as shown in the example given below:	
Eg., C:\MyFile.exe Source IP Address, Enterprise, Community, Generic, Trap Name/Id	
C:\MyEXE.exe	

- 8 Click OK.
- 9 Click **OK** on the "Alerts Configuration" window.
- 10 Click <u>Close</u>.

Figure 51 Configure Action dialog box.

Deleting Alert Configuration Details

This option enables you to delete Alert configuration settings.

To delete Alert configuration setting

1 From the **Options** menu, choose **Alerts**.

(OR)

Click Alerts on the toolbar.

- 2 Select the Alert that you want to delete.
- 3 Click <u>Remove</u>.

TrapTracker displays the confirmation message box.

TrapTra	icker 🛛 🔀
2	Are you sure you want to remove the selected Alert.
	Yes No

- 4 Click **Yes** to delete or **No** to retain.
- 5 Click <u>Close</u>.

Figure 52 Remove alert – confirmation dialog box.

Chapter 3 Reports & Categories

In this chapter, you will learn how to:

- Create Categories
- Modify Categories
- Delete Categories
- Add Trap Details to a Category
- Modify Trap Details in a Category
- Delete Trap Details from a Category
- Export Category
- Import Category
- Generate Historical Reports

2BCHAPTER 3 REPORTS & CATEGORIES

Managing Trap Categories

TrapTracker has categories feature, where a set of related traps are grouped together as your needs dictate into a category. Whenever a trap in a category occurs, the Reports will highlight that category with an appropriate trap severity indicator. This feature enables easy identification of critical traps that are generated by a device that belongs to a specific category.

The steps involved in using categories are:

- Creating a Category
- 2 Adding traps to that Category
- 3 Defining the Trap Severity for each trap added
- 4 Monitoring the status of the Category by running Reports

Example:

Take the case of a category that monitors all critical traps generated from a Router. This category will contain all the important traps that are generated by the router. Each trap will have its own severity level. When the user monitors the status of this category using the **Reports** console, the category will be highlighted with the color code of the trap with the maximum severity that has been generated by the router.

If the category contains 2 traps,

- 1 First trap with Trap ID = 1.3.6.1.4.1.618, Source = 192.244.88.11, Severity=Major
- 2 Second trap with Trap ID = 1.3.6.8.4.1.724, Source = 192.244.88.11, Severity=Critical

If the device (192.244.88.11) had generated a trap with trap ID = 1.3.6.1.4.1.618, then the Reports would indicate the presence of a Major Severity trap in the device (192.244.88.11).

If the device (192.244.88.11) had generated a trap with trap ID = 1.3.6.1.4.1.618 and another trap with trap ID = 1.3.6.8.4.1.724, then the Reports would indicate the presence of a Critical Severity trap from device 192.244.88.11.

Therefore, the most significant severity level takes precedence over its peers.

If either of these two traps were not generated, then the Reports would make no indication for this category.

Creating Trap Category

This option enables you to create a trap category.

To create a trap category

1 From the **Reports** menu, choose **Categories**.

(OR)

Click Trap Categories on the toolbar.

TrapTracker displays the "Manage Categories" console.

🕂 Manage Categories х Categories are used to organize traps in an ordered and user friendly manner. Category Management is used extensively in Reports showing only the traps that you find interesting. This interface provides you with all the tools required to create, manipulate and manage Categories. linkDown Link down events linkDown Severity Major Source Generic Enterprise Name Trap Name Variables linkUp linkDown sysStartup Events Create Cat... <u>E</u>dit Cat... Add Traps Remove Trap Edjt Trap <u>0</u>K <u>C</u>ancel

Table 16

Figure 53 Manage

Categories dialog box.

Click	То
C <u>r</u> eate Category	Create a category.
Delete Category	Delete a category.
Edit Category	Modify category details.
<u>A</u> dd Traps	Add trap details to a category.
Re <u>m</u> ove Traps	Delete traps details from a category.
Ed <u>i</u> t Trap	Modify trap details in a category.

Note

Pre-defined categories are linkDown, linkUp and sysStartup Events.

2 Click Create Category.

TrapTracker displays the "Add Category" window.

Ð

Figure 54 Add
Category dialog box.

🔺 Add Category
Provide information about new trap category that you want to create.
Trap Category Details:
Trap Category Name:
Description:
<u>N</u> ext> <u>Cancel</u>

3 Type an appropriate name in the **Trap Category Name** field. This field is mandatory. If you skip this, TrapTracker displays the TrapTracker message box with appropriate message.



4 Type a brief description of the Category in the **Description** field. This field is not mandatory.

Figure 55 TrapTracker message box.

Figure 56 Add	
Category dialog box	

Add Category	×
Provide information about new trap category that you want to create.	
Trap Category Details:]
Trap Category Name:	
Description:	
Custom evtTicks Category	
Next > Cancel	

5 Click <u>Next</u> > to add trap details.

TrapTracker displays the "Add Trap Detail" window.

Figure 57 Add Trap Detail dialog box.

🕂 Add Trap Detail		×
Add Traps to the category. Note that En 'enterpriseSpecific'.	terprise can be selected only when Generic is	
Severity:	Information	
Source (Name / IP):	All-	
Generic:	Traps:	
enterpriseSpecific	▼ All-	
Enterprise:		
-All-		
]
Match In VarBinds:		
Trap Description:		
Add	<u>F</u> inish <u>C</u> ancel	

Table 17

Field	Description
Severity	Select a severity level from this drop-down list. Available options are -All-, Clear, Minor, Information, Major, Warning, and Critical.
Source (Name/IP)	Type the name or IP address of the source of traps.
Generic	This drop-down list is populated with pre-defined generic traps, which are common to all SNMP compliant devices.
Enterprise	This option is enabled only when you choose the enterpriseSpecific option in the Generic drop-down list. This list box is populated with the available compiled MIBs.
Traps	This list box is populated with the traps that are available in the enterprise MIB you have chosen.
Match in Varbinds	To further narrow down your selection criteria, you can enter the variables associated with the chosen MIB, in this field.
Trap Description	The trap description defined in the MIB is displayed in this display box.

Figure 58 Add Trap Detail dialog box 6 Select/enter appropriately in the relevant fields.

Severity:	Information
Source (Name / IP):	192.168.1.42
Generic:	Traps:
enterpriseSpecific	
Enterprise:	pmiAppUsageTrap
pmiSystem	pmiSysTrap
Match In VarBinds:	evtTicks=1
rap Description:	
Tap Description. This trap is sent whenever	a event is logged in

7 Click <u>Add</u> to add trap details.

Had you selected the default severity level, TrapTracker displays the TrapTracker message box with appropriate message.



- 8 Click OK.
- 9 Choose a severity level other than the default value and click <u>Add</u>. This way you can add n number of trap details to your category.
- 10 Click **<u>Finish</u>** to save the category details.

Figure 59 TrapTracker message box. If you click **<u>Finish</u>** without adding trap details, TrapTracker displays the TrapTracker message box with appropriate message.

TrapTrac	ker 🔀
?	Do you want to proceed without adding any members to 'evtTicks Cat'?
	<u>Yes</u> <u>N</u> o

11 If you click <u>Yes</u>, the category is created without any trap details. Later, you can add trap details to this category.

TrapTracker displays the "Manage Categories" console with the newly created category.

🕂 Manage Categories × Categories are used to organize traps in an ordered and user friendly manner. Category Management is used extensively in Reports showing only the traps that you find interesting. This interface provides you with all the tools required to create, manipulate and manage Categories. Custom evtTicks Category evtTicks Cat evtTicks Cat Enterprise Name Generic Variables Severity Source Trap Name linkDown 192.168.1.42 evtTicks=1 enterpriseSpecific pmiSystem pmiEventTrap Information linkUp sysStartup Events Edit Cat... Create Cat... Delete Cat.. Edjt Trap Add Traps Remove Trap <u>0</u>K Cancel

12 Click <u>OK</u>.

Monitoring Custom Categories

To monitor custom categories

1 From **Reports** menu, choose **Report/History**.

(OR)

Click Report on the toolbar.

TrapTracker displays the "Select Report / History Parameters" window.

Figure 60 TrapTracker message box.

Figure 61 Manage

Categories dialog box

Figure 62 Select Report/History Parameters dialog box.

🕂 Select Report / His	tory Parameters		×				
Window Name:	Report / History						
Select Time Range: —							
From:	9 /23/2005 ÷	12:00:00 AM 📫					
To:	9 /23/2005 📫	11:49:50 AM 🗧					
Select View Parameters:							
View By Trap Cate	egory						
Select Trap Cate	egory: -All-	•					
O View By Custom Selection							
Source (Name /	IP): -All-						
Severity:	-All-	v					
Generic:	-All-	V					
Enterprise:	-All-	•					
Traps:	-All-						
Match In VarBinds:							
<u>0</u> K		<u>C</u> ancel					

- 2 Type the name of the window in the **Window Name** field.
- **3** Select **From**, **To** Date and Time.
- 4 Select the View By Trap Category option.
- 5 Select the category from the **Select A Trap Category** drop-down list.

Figure 63 Select Report/History Parameters dialog box.

Select Report / History Parameters						
Window Name:	My Cat Window					
Select Time Range:						
From:	9 /23/2005 ÷ 12:00:00 AM ÷					
To:	9 /23/2005 🔹 11:49:54 AM 🔹					
Select View Parameters:						
View By Trap Category						
Select Trap Cate	gory: evtTicks Cat					
C View By Custom S	election					
Source (Name /	P): -All-					
Severity:	-All-					
Generic:	-All-					
Enterprise:	-A -					
Traps:	-All-					
Match In VarBinds:						
<u>0</u> K	Cancel					

6 Click <u>O</u>K.

TrapTracker displays the trap details of the selected category in a new window.
Figure 64 New window displaying selected category details

🕈 My Cat Window (evt	Ticks Cat)		
Date / Time	Source	Trap Name	Variables
4) 9/23/2005 10:06:21	gijoe.Toons.local	pmiEventTrap	evtIndex=527, evtTicks=1127450181, evtLocalTime=2005-09-23 10:06:21,
🞝 9/23/2005 10:06:21	gijoe.Toons.local	pmiEventTrap	evtIndex=528, evtTicks=1127450181, evtLocalTime=2005-09-23 10:06:21,
3) 9/23/2005 10:06:21	gijoe.Toons.local	pmiEventTrap	evtIndex=529, evtTicks=1127450181, evtLocalTime=2005-09-23 10:06:21,
🞝 9/23/2005 10:09:37	gijoe.Toons.local	pmiEventTrap	evtIndex=531, evtTicks=1127450377, evtLocalTime=2005-09-23 10:09:37,
3) 9/23/2005 10:20:27	gijoe.Toons.local	pmiEventTrap	evtIndex=532, evtTicks=1127451027, evtLocalTime=2005-09-23 10:20:27,
칮 9/23/2005 10:24:28	gijoe.Toons.local	pmiEventTrap	evtIndex=537, evtTicks=1127451268, evtLocalTime=2005-09-23 10:24:28,
칮 9/23/2005 10:24:28	gijoe.Toons.local	pmiEventTrap	evtIndex=538, evtTicks=1127451268, evtLocalTime=2005-09-23 10:24:28,
칮 9/23/2005 10:24:28	gijoe.Toons.local	pmiEventTrap	evtIndex=539, evtTicks=1127451268, evtLocalTime=2005-09-23 10:24:28,
3) 9/23/2005 10:24:29	gijoe.Toons.local	pmiEventTrap	evtIndex=540, evtTicks=1127451268, evtLocalTime=2005-09-23 10:24:28,
3) 9/23/2005 10:24:44	gijoe.Toons.local	pmiEventTrap	evtIndex=541, evtTicks=1127451283, evtLocalTime=2005-09-23 10:24:43,
3) 9/23/2005 10:25:19	gijoe.Toons.local	pmiEventTrap	evtIndex=542, evtTicks=1127451319, evtLocalTime=2005-09-23 10:25:19,
3) 9/23/2005 10:26:44	gijoe.Toons.local	pmiEventTrap	evtIndex=546, evtTicks=1127451404, evtLocalTime=2005-09-23 10:26:44,
9/23/2005 10:26:44	gijoe.Toons.local	pmiEventTrap	evtIndex=547, evtTicks=1127451404, evtLocalTime=2005-09-23 10:26:44,
3) 9/23/2005 10:26:47	gijoe.Toons.local	pmiEventTrap	evtIndex=548, evtTicks=1, evtLocalTime=2005-09-23 10:26:47, evtSysNa
칮 9/23/2005 10:26:59	gijoe.Toons.local	pmiEventTrap	evtIndex=551, evtTicks=1127451419, evtLocalTime=2005-09-23 10:26:59,
3) 9/23/2005 10:27:08	gijoe.Toons.local	pmiEventTrap	evtIndex=552, evtTicks=1, evtLocalTime=2005-09-23 10:27:08, evtSysNa
3) 9/23/2005 10:27:09	gijoe.Toons.local	pmiEventTrap	evtIndex=553, evtTicks=1, evtLocalTime=2005-09-23 10:27:09, evtSysNa
9/23/2005 10:27:25	gijoe.Toons.local	pmiEventTrap	evtIndex=554, evtTicks=1127451445, evtLocalTime=2005-09-23 10:27:25,
3) 9/23/2005 10:27:25	gijoe.Toons.local	pmiEventTrap	evtIndex=555, evtTicks=1127451445, evtLocalTime=2005-09-23 10:27:25,
3/23/2005 10:27:25	gijoe.Toons.local	pmiEventTrap	evtIndex=556, evtTicks=1127451445, evtLocalTime=2005-09-23 10:27:25,
9/23/2005 10:27:25	gijoe.Toons.local	pmiEventTrap	evtIndex=557, evtTicks=1127451445, evtLocalTime=2005-09-23 10:27:25,
3) 9/23/2005 10:27:25	gijoe.Toons.local	pmiEventTrap	evtIndex=558, evtTicks=1127451445, evtLocalTime=2005-09-23 10:27:25,
9/23/2005 10:27:25	gijoe.Toons.local	pmiEventTrap	evtIndex=559, evtTicks=1127451445, evtLocalTime=2005-09-23 10:27:25,
9/23/2005 10:27:46	gijoe.Toons.local	pmiEventTrap	evtIndex=561, evtTicks=1127451466, evtLocalTime=2005-09-23 10:27:46,
elected Tran: 1		·	Total Trans In Window: 135

7 Close the window by clicking \bowtie at the upper-right corner of the window.

Modifying Category Details

This option enables you to modify category details.

To modify category details

1 From the **Reports** menu, choose **Categories**.

(OR)

Click Trap Categories on the toolbar.

2 On the left pane, select the category that you want to modify and then click <u>Edit Category</u>.

(OR)

Double-click the category that you want to modify.

TrapTracker displays the "Edit Category" window.

Figure 65 Edit	
Category dialog box	x

🕂 Edit Category	×
Edit the description for this category.	
Trap Category Details:	
Trap Category Name: evtTicks Cat	
Description: Custom evtTicks Category	
<u> </u>	

- 3 You can edit **Description** alone and not the **Trap Category Name**.
- 4 Click <u>Finish</u>.
- 5 Click **<u>Cancel</u>** to retain the previous configuration settings.
- 6 Click <u>O</u>K.

Deleting Category

This option enables you to delete a category.

To remove a category

1 From the **Reports** menu, choose **Categories**.

(OR)

Click Trap Categories on the toolbar.

- 2 On the left pane, select the category that you want to delete.
- 3 Click <u>Delete Category</u>.

TrapTracker displays the confirmation message box.



Adding Trap Details to a Trap Category

This option enables you to add trap details to a trap Category.

To add trap details to a trap category

From the **Reports** menu, choose **Categories**.
 (OR)

Click Trap Categories on the toolbar.

- 2 On the left pane, select a category.
- 3 Click <u>Add Traps</u>.

TrapTracker displays the "Add Trap Detail" window.

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Figure 67 Add Trap Detail dialog box

Add Traps to the category. Note that Enterprise can be selected only when Generic is 'enterpriseSpecific'. Severity: Information Source (Name / IP): Generic: raps: enterpriseSpecific Enterprise: -All- Match In VarBinds: Trap Description:	🚓 Add Trap Detail	×
Severity: Information Source (Name / IP): Generic: raps: enterpriseSpecific Fall- All- Match In VarBinds: Trap Description:	Add Traps to the category. Note that En 'enterpriseSpecific'.	iterprise can be selected only when Generic is
Source (Name / IP):	Severity:	Information
Generic: Traps: enterpriseSpecific FAll- Enterprise: All- Match In VarBinds: Trap Description:	Source (Name / IP):	Alt
enterpriseSpecific Image: Control of the second s	Generic:	Traps:
Enterprise: -All- Match In VarBinds:	enterpriseSpecific	▼ All·
All-	Enterprise:	
Match In VarBinds:	-All-	
	Match In VarBinds:	
Add <u>E</u> inish <u>C</u> ancel		

4 Select/enter appropriately in the relevant fields.

Figure 68 Add Trap Detail dialog box

🕂 Add Trap Detail	×
Add Traps to the category. Note that En 'enterpriseSpecific'.	terprise can be selected only when Generic is
Severity:	Information
Source (Name / IP):	192.168.1.42
Generic:	Traps:
enterpriseSpecific	
Enterprise:	pmiAppUsageTrap pmiEventTrap
pmiSystem	▼ pmiSysTrap
Match In VarBinds:	sysTicks=1127456711
- Trap Description:	
The system sends this trap periodica	ally to
Add	<u>F</u> inish <u>C</u> ancel

5 Click <u>A</u>dd and then click <u>Finish</u>.

TrapTracker displays the "Manage Categories" console with the newly added trap details.

/tTicks Cat	Custom evtTicks	Category				
vtTicks Cat	Source	Generic	Enterprise Name	Trap Name	Variables	Severity
nkDown	192.168.1.42	enterpriseSpecific	pmiSystem	pmiEventTrap	evtTicks=1	Information
nkUp vsStartup Events	192.168.1.42	enterpriseSpecific	pmiSystem	pmiSysTrap	sysTicks=1127456711	Informatio
	L					

Figure 69 Manage Categories dialog box with newly added trap details. 6 Click OK.

If you click **<u>Cancel</u>**, TrapTracker displays the TrapTracker message box with appropriate message.

٩	This action will undo the changes you have made. Select 'Yes' to save the changes and exit or select 'No' to exi without saving the changes.
	Yes No Cancel

- 7 Click <u>Yes</u> to save the changes and exit or click <u>No</u> to exit without saving.
- 8 Click **Cancel** and then click <u>**O**</u>K on the Manage Categories console.

Modifying Trap Details in a Trap Category

This option enables you to modify trap details in a trap category.

To modify trap details in a trap category

- 1 From the **Reports** menu, choose **Categories**.
 - (OR)

Click Trap Categories on the toolbar.

2 On the left pane, select the category.

vtTicks Cat	Custom evtTicks	Category				
vtTicks Cat	Source	Generic	Enterprise Name	Trap Name	Variables	Severity
nkDown	192.168.1.42	enterpriseSpecific	pmiSystem	pmiEventTrap	evtTicks=1	Information
nkUp	192.168.1.42	enterpriseSpecific	pmiSystem	pmiSysTrap	sysTicks=1127456711	Information
ysStartup Events						
	L					

Figure 70 TrapTracker message box.

Figure 71 Select Category. Figure 72 Edit Trap Detail dialog box 3 On the right pane, double-click the trap detail you want to modify. (OR)

Select the trap detail on the right pane and then click Edit Trap.

TrapTracker displays "Edit Trap Detail" window.

Severity:	Information
Source (Name / IP):	192.168.1.42
Generic:	Traps:
enterpriseSpecific	
Enterprise:	pmiAppUsageTrap pmiEventTrap
pmiSystem	▼ pmiSysTrap
Match In VarBinds:	sysTicks=1127456711
rap Description:	
The system sends this trap	periodically to

- 4 Select/enter appropriately in the relevant fields and click **<u>F</u>inish**.
- 5 Click **OK**.

Deleting Trap Details from a Trap Category

This option enables you to delete trap details from a trap Category.

To delete trap details from a trap category

1 From the **Reports** menu, choose **Categories**.

(OR)

Click Trap Categories on the toolbar.

- 2 On the left pane, select the Category.
- 3 On the right pane, select the trap detail you want to delete.
- 4 Click Remove Trap.

TrapTracker displays the confirmation message box.

TrapTrac	ker 🔀
?	Are you sure you want to remove selected Trap Detail?
	Yes No

- 5 Click **Yes** to delete the selected category or **No** to retain.
- 6 Click OK.

Import and Export Trap Categories

The category import and export feature is provided to ease the category creation process and to help in category redistribution. . Categories can be exported to a file and these files can be imported by any other systems in an enterprise. This concept is concerned with creating categories in a system and utilizing them on any other systems in an enterprise that may need it.

Exporting Trap Categories

This option enables you to export a trap Category.

To export a trap category

1 From the **Reports** menu, choose **Export Categories**.

TrapTracker displays the "Export Categories" window.

Figure 73 TrapTracker

message box.

Figure 74 Export Categories dialog box.

🕂 Export Categories	×
Select a category to export to a file evtTicks Cat linkDown linkUp sysStartup Events	
<u>Export</u>	

TrapTracker displays all available pre-defined and user-defined categories.

2 Select a single category or hold **Shift** key and select multiple categories and then click **Export**.

TrapTracker displays the "Select Export File" window.

Select Export File	:		?	×
Save jn:	🖃 Local Disk (C:)	• + 1	r 📰 🕈	
History Desktop My Documents	 Documents and Settings etwtemp MDSmibs Program Files TEMP ttwtemp unzipped webhelp WINNT 			
My Computer	File <u>n</u> ame: <mark>*.iscat</mark> Save as <u>type:</u> iSMARTset Group File	es (*.iscat)	 <u>S</u>ave Cancel 	
				111



The file extension of the export file is .iscat.

Figure 75 Select Export File dialog box

P

- **3** Go to the directory where you want to save the export file.
- **4** Type a name in the **File name** field.
- 5 Click Save.

TrapTracker displays the TrapTracker message box with appropriate status of the export.



- 6 Click OK.
- 7 Click **Close** on the "Export Categories" window.

Importing Trap Categories

This option enables you to import a trap category.

To import a trap category

1 From the **Reports** menu, choose **Import Categories**.

TrapTracker displays "Select Import File" window.

Figure 76 TrapTracker message box.

Figure 77 Select Import File dialog box

Select Import File	e	? ×
Look jn:	🖃 Local Disk (C:) 💽 🔶 🖻 📸 -	
History Desktop My Documents	CatExport1	
My Computer	File name: *.iscat O Files of type: iSMART set Group Files (*.iscat) Ca	oen ncel
My Network P	Dpen as read-only	//

- 2 Go to the directory where you have stored the category file.
- 3 Select the file and then click **Open**.

TrapTracker displays TrapTracker message box with appropriate status of the import.

TrapTrac	ker
٩	Successfully imported category / categories from file: C:\CatExport1.ISCAT To view the imported categories please go to [Reports Categories].
	ОК
	01/

- 4 Click OK.
- 5 From the **Reports** menu, choose **Categories** to view the imported categories.

Reports

Figure 78 TrapTracker message box.

The Reports feature presents a very simplified picture of all the trap activities in your enterprise or any specific device. This feature is designed to help you obtain a high-level perspective about the health of a critical device. Using a combination of predefined categories and user-defined categories, the Reports feature provides you a quick insight into the trap activities that have occurred in a specific time frame. User-defined categories are populated in the **Select a Trap Category** list box in the **Select / History Parameters** dialog box. Using a combination of Alerts, Categories and Reports, you can easily isolate the devices and resolve issues.

Reports present the data in two formats:

- 1 Based on categories.
- 2 Based on custom trap selection criteria.

Generating Reports

This option enables you to generate reports.

To generate reports

1 From the **Reports** menu, choose **Report/History**.(OR)

Click Report on the toolbar.

TrapTracker displays "Select Report / History Parameters" window.

Figure 79 Select Report/History Parameters dialog box.

👍 Select Report / Hist	ory Parameters	×
Window Name:	Report / History	
Select Time Range:		
From:	9 /23/2005 ÷ 12:00:00 AM ÷	
To:	9 /23/2005 + 12:59:00 PM +	
Select View Parameters:		
View By Trap Categoria	gory	
Select Trap Categ	ory: -All-	
O View By Custom Set	lection	
Source (Name / If	P): -All-	
Severity:	-All-	
Generic:	-All-]
Enterprise:	-All-	
Traps:	-All-	
Match In	-	
VarBinds:		
<u>0</u> K	Cancel	

- 2 Type the window name in the **Window Name** field.
- 3 Select the **From** and **To** date and time.

VIEW TRAP BY TRAP CATEGORY

This option enables you to view traps by trap category.

To view trap by Trap Category

- 1 Select the View By Trap Category option.
- 2 Select a category from the **Select A Trap Category** drop-down list.

Figure 80 Select Report/History Parameters dialog box.

🕂 Select Report / His	tory Parameters	×
Window Name:	Report / History	_
Select Time Range: —		
From:	9 /23/2005 📫 12:00:00 AM 📫	
To:	9 /23/2005 + 12:59:00 PM +	
Select View Parameter	:	
View By Trap Cate	egory	
Select Trap Cate	gory: evtTicks Cat	- I
C View By Custom S	election	
Source (Name /	P): All-	
Severity:	-All-	3
Generic:	All	3
Enterprise:	-All-	
Traps:	-All-	-
	1	
Match In VarBinds:		
<u>0</u> K	Cancel	

3 Click <u>O</u>K.

TrapTracker displays the trap details of the selected category in a new window.

Figure 81 New window displaying selected category details.

Report / History (evtTicks Cat)				
Date / Time	Source	Trap Name	Variables	
9/23/2005 10:06:21	gijoe.Toons.local	pmiEventTrap	evtIndex=527, evtTicks=1127450181, evtLocalTime=2005-09-23 10:06:21,	
9/23/2005 10:06:21	gijoe.Toons.local	pmiEventTrap	evtIndex=528, evtTicks=1127450181, evtLocalTime=2005-09-23 10:06:21,	
9/23/2005 10:06:21	gijoe.Toons.local	pmiEventTrap	evtIndex=529, evtTicks=1127450181, evtLocalTime=2005-09-23 10:06:21,	
9/23/2005 10:09:37	gijoe.Toons.local	pmiEventTrap	evtIndex=531, evtTicks=1127450377, evtLocalTime=2005-09-23 10:09:37,	
9/23/2005 10:20:27	gijoe.Toons.local	pmiEventTrap	evtIndex=532, evtTicks=1127451027, evtLocalTime=2005-09-23 10:20:27,	
9/23/2005 10:24:28	gijoe.Toons.local	pmiEventTrap	evtIndex=537, evtTicks=1127451268, evtLocalTime=2005-09-23 10:24:28,	
9/23/2005 10:24:28	gijoe.Toons.local	pmiEventTrap	evtIndex=538, evtTicks=1127451268, evtLocalTime=2005-09-23 10:24:28,	
9/23/2005 10:24:28	gijoe.Toons.local	pmiEventTrap	evtIndex=539, evtTicks=1127451268, evtLocalTime=2005-09-23 10:24:28,	
9/23/2005 10:24:29	gijoe.Toons.local	pmiEventTrap	evtIndex=540, evtTicks=1127451268, evtLocalTime=2005-09-23 10:24:28,	
9/23/2005 10:24:44	gijoe.Toons.local	pmiEventTrap	evtIndex=541, evtTicks=1127451283, evtLocalTime=2005-09-23 10:24:43,	
9/23/2005 10:25:19	gijoe.Toons.local	pmiEventTrap	evtIndex=542, evtTicks=1127451319, evtLocalTime=2005-09-23 10:25:19,	
9/23/2005 10:26:44	gijoe.Toons.local	pmiEventTrap	evtIndex=546, evtTicks=1127451404, evtLocalTime=2005-09-23 10:26:44,	
9/23/2005 10:26:44	gijoe.Toons.local	pmiEventTrap	evtIndex=547, evtTicks=1127451404, evtLocalTime=2005-09-23 10:26:44,	
9/23/2005 10:26:47	gijoe.Toons.local	pmiEventTrap	evtIndex=548, evtTicks=1, evtLocalTime=2005-09-23 10:26:47, evtSysNa	
9/23/2005 10:26:59	gijoe.Toons.local	pmiEventTrap	evtIndex=551, evtTicks=1127451419, evtLocalTime=2005-09-23 10:26:59,	
9/23/2005 10:27:08	gijoe.Toons.local	pmiEventTrap	evtIndex=552, evtTicks=1, evtLocalTime=2005-09-23 10:27:08, evtSysNa	
9/23/2005 10:27:09	gijoe.Toons.local	pmiEventTrap	evtIndex=553, evtTicks=1, evtLocalTime=2005-09-23 10:27:09, evtSysNa	
9/23/2005 10:27:25	gijoe.Toons.local	pmiEventTrap	evtIndex=554, evtTicks=1127451445, evtLocalTime=2005-09-23 10:27:25,	
9/23/2005 10:27:25	gijoe.Toons.local	pmiEventTrap	evtIndex=555, evtTicks=1127451445, evtLocalTime=2005-09-23 10:27:25,	
9/23/2005 10:27:25	gijoe.Toons.local	pmiEventTrap	evtIndex=556, evtTicks=1127451445, evtLocalTime=2005-09-23 10:27:25,	
9/23/2005 10:27:25	gijoe.Toons.local	pmiEventTrap	evtIndex=557, evtTicks=1127451445, evtLocalTime=2005-09-23 10:27:25,	
9/23/2005 10:27:25	gijoe.Toons.local	pmiEventTrap	evtIndex=558, evtTicks=1127451445, evtLocalTime=2005-09-23 10:27:25,	
9/23/2005 10:27:25	gijoe.Toons.local	pmiEventTrap	evtIndex=559, evtTicks=1127451445, evtLocalTime=2005-09-23 10:27:25,	
9/23/2005 10:27:46	gijoe. Toons. local	pmiEventTrap	evtIndex=561, evtTicks=1127451466, evtLocalTime=2005-09-23 10:27:46,	-
Selected Trap: 1			Total Traps In Window: 200	1

- 4 Double-click a trap to view details.
- 5 Click at the upper-right corner of the "Reports / History (evtTicks Cat)" window to close.

VIEW TRAP BY CUSTOM SELECTION

This option enables you to view traps by custom selection.

To view trap by custom selection

1 Select the View By Custom Selection option.

Figure 82 Select Report/History Parameters dialog box.

🕂 Select Report / His	tory Parameters		×
Window Name:	Report / History		
Select Time Range:	,		
From:	9 /23/2005 🕂	12:00:00 AM 📑	
To:	9 /23/2005 🚦	1 :07:37 PM 🔹	
Select View Parameters	s:		
O View By Trap Cate	egory		
Select Trap Cate	gory: All-	7	
View By Custom S	election		
Source (Name /	IP): -All-		
Severity:	-All-	•	
Generic:	-All-	_	
Enterprise:	-All-	~	
Traps:	-All-		
Match In VarBinds:			
<u>0</u> K		<u>C</u> ancel	

- 2 Type the name of IP address of the source in the **Source [Name / IP]** field.
- 3 Select the severity level from the Severity drop-down list.
- 4 Select the generic trap type from the **Generic** drop-down list.

Note	
The Enterprise list box is enabled, only when enterpriseSpecific trap type from the Generic drop-dov	you choose vn list.

- 5 Select the enterprise from the **Enterprise** drop-down list.
- 6 Select the traps associated with the selected enterprise from the **Traps** dropdown list.

7 Type the varBinds associated with the selected trap in the Match In VarBinds field.

🕂 Select Report / His	tory Parameters	×
Window Name:	Report / History	
Select Time Range: —		
From:	9 /23/2005 ÷ 12:00:00 AM ÷	
To:	9 /23/2005 🗧 1 :07:37 PM 🔹	
Select View Parameters	۶	
C View By Trap Cate	egory	
Select Trap Cate	gory: -All-	
View By Custom S	election	
Source (Name /	IP): 192.168.1.42	
Severity:	Clear 💌	
Generic:	enterpriseSpecific	
Enterprise:	pmiSystem 💌	
Traps:	pmiAppUsageTrap pmiEventTrap pmiSysTrap	
Match In VarBinds:	sysTicks=1127456711	
<u>0</u> K	Cancel	

8 Click OK.

TrapTracker displays the trap details of the selected category in a new window.

Figure 83 Select Report/History Parameters dialog box with user entered values. Figure 84 New window displaying selected category details.

🕂 Report / History (Cu	Report / History (Custom View)			×
Date / Time	Source	Trap Name	Variables	
9/23/2005 11:55:11	gijoe.Toons.local	pmiSysTrap	sysTicks=1127456711, sysTime=2005-09-23 11:55:11, sysName=GIJOE, sy	
Selected Trap: 1			Total Traps In Window: 1	//

9 Double-click the trap record to view details.

TrapTracker displays the trap details in the "Trap Detail" window.

Figure 85 New window displaying selected category details.

🕂 Trap Detail			×
Date & Time: Source: IP Address: Severity: Generic: Enterprise: Trap Name: VarBinds:	9/23/2005 11:55 gijoe. Toons. local 192.168.1.42 Clear enterpriseSpecific pmiSystem (1.3.6 pmiSysTrap (1)	:11 AM : 1.4.1.7011.1)	
sysTicks=1127456 sysType=6(win2KP sysIPAddr=192.168	711, sysTime=2005-0 'ro), sysDescr=586, os 3.1.42	9-23 11:55:11, sysName sver 5, Service Pack 4,	=GIJOE,
More Information: The system sends	this trap periodically to)	
User Notes:			
< <u>P</u> revious	<u>N</u> ext >	<u>0</u> K	<u>C</u> ancel

- 10 Type notes in the **User Notes** field and then click **OK**.
- 11 Click < **Previous** to view details of the previous trap.
- 12 Click <u>Next</u> > to view the details of the next trap.
- 13 Click at the upper-right corner of the Report / History (Custom View) window to close.

2BCHAPTER 3 REPORTS & CATEGORIES

Chapter 4 Tools

In this chapter, you will learn about:

- SMI
- SNMP
- MIB
- MIB II Tree
- SNMP Datatypes
- UDP
- MibCompiler / Browser
- Starting MibCompiler
- Understanding MibCompiler Console
- Need for MIB Compilation
- Compiling a MIB File
- Viewing MIB Details
- Viewing Trap Details
- Search and Find
- Deleting MIB
- Exiting MibCompiler
- DB Compaction

What is SMI?

SMI stands for **Structure of Managed Information** and represents the notation by which an SNMP MIB must be written. Another way to look at SMI is that it is the grammar to write SNMP MIBs. There are two types of SMI: SMIv1 and SMIv2 with SMIv1 being the earlier version, of course, back in 1990.

SMIv1 is now an obsolete notation. However, there are still many SNMP MIBs written before SMIv2 arrived in 1993. SMIv1 is represented by the following IETF RFCs (Request for Comments):

- RFC 1155 for Structure and Identification of Management Information for TCP/IP-based Internets
- RFC 1212 for Concise MIB Definitions
- RFC 1215 A Convention for Defining Traps

SMIv2 is the new notation, which should be used whenever you create a new MIB. SMIv2 is represented by the following MIBs:

- RFC 2576 for Coexistence between Version 1, Version 2, and Version 3
- RFC 2578 for Structure of Management Information Version 2
- RFC 2579 for Textual Conventions for SMIv2
- RFC 2580 for Conformance Statements for SMIv2

"In order for the MIB to serve the needs of a network-management system, it must meet two objectives:

- 1 The object or objects used to represent a particular resource must be the same at each node. [...]
- A common scheme for representation must be used to support interoperability." - William Stallings.

In both Internet and OSI (Open System Interconnection) network management, these two objectives are met by a common structure of management information (SMI), which is defined in RFC 1155. The SMI is the specification for the MIB object tree, which provides a means of associating a common numerical identification code for a given object.

For more information, refer

TCP/IP MIB Objects, Object Characteristics and Object Types.

What is SNMP?

The SNMP Management Framework presently consists of five major components:

An overall architecture, described in RFC 2571 [RFC2571].

- Mechanism for describing and naming objects and events for the purpose of management. The first version of this Structure of Management Information (SMI) is called SMIv1 and is described in STD 16, RFC 1155 [RFC1155], STD 16, RFC 1212 [RFC1212] and RFC 1215 [RFC1215]. The second version called SMIv2 is described in STD 58, RFC 2578 [RFC2578], RFC 2579 [RFC2579] and RFC 2580 [RFC2580].
- Message protocols for transferring management information. The first version of the SNMP message protocol is called SNMPv1 and is described in STD 15, RFC 1157 [RFC1157]. A second version of the SNMP message protocol, which is not an Internet standards track protocol is called SNMPv2c and is described in RFC 1901 [RFC1901] and RFC 1906 [RFC1906]. The third version of the message protocol is called SNMPv3 and is described in RFC 1906 [RFC1906], RFC 2572 [RFC2572] and RFC 2574 [RFC2574].
- Protocol operations for accessing management information. The first set of protocol operations and associated PDU formats is described in STD 15, RFC 1157 [RFC1157]. A second set of protocol operations and associated PDU formats is described in RFC 1905 [RFC1905].
- A set of fundamental applications is described in RFC 2573 [RFC2573]. The view-based access control mechanism is described in RFC 2575 [RFC2575]. A more detailed introduction to the current SNMP Management Framework can be found in RFC 2570 [RFC2570].

The Simple Network Management Protocol is a protocol for Internet network management services. It is formally specified in a series of related RFC documents.

(Some of these RFCs are in "historic" or "informational" status)

- RFC 1067 A Simple Network Management Protocol
- RFC 1089 SNMP over Ethernet
- RFC 1140 IAB Official Protocol Standards
- RFC 1147 Tools for Monitoring and Debugging TCP/IP Internets and Interconnected Devices [superceded by RFC 1470]
- RFC 1155 Structure and Identification of Management Information for TCP/IP based Internets.
- RFC 1156 (H)- Management Information Base Network Management of TCP/IP based internets
- RFC 1157 A Simple Network Management Protocol
- RFC 1158 Management Information Base Network Management of TCP/IP based internets: MIB-II
- RFC 1161 (H)- SNMP over OSI
- RFC 1187 Bulk Table Retrieval with the SNMP
- RFC 1212 Concise MIB Definitions

- RFC 1213 Management Information Base for Network Management of TCP/IP-based internets: MIB-II
- RFC 1215 (I)- A Convention for Defining Traps to be used with the SNMP
- RFC 1224 Techniques for Managing Asynchronously-Generated Alerts
- RFC 1270 (I)- SNMP Communication Services
- RFC 1303 (I)- A Convention for Describing SNMP-based Agents
- RFC 1470 (I)- A Network Management Tool Catalog
- RFC 1298 SNMP over IPX (obsolete, see RFC 1420)
- RFC 1418 SNMP over OSI
- RFC 1419 SNMP over AppleTalk
- RFC 1420 SNMP over IPX (replaces RFC 1298)

SNMPv1 is historic and SNMPv3 is now standard and is described by

RFCs 3410-3418 (note: 3410 is informational)

What do SNMPv1 and SNMPv2 have to do with SMIv1 and SMIv2?

SNMPv1 and SNMPv2 are transport protocols to carry MIB information, while SMIv1 and SMIv2 only specify the grammar by which SNMP MIBs are written. In fact, there is an SNMPv3 protocol definition, which relies on SMIv2.

What is MIB?

An MIB is not a database but a file written in a specific language that lists variables. It assigns each variable a name, a number, and a set of permissions. It may also provide a description of what the variable is supposed to represent. Since everything in SNMP is a "simple" action on a variable, this is important.

The MIB files define a hierarchy. Each MIB variable is a leaf in the MIB tree. So how are names translated into numbers that the device will understand? In the MIB tree, each level is responsible for numbering itself in relation to the level above. .1.3.6.1.2.1.1.1 But that is not quite all. There can actually be many instances of the same variable on any single device, and so you must specify an instance number with any request.

To obtain values of objects from the agent, you need to specify the instance of the object. Appending an instance index to the object identifier specifies the instance of an object. For example, the last 0 in: **.iso.3.dod.1.mgmt.mib.1.sysUpTime.0** is the instance index. An instance index of "0" (zero) specifies the first instance, "1" specifies the second instance, and so on. Since sysUpTime is a scalar object, it has only one instance. Therefore, an instance index of zero is always specified when retrieving the

value of a scalar object. An instance index higher than 0 can only be used in the case of columnar objects (in table), which can have multiple instances.

MIB-II Tree

MIB variables have to be simple elements because of the purpose of the SNMP. Therefore, these variables are elementary stand-alone quantities, integers, octet strings, or object identifiers. Sometimes, these variables are organized into tables.

The tree of MIB variables does not have limits; it can grow and grow. Therefore, it is not surprising that definitions need to be improved or updated occasionally. If the improvement involves a major change, an updated version of the MIB will simply define a completely new variable and mark the old one as deprecated or outright obsolete.

Eleven groups are referenced in the original MIB-II document (RFC 1213). One of these, CMOT (ISO Common Management Information on top of TCP/IP) is no longer used because this project was abandoned. The 10 remaining groups describe the basic information required to manage a TCP/IP Internet.



Groups of MIB-II

Refer the following links for detailed information on MIB-II groups.

- System group (1.3.6.1.2.1.1) Defines a list of objects that pertain to system operation, such as the system uptime, system contact, and system name.
- Interfaces group (1.3.6.1.2.1.2) Keeps track of the status of each interface on a managed entity. The interfaces group monitors, which interfaces are up or down and track such things as octets sent and received errors and discards, etc.
- <u>Address Translation group (1.3.6.1.2.1.3)</u> The address translation (at) group is deprecated and is provided only for backward compatibility. It will probably be dropped from MIB-III.
- Internet Protocol group (1.3.6.1.2.1.4) Keeps track of many aspects of IP, including IP routing.

- Internet Control Message Protocol group (1.3.6.1.2.1.5) Tracks things such as ICMP errors, discards, etc.
- Transmission Control Protocol group (1.3.6.1.2.1.6) Tracks, among other things, the state of the TCP connection (e.g., closed, listen, synSent, etc.).
- <u>User Datagram Protocol group (1.3.6.1.2.1.7)</u> Tracks UDP statistics, datagrams in and out, etc.
- Exterior Gateway Protocol group (1.3.6.1.2.1.8) Tracks various statistics about EGP and keeps an EGP neighbor table.
- <u>SNMP group (1.3.6.1.2.1.11)</u> Measures the performance of the underlying SNMP implementation on the managed entity and tracks things such as the number of SNMP packets sent and received.
- Transmission group (1.3.6.1.2.1.10) There are currently no objects defined for this group, but other media-specific MIBs are defined using this subtree.

SNMPv1 Datatypes

SNMP uses the following basic ASN.1 datatypes as the most important ones:

Datatype	Description
INTEGER	A 32-bit number often used to specify enumerated types within the context of a single managed object. For example, the operational status of a router interface can be up, down, or testing. With enumerated types, 1 would represent up, 2 down, and 3 testing. The value zero (0) must not be used as an enumerated type, according to RFC 1155.
OCTET STRING	A string of zero or more octets (more commonly known as bytes) generally used to represent text strings, but also sometimes used to represent physical addresses.

Datatype	Description
Counter	A 32-bit number with minimum value 0 and maximum value 232 - 1 (4,294,967,295). When the maximum value is reached, it wraps back to zero and starts over. It's primarily used to track information such as the number of octets sent and received on an interface or the number of errors and discards seen on an interface. A Counter is monotonically increasing, in that its values should never decrease during normal operation. When an agent is rebooted, all Counter values should be set to zero. Deltas are used to determine if anything useful can be said for successive queries of Counter values. A delta is computed by querying a Counter at least twice in a row, and taking the difference between the query results over some time interval.
OBJECT IDENTIFIER	A dotted-decimal string that represents a managed object within the object tree. For example, 1.3.6.1.4.1.9 represents Cisco Systems' private enterprise OID.
NULL	Not currently used in SNMP.
SEQUENCE	Defines lists that contain zero or more other ASN.1 datatypes.
SEQUENCE OF	Defines a managed object that is made up of a SEQUENCE of ASN.1 types.
lpAddress	Represents a 32-bit IPv4 address. Neither SMIv1 nor SMIv2 discusses 128-bit IPv6 addresses; this problem will be addressed by the IETF's SMI Next Generation (SMING) working group (see http://www.ietf.org/html.charters/sming-charter.html).
NetworkAddress	Same as the IpAddress type, but can represent different network address types.
Gauge	A 32-bit number with minimum value 0 and maximum value 2^{32} - 1 (4,294,967,295). Unlike a Counter, a Gauge can increase and decrease at will, but it can never exceed its maximum value. The interface speed on a router is measured with a Gauge.
TimeTicks	A 32-bit number with minimum value 0 and maximum value 2^{32} - 1 (4,294,967,295). TimeTicks measures time in hundredths of a second. Uptime on a device is measured using this datatype.
Opaque	Allows any other ASN.1 encoding to be stuffed into an OCTET STRING.

SNMPv2 Datatypes

SNMP uses the following basic ASN.1 datatypes as the most important ones:

Datatype	Description
Integer32	Same as an INTEGER.
Counter32	Same as a Counter.
Gauge32	Same as a Gauge.
Unsigned32	Represents decimal values in the range of 0 to 2 ³² - 1 inclusive.
Counter64	Similar to Counter32, but its maximum value is 18,446,744,073,709,551,615. Counter64 is ideal for situations in which a Counter32 may wrap back to 0 in a short amount of time.
BITS	An enumeration of nonnegative named bits.

SNMPv2 Object Definition Enhancements

Table 20

Object Definition Enhancements	Description
UnitsParts	A textual description of the units (i.e., seconds, milliseconds, etc.) used to represent the object.
MAX-ACCESS	An OBJECT-TYPE's ACCESS can be MAX-ACCESS in SNMPv2. The valid options for MAX-ACCESS are read-only, read-write, read-create, not accessible, and accessible-for-notify.
STATUS	This clause has been extended to allow the current, obsolete, and deprecated keywords. current in SNMPv2 is the same as mandatory in an SNMPv1 MIB.
AUGMENTS	In some cases it is useful to add a column to an existing table. The AUGMENTS clause allows you to extend a table by adding one or more columns, represented by some other object. This clause requires the name of the table the object will augment.

Textual conventions for SMIv2

Textual Convention	Description
DisplayString	A string of NVT ASCII characters. A DisplayString can be no more than 255 characters in length.
PhyAddress	A media- or physical-level address, represented as an OCTET STRING.
MacAddress	Defines the media-access address for IEEE 802 (the standard for local area networks) in canonical order. (In everyday language, this means the Ethernet address.) This address is represented as six octets.
TruthValue	Defines both true and false Boolean values.
TestAndIncr	Used to keep two management stations from modifying the same managed object at the same time.
AutonomousType	An OID used to define a subtree with additional MIB- related definitions.
VariablePointer	A pointer to a particular object instance, such as the ifDescr for interface 3. In this case, the VariablePointer would be the OID ifDescr.3.
RowPointer	A pointer to a row in a table. For example, ifIndex.3 points to the third row in the ifTable.
RowStatus	Used to manage the creation and deletion of rows in a table, since SNMP has no way of doing this via the protocol itself. RowStatus can keep track of the state of a row in a table, as well as receive commands for creation and deletion of rows. This textual convention is designed to promote table integrity when more than one manager is updating rows. The following enumerated types define the commands and state variables: active(1), notInService(2), notReady(3), createAndGo(4), createAndWait(5), and destroy(6).
TimeStamp	Measures the amount of time elapsed between the device's system uptime and some event or occurrence.
TimeInterval	Measures a period of time in hundredths of a second. TimeInterval can take any integer value from 0- 2147483647.
DateAndTime	An OCTET STRING used to represent date-and-time information.
StorageType	Defines the type of memory an agent uses. The possible values are other(1), volatile(2), nonVolatile(3), permanent(4), and readOnly(5).
Tdomain	Denotes a kind of transport service.

Textual Convention	Description
TAddress	Denotes the transport service address. TAddress is defined to be from 1-255 octets in length.

UDP

UDP has been chosen and recommended for SNMP transport protocol. Initially, SNMP was targeted at managing Internet nodes and the predominant Internet protocol suite TCP/IP. The choice of TCP/IP suite is viable because IP became the protocol for commercial backbone networks and users can count on a TCP/IP implementation available on any type of host and router.

TCP and UDP provide transport services. However, UDP was preferred. This is due to TCP characteristics, it is a complicate protocol and it consume to many memory and CPU resources, whereas UDP is easy to build and run. Vendors have built simple versions of IP and UDP in devices (repeaters and modems). Thus the total software needed is small and can be stored in a ROM. UDP is well suited to the brief request / response message used in network management communication.

The SNMP protocol is UDP-based. Each message is sent in an atomic UDP packet. From RFC1157: "A message consists of a version identifier, an SNMP community name, and a protocol data unit (PDU)." Version is the SNMP version, community name is the password, and a PDU is just data.

SNMP PDU

There are five types of PDUs: Authorization

- Get-request is used to request the values of one or more MIB variables.
- Get-next-request is used to read variable values in the MIB sequentially. It
 is often used to read though a table of values. After a first read with the getrequest, get-next-request is used to read the remaining rows.
- Set-request is used to update an MIB value.
- Get-response is returned as an answer to a get-request, a get-next-request or set-request message.
- Trap is used to support significant events (e.g. a cold or a warm restart or a link that has gone down).

MibCompiler / Browser

The MibCompiler is a standard framework to compile and store MIB files that are represented in ASN1.0 format to a binary format. This manner of storing the MIB documents makes it easier to parse the document and represent it in a user understandable format.

The MIB Browser is an indispensable tool that can walk the user through the MIB trees, view MIB tables, search MIBs, remotely modify SNMP values, and perform many other SNMP functions.

The most critical part of a MIB Browser is the number of standard and proprietary MIBs it supports. Without the correct MIBs, the data collected from a remote device is difficult to interpret and use. TTW MIB Browser is shipped with over 10,000 precompiled unique OIDs from hundreds of standard and vendor MIBs.

Scope

The MibCompiler supports the following features.

- Parse the ASN format (.mib) file and convert it to a binary format
- Retrieve the different objects (Mib Objects/Traps) from the MIB file
- A Viewer is available to facilitate viewing the contents of the MIB file in a user understandable format
- Multiple MIBs can be compiled and stored in a single file
- Support nested compilation, collection of standard mibs along with installation.
- Caching compiled and imported mibs for interconnected MIB compilation.
- Providing help on all the above features

References and Terminology

The term MIB stands for Management Information Base, which is an integral part of the SNMP architecture. The MIB is a storage area for the resources being monitored. The description of this information is represented in an ASN1.0 format file. The MibCompiler parses these files in order to generate an output that can be used by the Manager System to procure information from the remote system's MIB.

Architectural Overview

The MibCompiler has the following components.

- A customized parser that parses the MibComp generated output file
- A Program to configure Alerts, License etc
- A Viewer to browse through the contents of the Mib File

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Note

The Parser API library from MibComp is used for parsing the (.mib) file.



The **MibCompiler** is used to compile MIB modules (and therefore, the trap definitions) and store into a binary file. The Manager when it receives a trap can lookup the trap definitions and use them to translate the trap into a user-friendly format before inserting into the Database. These translations are used by the Manager Console to show the trap information in a friendly format.

The **Mib GUI** is used to display the compiled contents of the MIB components in a user readable format. Multiple MIB components can be seen simultaneously.

Functional Definition

- Compile the Mib modules using the MibComp Compiler libraries to generate an intermediate format.
- Parse this intermediate format and convert it to a user comprehendible format that can be used by the TrapTracker and the Mib Console to display the Mib.



Figure 87 Architectural Overview

Starting MibCompiler

This option enables you to start MibCompiler.

To start MibCompiler

1 Double-click TrapTracker on the Control Panel.

TrapTracker displays the TrapTracker Manager console.

TrapTracker Manager Console - Demo										
File Edit View Options	Reports Tools	Window Help								
😭 🛛 🛅 Trap Categories	🗸 Alerts 🎽	Filters 🗮 Report 🢡								
📫 All Traps										- 0:
Date / Time	Source	Trap Name	Varial	oles						
8/25/2005 4:42:44 PM	192.168.1.6	1.3.6.1.4.1.7011.1.1	vb1=	124968363, vb	2=2005-08-25 16:42	:43, vb3=GIJOE, v	b4=6, vb5=586, osver	5, Service Pack	4, vb6=192.168.1.6	
8/25/2005 4:42:44 PM	192.168.1.6	1.3.6.1.4.1.7011.1.2	vb1=3	34, vb2=112496	8363, vb3=2005-08-	25 16:42:43, vb4=	GIJOE, vb5=1, vb6=2,	vb7=EventTrack	er, vb8=2, vb9=320	r1, –
8/25/2005 4:42:44 PM	192.168.1.6	1.3.6.1.4.1.7011.1.2	vb1=	35, vb2=112496	8363, vb3=2005-08-	25 16:42:43, vb4=	GIJOE, vb5=3, vb6=3,	vb7=EventTrack	er, vb8=2, vb9=322	1,
8/25/2005 4:42:45 PM	192.168.1.6	1.3.6.1.4.1.7011.1.2	vb1=3	36, vb2=112496	8363, vb3=2005-08-	25 16:42:43, vb4=	GIJOE, vb5=3, vb6=3,	vb7=EventTrack	er, vb8=2, vb9=322	1,
8/25/2005 4:42:45 PM	192.168.1.6	1.3.6.1.4.1.7011.1.2	vb1=3	37, vb2=112496	8363, vb3=2005-08-	25 16:42:43, vb4=	GIJOE, vb5=3, vb6=3,	vb7=EventTrack	er, vb8=2, vb9=322	1,
8/25/2005 4:42:45 PM	192.168.1.6	1.3.6.1.4.1.7011.1.2	vb1=	8, vb2=112496	8363, vb3=2005-08-	25 16:42:43, vb4=	GIJOE, vb5=3, vb6=3,	vb7=EventTrack	er, vb8=2, vb9=322	1,
8/25/2005 4:42:46 PM	192.168.1.6	1.3.6.1.4.1.7011.1.2	vb1=3	9, vb2=112496	8363, vb3=2005-08-	25 16:42:43, vb4=	GIJOE, vb5=1, vb6=3,	vb7=EventTrack	er, vb8=2, vb9=322	3,
8/25/2005 4:42:46 PM	192.168.1.6	1.3.6.1.4.1.7011.1.2	vb1=4	10, vb2=112496	8363, vb3=2005-08-	25 16:42:43, vb4=	GIJOE, vb5=1, vb6=3,	vb7=EventTrack	er, vb8=2, vb9=322	3,
8/25/2005 4:42:46 PM	192.168.1.6	1.3.6.1.4.1.7011.1.2	vb1=4	1, vb2=112496	8363, vb3=2005-08-	25 16:42:43, vb4=	GIJOE, vb5=1, vb6=3,	vb7=EventTrack	er, vb8=2, vb9=322	3,
8/25/2005 4:42:47 PM	192.168.1.6	1.3.6.1.4.1.7011.1.2	vb1=4	l2, vb2=112496	8363, vb3=2005-08-	25 16:42:43, vb4=	GIJOE, vb5=1, vb6=3,	vb7=EventTrack	er, vb8=2, vb9=322	3,
8/25/2005 4:42:47 PM	192.168.1.6	1.3.6.1.4.1.7011.1.2	vb1=4	l3, vb2=112496	8363, vb3=2005-08-	25 16:42:43, vb4=	GIJOE, vb5=1, vb6=3,	vb7=EventTrack	er, vb8=2, vb9=322	3,
8/25/2005 4:42:47 PM	192.168.1.6	1.3.6.1.4.1.7011.1.2	vb1=4	14, vb2=112496	8363, vb3=2005-08-	25 16:42:43, vb4=	GIJOE, vb5=1, vb6=3,	vb7=EventTrack	er, vb8=2, vb9=322	3,
8/25/2005 4:42:48 PM	192.168.1.6	1.3.6.1.4.1.7011.1.2	vb1=4	15, vb2=112496	8363, vb3=2005-08-	25 16:42:43, vb4=	GIJOE, vb5=1, vb6=3,	vb7=EventTrack	er, vb8=2, vb9=322	3,
O 0 / 0 E / 000E A.A.2.40 DM	19216916	1.3.6.1.4.1.7011.1.2	vb1=4	16, vb2=112496	8363, vb3=2005-08-	25 16:42:43, vb4=	GIJOE, vb5=1, vb6=3,	vb7=EventTrack	er, vb8=2, vb9=322	6,
🛛 🗢 072072000 4:42:48 PM	152.100.1.0									
8/25/2005 4:42:48 PM 8/25/2005 4:42:48 PM	192.168.1.6	1.3.6.1.4.1.7011.1.2	vb1=4	7, vb2=112496	8363, vb3=2005-08-	25 16:42:43, vb4=	GIJOE, vb5=1, vb6=3,	vb7=EventTrack	er, vd8=2, vd9=322	6,
 672572005 4:42:48 PM 872572005 4:42:48 PM 872572005 4:42:48 PM 872572005 4:42:49 PM 	192.168.1.6 192.168.1.6	1.3.6.1.4.1.7011.1.2	vb1=- vh1=-	17, vb2=112496 18_vb2=112496	8363, vb3=2005-08- 8363_vb3=2005-08-	25 16:42:43, vb4= 25 16:42:43, vb4=	GIJOE, vb5=1, vb6=3, GLIOF vb5=1 vb6=3	vb7=EventTrack vh7=EventTrack	:er, vb8=2, vb9=322 :er vh8=2 vh9=322	6 6 1
 672572005 4:42:48 PM 8/25/2005 4:42:48 PM 8/25/2005 4:42:49 PM Maximum Traps Shown: 10 	192.168.1.6 192.168.1.6 192.168.1.6 00 Selected Traj	1.3.6.1.4.1.7011.1.2 1.3.6.1.4.1.7011.1.2 p: 1 Total Traps In Win	vb1=4 vh1=4 dow: 131	17, vb2=112496 18. vb2=112496	8363, vb3=2005-08- 8363 vb3=2005-08-	25 16:42:43, vb4= 25 16:42:43, vb4=	GIJOE, vb5=1, vb6=3, GLIOF vb5=1 vb6=3	vb7=EventTrack vh7=EventTrack	:er, vb8=2, vb9=322 :er, vb8=2, vb9=322	6, 6
or 20/2000 4:42/48 PM or 20/2000 4:42/48 PM or 8/25/2005 4:42:48 PM Aximum Traps Shown: 10 systems	192.168.1.6 192.168.1.6 192.168.1.6 00 Selected Tra	1.3.6.1.4.1.7011.1.2 1.3.6.1.4.1.7011.1.2 p: 1 Total Traps In Win	vb1=4 vh1=4 dow: 131	17, vb2=112496 18. vh2=112496	8363, vb3=2005-08- 8363 vb3=2005-08-	25 16:42:43, vb4= 25 16:42:43 vh4=	GIJOE, vb5=1, vb6=3, GLIOF vh5=1 vh6=3	vb7=EventTrack vh7=EventTrack	er, vb8=2, vb9=322 er vh8=2 vh9=322	6, 6 1
or 20/2000 4:42/48 PM or 20/2000 4:42/48 PM or 20/2005 4:	192.168.1.6 192.168.1.6 192.168.1.6 00 Selected Tra	1.3.6.1.4.1.7011.1.2 1.3.6.1.4.1.7011.1.2 p: 1 Total Traps In Win	vb1=- vh1=- dow: 131	17, vb2=112496 18 vh2=112496 Critical	8363, vb3=2005-08- 8363, vb3=2005-08- 8364, vb3=2005-08- 8364, vb3=2005-08- 8364, vb3=2005-08- 8364, vb3=2005-08- 8364, vb3=2005-08- 8364, vb3=2005-08- 8364, vb3=2005-08- 8365, vb3=2005-08- 855, vb3=2005-0005-000000-0000-000	25 16:42:43, vb4= 25 16:42:43, vb4= Major	GUOE, vb5=1, vb6=3, GUOE vb5=1 vb6=3	vb7=EventTrack vb7=EventTrack Minor	er, vb8=2, vb3=322 er vb8=2 vb9=322 	6, 6 1
	192.168.1.6 192.168.1.6 192.168.1.6 00 Selected Tra	1.3.6.1.4.1.7011.1.2 1.3.6.1.4.1.7011.1.2 p: 1 Total Traps In Win	vb1=- vh1=- dow: 131 IP Address 192.168.1.6	17, vb2=112496 18, vh2=112496 Critical	8363, vb3=2005-08- 8363 vb3=2005-08- Warning 0	25 16:42:43, vb4= 25 16:42:43, vb4= Major 0	GLIDE, vb5=1, vb6=3, GLIDE vb5=1 vb6=3 Information 0	vb7=EventTrack vb7=EventTrack Minor 0	er, vb8=2, vb9=322 er, vb8=2, vb9=322 	:6, :6
	192.168.1.6 192.168.1.6 192.168.1.6 00 Selected Trap	1.3.6.1.4.1.7011.1.2 1.3.6.1.4.1.7011.1.2 p: 1 Total Traps In Win	vb1=- vh1=- dow: 131 IP Address 192.168.1.6	17, vb2=112496 18 vh2=112496 0 0	8363, vb3=2005-08- 8363 vb3=2005-08- Warning 0	2516:42:43, vb4= 2516:42:43, vb4= 	GIJOE, vb5=1, vb6=3, GLIDE vb5=1, vb6=3 Unformation	vb7=EventTrack vh7=EventTrack Minor 0	er vh8=2 vh9=322 er vh8=2 vh9=322 	6, 6
or 2072/000 91:824 481 PM of 8/25/2005 4:42 48 PM of 8/25/2005 4:42 48 PM Maximum Traps Shown: 10 11 Systems System Name gijoe. Toons. local	192.168.1.6 192.168.1.6 192.168.1.6 00 Selected Tra	1.3.6.1.4.1.7011.1.2 1.3.6.1.4.1.7011.1.2 p: 1 Total Traps In Win	vb1=/ vb1=/ dow: 131 IP Address 192.168.1.6	17, vb2=112496 18 vb2=112496 10 Critical	8363, vb3=2005:08- 8383 vb3=2005:08- 0 0	2516:42:43, vb4= 2516:42:43 vb4= 	GIJOE, vb5=1, vb6=3, GLIDE vb5=1 vb6=3 Information	vb7=EventTrack vh7=EventTrack Minor 0	er vh8=2 vh9=322 er vh8=2 vh9=322 Clear 131	6, 6
or 2022005 9184 248 PM g8252/2005 442 48 PM g8252/2005 442 48 PM Maximum Traps Shown: 10 respective System Sources System Name gipe: Toons.local	192.168.1.6 192.168.1.6 192.168.1.6 00 Selected Tra	1.3.6.1.4.1.7011.1.2 1.3.6.1.4.1.7011.1.2 p: 1 Total Traps In Win	vb1=4 vh1=4 dow: 131 IP Address 192.168.1.6	17, vb2=112496 18 vb2=112496 Critical	8363, vb3=2005-08- 8363 vb3=2005-08- Warning 0	2516:42:43, vb4= 2516:42:43, vb4= 	GUDE, vb5=1, vb6=3, GUDE vb5=1 vb6=3	vb7=EventTrack vh7=EventTrack	er, vbs=, vbs=, vbs=, sz2 er, vh8=2 vh9=322 	- -
or 27 2005 4:2:48 PM B 2/52/025 4:2:48 PM B 2/52/025 4:2:48 PM Maximum Trape Showr: 10 11 Systems System Name gipe. Toons.local	192.168.1.6 192.168.1.6 192.168.1.6 192.168.1.6 00 Selected Trap	1.3.6.1.4.1.7011.1.2 1.3.6.1.4.1.7011.1.2 p: 1 Total Traps In Win	vb1=/ vh1=/ dow: 131 IP Address 192.168.1.6	17, vb2=112496 18: vh2=112496 0 0	8363, vb3=2005:08- 8363 vb3=2005:08- Warning 0	2516:42:43, vb4= 2516:42:43, vh4= 	GLIDE, vb5=1, vb6=3, GLIDE vb5=1 vb6=3	vb7=EventTrack vh7=EventTrack	er vh8=2 vh9=322 er vh8=2 vh9=322 Clear 131	- C
or 2020 2020 4 4 2 48 PM B X/25/2020 4 4 2 48 PM Maximum Traps Shown: 10 Systems System Name gijoe. Toons.local	192.168.1.6 192.168.1.6 192.168.1.6 00 Selected Tra	1.3.6.1.41.7011.1.2 1.3.6.1.41.7011.1.2 1.3.6.1.41.7011.1.2 1.7.0141 Traps In Win	vb1=: vh1=: dow: 131 IP Address 192.168.1.6	17, vb2=112496 18, vh2=112496 Critical	8363, vb3=2005-08- 8363 vb3=2005-08- Warning 0	25 16:42:43, vb4= 25 16:42:43, vb4= 	GLIDE, vb5=1, vb6=3, GLIDE vb5=1 vb6=3 Information 0	vb7=EventTrack vh7=EventTrack	rer vhR=2 vhR=322 rer vhR=2 vhR=322 	:6, :6
or 2020 2005 442.48 PM BX252005 442.48 PM Maximum Traps Shown: 10 df Systems System Name gipe: Toons.local	192.168.1.6 1 192.168.1.6 00 Selected Tra	1.3.6.1.4.1.7011.1.2 1.3.6.1.4.1.7011.1.2 p: 1 Total Traps In Win	vb1= vh1= dow: 131 IP Address 192.168.1.6	17, vb2=112496 18, vh2=112496 Critical 0	8363, vb3=2005-08- 8363, vb3=2005-08- Warning 0	25 16:42:43, vb4= 25 16:42:43, vb4= 	GLIDE, vb5=1, vb6=3, GLIDE vb5=1 vb6=3 Information 0	vb7=EventTrack vh7=EventTrack	er vh8=2 vh3=322 er vh8=2 vh3=322 Clear 131	:6, :6
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or 2020 2005 442.48 PM Ø 25/25/015 442.48 PM Maximum Traps Showr: 10 Maximum Traps Showr: 10 System Name @ gipe: Toons.local	192.168.16 192.168.16 192.968.16 00 Selected Tra	136141701112 136141701112 1 Total Traps In Win	vb1=: vh1=: dow: 131 IP Address 192.168.1.6	17, vb2=112496 18, vh2=112496 Critical 0	8363, vb3-2005-08- 8363, vb3-2015-08- Warning 0	25 16:42:43, vb4= 25 16:42:43, vb4= 0	GLIDE, v65=1, v66=3, GLIDE v65=1 v66=3 Information 0	vb7=EventTrack vh7=EventTrack	ef, Voez, V	:6, 6
or 2020 2005 42:48 PM @ 8/25/2015 42:48 PM @ 8/25/2015 42:49 PM Maximum Traps Shown: 10 df Systems System Name @ gipe. Toons.local	192.168.1.6 192.168.1.6 192.158.1.6 00 Selected Tra	1.3614.17011.12 1.3614.170111.2 1.3614.170111.2 1.1 [Total Traps In Win	vb1=- vh1=- dow: 131 IP Address 192.168.1.6	17, vb2=112496 R vh2=112496	8363, vh3=2005-08- 8363, vh3=2015-08- Warning 0	25 16:42:43, vb4= 25 16:42:43, vb4= Major 0	GLUDE, vb5=1, vb6=3, GLINE vb5=1 vb6=3 Information 0	vb7=EventTack vh7=EventTrack	ef, voe-2, voe-322 er vH=2 vH=322 Clear 131	:6, 6
♥ or 27 2005 4:248 PM Ø 8/25/2005 4:248 PM Waximum Traps Showr: 10 11 Systems System Name Ø gijoe. Toons local	192.168.16 192.168.16 192.168.16 192.168.16 Selected Tra	1.36.1.4.17011.12 136.14.17011.12 p:1 Total Traps In Win	vb1=: vh1=: dow:131 IP Address 132.168.1.6	17, vb2=112496 R vh2=112496 I Critical 0	8363, vh3=2005-08- 8363, vh3=2015-08- Warning 0	25 16:42:43, vb4= 25 16:42:43 vh4= 	GLUDE, vh5=1, vh6=3, GLUDE vh5=1 vh6=3 Information 0	vb7=E ventTack vh7=E ventTack	er, vto=2, vto=3,22 er, vts=2 vts=322 Clear 131	-
or 2020 2005 42:48 PM 8 8/25/2015 42:24 PM Maximum Traps Shown: 10 df Systems System Name gijos. Toons.local	192.168.1.6 192.168.1.6 192.168.1.6 00 Selected Tra	1.3614.17011.12 136141701112 1 Total Traps In Win	vb1=/ vh1=/ dow:131	7, vb2=112496 18 vh2=112496 0 0	8363, vh3=2005-08- 8363, vh3=2005-08- Wearning 0	25 16:42:43, vb4= 25 16:42:43 vh4= 	GUDE, vb5=1, vb6=3, GUDE vb5=1 vb6=3 Information 0	vb7=E ventTack vh7=E ventTrack	er vhl=2 vhl=322	6, 6
● 0/27/2005 4/22.48 PM ● 8/27/2015 4/22.48 PM Maximum Traps Shown: 10 ● Systems System Name ● gijoe. Toons local	192.168.16 192.168.16 192.168.16 192.6ected Tra	1.36.14.17011.1 136.14.17011.1 p:1 Total Traps In Win	vb1== vh1== dow: 131 IP Address 192.168.1.6	17, vb2=112496 18 vh2=112496 20 0	8363, vb3-2005-06- 8363, vb3-2005-06- VVaning 0	25 16:42:43, vb4= 25 16:42:43 vb4= 0	GUDE, vb5=1, vb6=3, GUNE vb5=1 vb6=3 Information 0	vb7=E ventTack vh7=E ventTrack	(F, Vois-2, Vois-322, Vois-322, Vois-322)	
or 2020 2005 42:48 PM 8 8/25/2015 42:48 PM Maximum Traps Showr: 10 fl Systems System Name gipe: Toons.local	192-168.1.6 192-168.1.6 192-168.1.6 00 Selected Tra	1.361.41.7011.12 1.361.41.7011.9 1.361.41.7011.9 1.1 [Total Trape In Win	vb1== vh1== dow:131 IP Address 192:168:1.6	17, vb2=112496 18, vh2=112496 Critical 0	8363, vh3=2005-08- 8363, vh3=2005-08- Warning 0	25 16:42:43, vb4= 25 16:42:43, vb4= Major 0	GLUDE, vh5=1, vh6=3, GLINE vh5=1 vh6=3 Information 0	Vh7=E ventTrack	ef, Voor-2, Voor-3, 22 er vhile-322 Clear 131	
Ø 3252/026 442.48 PM Ø 82/52/026 442.48 PM Maximum Traps Shown: 10 df Systems System Name Ø gijoe. Toons. local	1 de 1006 10 11 92 168 16 11 97 168 16 00 (Selected Tra	1.36.14.17011.12 136.14.17011.12 p:1 [Total Traps In Win	vb1=: vh1=: dow: 131 IP Address 132.168.1.6	7, vb2+112496 IR vb2=112496 Critical 0	8363, vb3-2005-08- 8363, vb3-2005-08- Vdaming 0	25164243, vb4 25164243, vb4 1000 0 0	GUDE, vb5=1, vb6=3, GUDE vb5=1 vb6=3 Information 0	Minor 0 − −	(F, Voo-2, Voo-322 (F) Vid=2 Vid=322 (Cear 131	
© or 27 2005 4:248 PM © 8/25/2005 4:248 PM Maximum Traps Showr: 10 Yestem Name © gjos. Toons local	1 02:103.0 1192:168.16 00 Selected Tra 00 Selected Tra	1.36.1.4.17011.1.2 136.1 4170111.2 1.3 [1 dta] Trape In Win	vb1= dow:131 IP Address 192:168:1.6	7, vb2=112496 18 vh2=112496 Critical 0	8363, vb3-2005-06- 8363, vb3-2005-06- Warning 0	25164243, vb4- 25164243, vb4- 1000000000000000000000000000000000000	GUDE, vb5=1, vb6=3, GUDE vb5=1 vb6=3 Information 0	Minor 0	(ef, voo=∠, voo=⊥2, voo=_1, v	
• or 20 2005 4 24 8 PM 8/25/2005 4 24 2 8 PM 9/25/2015 4 24 2 8 PM Maximum Traps Shown: 10 fi Systems System Name gijos: Toons local	1 g2 108 16 1 192 108 16 1 192 108 16 00 ∫ Selected Tra Selected Tra	1.3.6.1.4.17011.1.2 1.3.6.1.4.170111.2 1.3.6.1.4.170111.2 1.1 [Total Traps In Win	vb1= vb1= dow:131 IP Address 192:168:1.6	7, vb2-112496 (R vb2-112496) Critical 0	8363, vb3-2005-06- 8363, vb3-2005-06- Warning 0	25 16 42 43, vb4- 25 16 42 43, vb4- 0 0	GLUDE, vb5=1, vb6=3, GLUTE, vb5=1, vb6=3 Information 0	Minor 0	(er, voe.2, voe.322 er visie2 visie2)	

2 From the **Tools** menu, choose **MibCompiler**.

TrapTracker displays the MibCompiler console.

Figure 88 TrapTracker Manager Console

Figure 89	
MibCompiler Console	

🛃 MibCompiler							_ 8 ×
File View Tools Help							
🗀 🖬 🗙 M	_						
Modules 🔺	Details of RFC1065-	SMI					
OLD-CISCO-TCP-MIB	Identifier	Registration	Туре	Access	Status	Description	
OLD-CISCO-TS-MIB	iso	1	objectid	-none-	mandatory		
ULD-UISCU-VINES-MIB	org	iso.3	objectid	-none-	mandatory		
OCDE MID	dod	org.6	objectid	-none-	mandatory		
OSPE-TBAP-MIR	directory	dod. i internet 1	objectid	-none-	mandatory		
PARALLEL-MIB	mant	internet 2	objectid	-none-	mandatory		
P-BRIDGE-MIB	experimental	internet 3	objectid	-none-	mandatory		
PerfHist-TC-MIB	private	internet.4	objectid	-none-	mandatory		
PIM-MIB	enterprises	private.1	objectid	-none-	mandatory		
PINT-MIB							
PMI-Sys-MIB							
PNNI-EXT-MIB							
POD.TRL MIR							
POLICY-FRAMEWORK-PIR							
PowerNet-MIB							
PPP-BRIDGE-NCP-MIB							
PPP-IP-NCP-MIB							
PPP-LCP-MIB							
PPP-SEC-MIB							
Printer-MIB							
O DDIOCE MID							
005.P0LICY.902.PIR							
DOS-POLICY-IP-PIB							
RADIUS-ACC-CLIENT-MIB							
RADIUS-ACC-SERVER-MIB	1						
RADIUS-AUTH-CLIENT-MIB							
RADIUS-AUTH-SERVER-MIB							
RAID-Adapter-MIB							
RAPID-CITY							
RAPIDCITY-VLAN-MIB							
RDBMS-MIB							
	1						
							<u>^</u>
							_
1							v
Status: Ready							

Understanding MibCompiler Console

The GUI contains five parts: Menu bar, Toolbar, Modules window, Module description window, Debugging window and Status bar.

Figure 90

Figure 90	/─ Interbar	/ – Menu ba	ar/ iooidar	Mod	jule descr	iption pane	
MibCompiler Console	MibCompiler	ſ	1	1			
	File View Tools Help		1	1			
	□ ■ × #		·	1			
	Modules	Database of REC1065-SM		1			
	OLD-CISCO-TCP-MI8	Identilier	Registration	Type	Access	Statuo	Description
	OLD-CISCO-TS-MB	iso	1	objectid	none	mandatory	
	OLD-CISCO-XNS-MIB	ceg dead	100.3	objectid	none	mandatory	
	DSPF-MIB	internet	dod.1	objectid	-none-	mandatory	
	DSPF-TRAP-MIB PARALLEL MIR	desctory	internet 1	abjected	-none-	mandatory	
	P-BFIDGE-MB	experimental	internet.2	objectid	-none-	mandatory	
	PedHist-TC-MIB	peiwate	internet 4	objectid	-none-	mandatory	
	PIM-MB	enterprises	private.1	objectid	-none-	mandalory	
	PMI-Sys-MIB						
	PNN/EXT MIB						
	POD.TRLMIR						
	POLICY/FRAMEWORK-PIB						
	PowerNet-MIB						
	PPP-BRIDGENCP-MB PPP-IP-NCP-MB						
	PPP-LCP-MIB						
	PPP-SEC-MIB						
	PTOPO-MIB						
	Q-BRIDGE-MIB						
	QOS-POLICY-802PI8						
	RADIUS ADCICLIENT-MB						
	RADIUS ADC-SERVER-MIB	-					
	RADIUS AUTH-CLIENT-MIB BADIUS AUTH-SERVER-MIR						
	RAID-Adapter-MIB						
	RAPID-CITY						
	RAPIDCITY-VLAN-MIB BDBMS-MIB						
	RECTORS SML	4					
	· ·						
	· · · · · · · · · · · · · · · · · · ·	1					2
		\					
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		\					
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		1			1		
		\					
	Status: Ready				1		
	Statue	har 🖵	Modulee pass			D-1	
	Status		modules pare			vebugging	pane

_____ T = = ||- ==

Title Bar

...

.....

The top strip of MibCompiler window is the Title Bar. The Title Bar shows the name of the application.

Menu Bar

The menu bar contains menus with relevant commands. From the menus, choose appropriate commands or use shortcut keys to execute the commands.

Tool Bar

The toolbar contains buttons with tool tips to perform basic tasks.

Click	То
	Compile a MIB module.
	Save the compiled module(s).
×	Delete the compiled module(s).
#	Search and find a word or phrase in Module Names, OidIdentifiers or Trap Names.

Modules Pane

It's a resizable window; displays sorted list of all the compiled Mib modules.

Module Details Pane

It's a resizable window; displays description of the module selected in Modules window.

Field	Description
Identifier	Objects associated with the selected MIB.
Registration	Hierarchy details of the objects.
Туре	Datatype of the objects:
	table
	row
	counter64
	objectid
	bitstring
	integer
	octectstring
	ipaddress
	Timeticks
Access	Permission on manipulation of objects:
	read-write
	not accessible
	read-only
	counter
	gauge
	-none-
Status	Status of the objects:
	current
	mandatory
	deprecated
Description	Description of the objects.

Debugging Pane

It's a resizable window; displays success / failure status of the compiled MIBs and other debugging information.
Status Bar

Activity status of MibCompiler like Ready, Compiling is displayed here.

Need for MIB Compilation

TTW is incapable of interpreting the traps sent by the SNMP compliant devices in human understandable form when there is no reference to those traps in the bin file. For example, the following figure displays the varBinds associated with their respective traps in the All Traps window, which is incomprehensible to the end-user.

Trap Categories	🖌 Alerts 🎽 Fil	ters 🛒 Report	8							
🕈 All Traps										
Date / Time	Source	Trap Name	Varia	ibles						
4/14/2009 11:17:33	webdoc1.Toon	pmiEventTrap	vb1=	65387, vb2=123	9688053, vb3=2009	-04-14 11:17:33,	vb4=WEBDOC1, vb5=3	2, vb6=5, vb7=Se	curity, vb8=5, vb9=	86
4/14/2009 11:17:35	webdoc1.Toon	pmiEventTrap	vb1=	65388, vb2=123	9688054, vb3=2009	-04-14 11:17:34,	vb4=WEBDOC1, vb5=3	2, vb6=5, vb7=Se	curity, vb8=5, vb9=	86
4/14/2009 11:17:36	webdoc1.Toon	pmiEventTrap	vb1=	65389, vb2=123	9688055, vb3=2009	-04-14 11:17:35,	vb4=WEBDOC1, vb5="	l, vb6=3, vb7=Ev	entTracker, vb8=2,	, vb
4/14/2009 11:17:36	webdoc1.Toon	pmiEventTrap	vb1=	65390, vb2=123	9688055, vb3=2009	-04-14 11:17:35,	vb4=WEBDOC1, vb5="	, vb6=3, vb7=Ev	entTracker, vb8=2,	, vb
4/14/2009 11:17:36	webdoc1.Toon	pmiEventTrap	vb1=	65391, vb2=123	9688056, vb3=2009	-04-14 11:17:36,	vb4=WEBDOC1, vb5="	, vb6=3, vb7=Ev	entTracker, vb8=2,	, vb
4/14/2009 11:17:36	webdoc1.Toon	pmiEventTrap	vb1=	65392, vb2=123	9688056, vb3=2009	-04-14 11:17:36,	vb4=WEBDOC1, vb5="	, vb6=3, vb7=Ev	entTracker, vb8=2,	, vb
4/14/2009 11:17:36	webdoc1.Toon	pmiEventTrap	vb1=	65393, vb2=123	9688056, vb3=2009	-04-14 11:17:36,	vb4=WEBDOC1, vb5="	, vb6=3, vb7=Ev	entTracker, vb8=2,	, vb
4/14/2009 11:17:36	webdoc1.Toon	pmiEventTrap	vb1=	65394, vb2=123	9688055, vb3=2009	-04-14 11:17:35,	vb4=WEBDOC1, vb5=3	2, vb6=5, vb7=Se	curity, vb8=5, vb9=	86
4/14/2009 11:17:37	webdoc1.Toon	pmiEventTrap	vb1=	65395, vb2=123	9688056, vb3=2009	-04-14 11:17:36,	vb4=WEBDOC1, vb5=3	2, vb6=5, vb7=Se	curity, vb8=5, vb9=	86
4/14/2009 11:17:37	webdoc1.Toon	pmiEventTrap	vb1=	65396, vb2=123	9688057, vb3=2009	-04-14 11:17:37,	vb4=WEBDOC1, vb5=3	2, vb6=5, vb7=Se	curity, vb8=5, vb9=	86
4/14/2009 11:17:39	webdoc1.Toon	pmiEventTrap	vb1=	65397, vb2=123	9688058, vb3=2009	04-14 11:17:38,	vb4=WEBDOC1, vb5=3	2, vb6=5, vb7=Se	curity, vb8=5, vb9=	86
A 21 A 20000 11-17-EE	webdoc1 Toon	pmiEventTrap	vb1=	65398, vb2=123	9688074, vb3=2009	-04-14 11:17:54,	vb4=WEBDOC1, vb5=3	2, vb6=5, vb7=Se	curity, vb8=5, vb9=	.00
4/14/2003 11:17:55		The second s								.00
4/14/2009 11:17:55	webdoc1.Toon	pmiEventTrap	vb1=	65399, vb2=123	9688074, vb3=2009	-04-14 11:17:54,	vb4=WEBDOC1, vb5=3	2, vb6=5, vb7=Se	curity, vb8=5, vb9=	86
 4/14/2009 11:17:55 4/14/2009 11:17:55 4/14/2009 11:18:00 	webdoc1.Toon webdoc1.Toon	pmiEventTrap pmiEventTrap	vb1= vb1=	65399, vb2=123 65400, vb2=123	9688074, vb3=2009 9688079, vb3=2009	-04-14 11:17:54, -04-14 11:17:59,	vb4=WEBDOC1, vb5=2 vb4=WEBDOC1, vb5=2	2, vb6=5, vb7=Se 2, vb6=4, vb7=Se	curity, vb8=5, vb9= curity, vb8=5, vb9=	86
4/14/2009 11:17:55 4/14/2009 11:17:55 4/14/2009 11:18:00 4/14/2009 11:18:00 14/14/2009 11:18:00 14ximum Traps Shown: 10	webdoc1.Toon webdoc1.Toon webdoc1.Toon 00 Selected Trap:	pmiEventTrap pmiEventTrap pmiEventTrap 1000 Total Traps I	vb1= vb1= vb1= n Window: 1000	65399, vb2=123 65400, vb2=123 65401, vb2=123	39688074, vb3=2005 39688079, vb3=2005 39688080, vb3=2005	-04-14 11:17:54, -04-14 11:17:59, -04-14 11:18:00,	vb4=WEBDOC1, vb5=; vb4=WEBDOC1, vb5=; vb4=WEBDOC1, vb5=;	2, vb6=5, vb7=Se 2, vb6=4, vb7=Se 2, vb6=4, vb7=Se	curity, vb8=5, vb9= curity, vb8=5, vb9= curity, vb8=4, vb9=	-86 -86 -59 -57
4/14/2009 11:17:55 4/14/2009 11:17:55 4/14/2009 11:18:00 4/14/2009 11:18:00 1aximum Traps Shown: 10 Systems Sustem Name	webdoc1.Toon webdoc1.Toon webdoc1.Toon 00 Selected Trap:	pmiEventTrap pmiEventTrap pmiEventTrap 1000 Total Traps I	vb1= vb1= vb1= n Window: 1000	65399, vb2=123 65400, vb2=123 65401, vb2=123	39688074, vb3=2005 39688079, vb3=2005 39688080, vb3=2005	-04-14 11:17:54, -04-14 11:17:59, -04-14 11:18:00,	vb4=WEBDOC1, vb5=; vb4=WEBDOC1, vb5=; vb4=WEBDOC1, vb5=;	2, vb6=5, vb7=Se 2, vb6=4, vb7=Se 2, vb6=4, vb7=Se	curity, vb8=5, vb9= curity, vb8=5, vb9= curity, vb8=4, vb9=	.86 59 57
4/14/2009 11:17:55 4/14/2009 11:17:55 4/14/2009 11:18:00 1aximum Traps Shown: 10 Systems System Name webdie:1 Teores Issal	webdoc1.Toon webdoc1.Toon webdoc1.Toon 00 Selected Trap:	pmiEventTrap pmiEventTrap pmiEventTrap 1000 Total Traps I	vb1= vb1= vb1= n Window: 1000	65399, vb2=123 65400, vb2=123 65401, vb2=123 0	39688074, vb3=2005 39688079, vb3=2005 39688080, vb3=2005	-04-14 11:17:54, -04-14 11:17:59, -04-14 11:18:00, -04-14 11:18:00,	vb4=WEBDOC1, vb5=: vb4=WEBDOC1, vb5=: vb4=WEBDOC1, vb5=: vb4=WEBDOC1, vb5=: 0	2, vb6=5, vb7=Se 2, vb6=4, vb7=Se 2, vb6=4, vb7=Se Minor	curity, vb8=5, vb9= curity, vb8=5, vb9= curity, vb8=4, vb9= curity, vb8=4, vb9=	-86 -59 -57
4/14/2009 11:17:55 4/14/2009 11:17:55 4/14/2009 11:18:00 4/14/2009 11:18:00 4/14/2	webdoc1.Toon webdoc1.Toon webdoc1.Toon 00 Selected Trap:	pmiEventTrap pmiEventTrap pmiEventTrap 1000 Total Traps I	vb1= vb1= vb1= vb1= n Window: 1000 IP Address 192.168.1.88 192.168.1.88	65399, vb2=123 65400, vb2=123 65401, vb2=123 65401, vb2=123 0 Critical	99688074, vb3=2005 99688079, vb3=2005 99588090, vb3=2005 99588090, vb3=2005	-04-14 11:17:54, -04-14 11:17:59, -04-14 11:18:00, -04-14 11:18:00, -0	vb4=WEBDOC1, vb5=; vb4=WEBDOC1, vb5=; vb4=WEBDOC1, vb5=; vb4=WEBDOC1, vb5=; lnformation 0	2, vb6=5, vb7=Se 2, vb6=4, vb7=Se 2, vb6=4, vb7=Se 0, Minor 0, 0	curity, vb8=5, vb9= curity, vb8=5, vb9= curity, vb8=4, vb9= curity, vb8=4, vb9= Clear 1000	86 59 57
4/14/2005 1117:55 4/14/2005 1117:55 4/14/2005 11:18:00 4/14/2009 11:18:00 aximum Traps Showr: 10 Systems System Name Webdoc1. Toons.local I nemo.toons.local	webdoc1.Toon webdoc1.Toon webdoc1.Toon 00 Selected Trap:	pmiEventTrap pmiEventTrap pmiEventTrap 1000 Total Traps I	vb1= vb1= vb1= n Window: 1000 IP Address 192.168.1.88 192.168.1.62	65399, vb2=123 65400, vb2=123 65401, vb2=123 65401, vb2=123 0 0	19688074, vb3=2005 19688079, vb3=2005 19688080, vb3=2005 19688080, vb3=2005 19688080, vb3=2005 19688080, vb3=2005 1968807, vb3=2005 19688074, vb3=2005	-04-14 11:17:54, -04-14 11:17:53, -04-14 11:18:00, -04-14 11:18:00, -04-14 11:18:00, -0 -0 -0	vb4=WEBD0C1, vb5= vb4=WEBD0C1, vb5= vb4=WEBD0C1, vb5= vb4=WEBD0C1, vb5= 0	2, vb6=5, vb7=Se 2, vb6=4, vb7=Se 2, vb6=4, vb7=Se 2, vb6=4, vb7=Se 0 0	curity, vb8=5, vb9= curity, vb8=5, vb9= curity, vb8=4, vb9= Clear 1000 0	86 59 57
4/14/2005 1117:55 4/14/2005 1117:55 4/14/2005 11:18:00 4/14/2005 11:18:00 4/14/200	webdoc1.Toon webdoc1.Toon webdoc1.Toon 00 Selected Trap:	pmiEventTrap pmiEventTrap 1000 Total Traps I	vb1= vb1= vb1= n Window: 1000 IP Address 192.168.1.88 192.168.1.62	65399, vb2=12: 65400, vb2=12: 65401, vb2=12: 65401, vb2=12: 0 0	99688074, vb3=2005 99688079, vb3=2005 9968800, vb3=2005 9968800, vb3=2005 9968800, vb3=2005 9968800, vb3=2005 9968800, vb3=2005 99688074, vb3=2005 9968074, vb3=2005 99688074, vb3=2005 9968074, vb3=2005 90768074, vb3=2005907674, vb3=2005 907674, vb3=2005	-04-14 11:17:54, -04-14 11:17:59, -04-14 11:18:00, 	vb4=WEBDDC1, vb5=, vb4=WEBDDC1, vb5=, vb4=WEBDDC1, vb5=, (Information 0 0	2, vb6=5, vb7=Se 2, vb6=4, vb7=Se 2, vb6=4, vb7=Se 4 0 0	curity, vb8=5, vb9= curity, vb8=5, vb9= curity, vb8=4, vb9= curity, vb8=4, vb9= Clear 1000 0	86 59 57
4/14/2005 1117:55 4/14/2005 1117:55 4/14/2005 1117:55 4/14/2005 1117:50 4/14/2005 1118:00 4/14/2005 1118:00 4/14/2005 1118:00 4/14/2005 1118:00 4/14/2005 1117:55 4/14/2005 1118:00 4/14/2005 1118:00	webdoc1.Toon webdoc1.Toon webdoc1.Toon 00 Selected Trap:	pmiEventTrap pmiEventTrap pmiEventTrap 1000 Total Traps I	vb1 vb1 vb1 n Window: 1000 IP Address 192.168.1.88 192.168.1.62	65399, vb2=12: 65400, vb2=12: 65401, vb2=12: 0 Critical 0	99688074, vb3=2005 99688079, vb3=2005 996880780, vb3=2005 99680800, vb3=2005 99680800, vb3=2005 99680800, vb3=2005 99680800, vb3=2005 9968074, vb3=2005	-04-14 11:17:54, -04-14 11:17:59, -04-14 11:17:59, -04-14 11:18:00, 	vb4=WEBDDC1, vb5= vb4=WEBDDC1, vb5= vb4=WEBDDC1, vb5= linformation 0 0	2, vb6=5, vb7=Se 2, vb6=4, vb7=Se 2, vb5=4, vb7=Se 2, vb6=4, vb7=Se 0 0	cuity, vb8=5, vb9= cuity, vb8=5, vb9= cuity, vb8=4, vb9= cuity, vb8=4, vb9= clear 1000 0	-56 -59 -57
4/14/2005111/150 4/14/2005111755 4/14/200511118:00 aximum Traps Showr: 10 System Name webdoc1. Toons.local	webdoc1.Toon webdoc1.Toon webdoc1.Toon 00 Selected Trap:	pmEventTrap pmEventTrap pmEventTrap 1000 TotalTraps I	vb1+ vb1+ vb1- vb1- n Window: 1000	65399, vb2=12: 65400, vb2=12: 65401, vb2=12: 0 Critical 0	99688074, vb3=2009 99688079, vb3=2009 99688030, vb3=2009 99688030, vb3=2009 9068030, vb3=2009 0 0	-04-14 11:17:54, -04-14 11:17:59, -04-14 11:17:80, 	vb4=WEBDOC1, vb5=: vb4=WEBDOC1, vb5=: vb4=WEBDOC1, vb5=: 0	2, vb6=5, vb7=Se 2, vb6=4, vb7=Se 2, vb6=4, vb7=Se 0 0	curity, vb8=5, vb9= curity, vb8=5, vb9= curity, vb8=4, vb9= Clear 1000 0	-86 -86 -59 -57
4/14/2005 1117:55 4/14/2005 1117:55 4/14/2005 1118:00 4/14/2006 1118:00 4/14/2006 1118:00 5ystems System Name webdoc1. Toons.local	webdoc1.Toon webdoc1.Toon webdoc1.Toon 00 Selected Trap:	pmiEventTrap pmiEventTrap pmiEventTrap 1000 Total Traps I	vb1+ vb1+ vb1- n Window: 1000 IP Address 192.168.1.88 192.168.1.62	65399, vb2=12: 65400, vb2=12: 65401, vb2=12: 0 Critical 0	99689074, vb3-2005 99688079, vb3-2005 99689090, vb3-2005 99689090, vb3-2005 99689090, vb3-2005 99689090, vb3-2005 906900, vb3-2005 0	-04-14 11:17:54, -04-14 11:17:59, -04-14 11:18:00, 	vb4-wEBDOC1, vb5- vb4-wEBDOC1, vb5- vb4-wEBDOC1, vb5- l Information 0	2, vb6=5, vb7=Se 2, vb6=4, vb7=Se 2, vb6=4, vb7=Se 0 0	curity, vb8=5, vb9= curity, vb8=5, vb9= curity, vb8=5, vb9= curity, vb9=4, vb9= Clear 1000 0	*86 *59 *57
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4/14/2005 111/135 4/14/2005 111/1350 4/14/2005 111/1300 taximum Traps Shown: 10 System Name webdoc1.Toons.local nemo.toons.local	webdac1, Toan webdac1, Toan webdac1, Toan 00 Selected Trap:	pmEventTrap pmEventTrap 1000 Total Traps I	vb1- vb1- vb1- vb1- 1000 IP Address 192,168,1.82	65339. vb2=121 65400. vb2=121 65401. vb2=121 65401. vb2=121 0 0	99688073, vb3-2005 9968073, vb3-2005 9968070, vb3-2005 9076 9076 9076 9076 9076 9076 9076 9076	04-1411:17:54, 04-1411:17:59, 04-1411:17:59 0 0 0	vb4-vvEBD0C1, vb5- vb4-vvEBD0C1, vb5- vb4-vvEBD0C1, vb5- vb4-vvEBD0C1, vb5- 0 0 0 0	2, vb65; vb7-56 2, vb6-4, vb7-56 2, vb6-4, vb7-56 0 0	curity. vb8=5, vb9= curity. vb8=5, vb9= curity. vb8=4 vb9= Clear 1000 0	*86 *59 *57
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But when the Mib module **PMI-Sys-MIB**, which is the enterprise specific Mib is compiled and saved, TrapTracker Manager displays the varBinds associated with that Mib in user comprehensible way.

Figure 91 varBinds before Mib compilation.

Figure 92	varBinds
after Mib	compilation

TrapTracker Manag	ger Console - De	mo								
HIE Edit VIEW Options	Reports Tools	window Help								
Trap Categories	📝 Alerts 🏄 Fil	ters 🛒 Report	¥							
🔺 All Traps										
Date / Time	Source	Trap Name	Vari	ables						<u>^</u>
9 4/14/2009 12:16:29	webdoc1.Toon	pmiEventTrap	evtl	ndex=113, evtTic	ks=1239691588, ev	tLocalTime=2009-	04-14 12:16:28, evtSys	Name=WEBDOC	1, evtLogType=2(log	gS
4/14/2009 12:16:29	webdoc1.Toon	pmiEventTrap	evtl	ndex=114, evtTic	ks=1239691589, ev	tLocalTime=2009-	04-14 12:16:29, evtSys	Name=WEBDOC	1, evtLogType=2(log	gS
9 4/14/2009 12:16:30	webdoc1.Toon	pmiEventTrap	evt	ndex=115, evtTic	ks=1239691589, ev	tLocalTime=2009-	04-14 12:16:29, evtSys	Name=WEBDOC	1, evtLogType=2(log	gS
4/14/2009 12:16:30	webdoc1.Toon	pmiEventTrap	evtl	ndex=116, evtTic	ks=1239691590, ev	tLocalTime=2009-	04-14 12:16:30, evtSys	Name=WEBDOC	1, evtLogType=2(log	gS
4/14/2009 12:16:30	webdoc1.Toon	pmiEventTrap	evtl	ndex=117, evtTic	ks=1239691590, ev	tLocalTime=2009-	04-14 12:16:30, evtSys	Name=WEBDOC	1, evtLogType=2(log	gS
4/14/2009 12:16:30	webdoc1.Toon	pmiEventTrap	evt	ndex=118, evtTic	ks=1239691590, ev	tLocalTime=2009-	04-14 12:16:30, evtSys	Name=WEBDOC	1, evtLogType=2(log	gS
4/14/2009 12:16:32	nemo.toons.local	pmiEventTrap	evtl	ndex=451, evtTic	ks=1239691591, ev	tLocalTime=2009-	04-14 12:16:31, evtSys	Name=NEMO, ev	tLogType=3(logApp	olic
4/14/2009 12:16:32	nemo.toons.local	pmiEventTrap	evt	ndex=452, evtTic	ks=1239691591, ev	tLocalTime=2009-	04-14 12:16:31, evtSys	Name=NEMO, ev	tLogType=2(logSec	sur
4/14/2009 12:16:32	nemo.toons.local	pmiEventTrap	evt	ndex=453, evtTic	ks=1239691592, ev	tLocalTime=2009-	04-14 12:16:32, evtSys	Name=NEMO, ev	tLogType=2(logSec	sur
4/14/2009 12:16:33	nemo.toons.local	pmiEventTrap	evt	ndex=454, evtTic	ks=1239691592, ev	tLocalTime=2009-	04-14 12:16:32, evtSys	Name=NEMO, ev	tLogType=2(logSec	sur
4/14/2009 12:16:33	nemo.toons.local	pmiEventTrap	evt	ndex=455, evtTic	ks=1239691592, ev	tLocalTime=2009-	04-14 12:16:32, evtSys	Name=NEMO, ev	tLogType=2(logSec	sur
4/14/2009 12:16:34	nemo.toons.local	pmiEventTrap	evtl	ndex=456, evtTic	ks=1239691593, ev	tLocalTime=2009-	04-14 12:16:33, evtSys	Name=NEMO, ev	tLogType=2(logSec	sur
4/14/2009 12:16:34	nemo.toons.local	pmiEventTrap	evtl	evtIndex=457, evtTicks=1239691594, evtLocalTime=2009-04-14 12:16:34, evtSysName=NEMO, evtLogType=2(logSecur						
9 4/14/2009 12:16:34	nemo.toons.local	pmiEventTrap	evtl	ndex=458, evtTic	ks=1239691594, ev	tLocalTime=2009-	04-14 12:16:34, evtSys	Name=NEMO, ev	tLogType=2(logSec	;ur
4/14/2009 12:16:34	nemo.toons.local	pmiEventTrap	evtl	ndex=459, evtTic	ks=1239691594, ev	tLocalTime=2009-	04-14 12:16:34, evtSys	Name=NEMO, ev	tLogType=2(logSec	ur 🗡
Maximum Traps Shown: 10	00 Selected Trap:	174 Total Traps In	Window: 174							1.
🔥 Systems										
System Name			IP Address	Critical	Warning	Major	Information	Minor	Clear	
webdoc1.Toons.local			192.168.1.88	0	0	0	0	0	119	
nemo.toons.local			192.168.1.62	0	0	0	0	0	55	
	T 0 0 W 1		v Trans: 0	Total Custome: 2	Total Trans: 174	Tran Pater 40 Tra	n(a) / Minuta			

So it is mandatory to compile the enterprise specific MIBs and save them in bin file.

Compiling a Single MIB Module

This option enables you to compile a single MIB module.

To compile a single MIB module

- 1 Open the MibCompiler console.
- 2 From the File menu, choose Compile one MIB.

(OR)

Press Ctrl + N on your keyboard.

(OR)

Click en the tool bar.

MibCompiler displays "Open MIB file" window.

Figure 93 Open Mib file dialog box.

Open MIB file		? ×
Look jn:	🔁 etwtemp 💽 🔶 🖆 🎫 🗸	
History Desktop My Documents	Agent Installer Templates mip.mib.mib	
My Computer	File name: □ Files of type: MIB files (*.mib, *.my) ▼ Ca □ □ □	pen ncel

- 3 Go to the appropriate folder and select the MIB file that you want to compile.
- 4 Click <u>Open</u>.

MibCompiler displays the confirmation message box.



5 Click **Yes** to start compilation.

TrapTracker displays the compilation success / failure status in the debugging window.

Figure 94 Proceed? message box. Figure 95 MIB compilation status

C:\etwtemp\pmi-sys-mib.mib:98: type 'EvtEntry' of node 'evtEntry' does not resolve to a known base type C:\etwtemp\pmi-sys-mib.mib:135: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:159: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:159: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:167: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:179: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:201: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:201: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:217: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:225: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:226: SEQUENCE element #9 'appUsageEntry' does not resolve to a known base type C:\etwtemp\pmi-sys-mib.mib:226: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:313: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:313: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:321: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:323: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:313: scalar's parent node must be simple node C:\etwtemp\	
C:\etwtemp\pmi-sys-mib.mib:135: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:151: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:151: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:151: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:167: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:173: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:103: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:203: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:203: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:203: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:217: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:225: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:223: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:225: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:225: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:226: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:226: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:226: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:33: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:35: scalar's parent node must be simple node C:\etwtemp\p	C:\etwtemp\pmi-sys-mib.mib:98: type `EvtEntry' of node `evtEntry' does not resolve to a known base type
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C:\etwtemp\pmi-sys-mib.mib:313: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:321: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:337: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:345: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:345: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:345: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:353: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:353: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:351: scalar's parent node must be simple node Select save from menu or toolbar to save the added MIB to disk	C:\etwtemp\pmi-sys-mib.mib:304: scalar's parent node must be simple node
C:\etwtemp\pmi-sys-mib.mib:321: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:329: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:345: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:345: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:353: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:353: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:353: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:351: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:352: scalar's parent node must be simple node C:	C:\etwtemp\pmi-sys-mib.mib:313: scalar's parent node must be simple node
C:\etwtemp\pmi-sys-mib.mib:329: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:337: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:345: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:353: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:353: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:351: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:352: scalar's parent node must be simple node C:	C:\etwtemp\pmi-sys-mib.mib:321: scalar's parent node must be simple node
C:\etwtemp\pmi-sys-mib.mib:337: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:345: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:281: unknown object identifier label `appUsageDescr' C:\etwtemp\pmi-sys-mib.mib:353: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:361: scalar's parent node must be simple node MibComp: compiled module `C:\etwtemp\pmi-sys-mib.mib' with errors/warnings Compiled Successfully: PMI-Sys-MIB mib inserted. Compilation completed Select save from menu or toolbar to save the added MIB to disk	C:\etwtemp\pmi-sys-mib.mib:329: scalar's parent node must be simple node
C:\etwtemp\pmi-sys-mib.mib:345: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:281: unknown object identifier label `appUsageDescr' C:\etwtemp\pmi-sys-mib.mib:353: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:361: scalar's parent node must be simple node MibComp: compiled module `C:\etwtemp\pmi-sys-mib.mib' with errors/warnings Compiled Successfully: PMI-Sys-MIB mib inserted. Compilation completed Select save from menu or toolbar to save the added MIB to disk	C:\etwtemp\pmi-sys-mib.mib:337: scalar's parent node must be simple node
C:\etwtemp\pmi-sys-mib.mib:281: unknown object identifier label `appUsageDesct' C:\etwtemp\pmi-sys-mib.mib:353: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:361: scalar's parent node must be simple node MibComp: compiled module `C:\etwtemp\pmi-sys-mib.mib' with errors/warnings Compiled Successfully: PMI-Sys-MIB mib inserted. Compilation completed Select save from menu or toolbar to save the added MIB to disk	C:\etwtemp\pmi-sys-mib.mib:345: scalar's parent node must be simple node
C:\etwtemp\pmi-sys-mib.mib:353: scalar's parent node must be simple node C:\etwtemp\pmi-sys-mib.mib:361: scalar's parent node must be simple node MibComp: compiled module `C:\etwtemp\pmi-sys-mib.mib' with errors/warnings Compiled Successfully: PMI-Sys-MIB mib inserted. Compilation completed Select save from menu or toolbar to save the added MIB to disk.	C:\etwtemp\pmi-sys-mib.mib:281: unknown object identifier label `appUsageDescr'
C:\etwtemp\pmi-sys-mib.mib:361: scalar's parent node must be simple node MibComp: compiled module `C:\etwtemp\pmi-sys-mib.mib' with errors/warnings Compiled Successfully: PMI-Sys-MIB mib inserted. Compilation completed Select save from menu or toolbar to save the added MIB to disk	C:\etwtemp\pmi-sys-mib.mib:353: scalar's parent node must be simple node
MibComp: compiled module `C:\etwtemp\pmi-sys-mib.mib' with errors/warnings Compiled Successfully: PMI-Sys-MIB mib inserted. Compilation completed Select save from menu or toolbar to save the added MIB to disk	C:\etwtemp\pmi-sys-mib.mib:361: scalar's parent node must be simple node
Compiled Successfully: PMI-Sys-MIB mib inserted. Compilation completed Select save from menu or toolbar to save the added MIB to disk	MibComp: compiled module `C:\etwtemp\pmi-sys-mib.mib' with errors/warnings
Compilation completed Select save from menu or toolbar to save the added MIB to disk	Compiled Successfully: PMI-Sys-MIB mib inserted.
Select save from menu or toolbar to save the added MIB to disk	Compilation completed
	Select save from menu or toolbar to save the added MIB to disk

6 From the File menu, choose Save.

(O	R)
· -	

Press Ctrl + S on your keyboard.

(OR)

Click 🖬 on the tool bar to save.

MibCompiler displays the "Restart Services" confirmation message box.



7 Click <u>Yes</u> to restart the dependent services.

Figure 96 Restart Services message box



MibCompiler displays the newly compiled PMI-sys-MIB in the Modules window.

Figure 97 Partial Modules window OSPF-TRAP-MIB PARALLEL-MIB P-BRIDGE-MIB PerfHist-TC-MIB PIM-MIB PINT-MIB PMI-Sys-MIB PNNI-EXT-MIB PNNI-MIB POD-TBL-MIB POLICY-FRAMEWORK-PIB PowerNet-MIB PPP-BRIDGE-NCP-MIB PPP-IP-NCP-MIB PPP-LCP-MIB PPP-SEC-MIB Printer-MIR

Compiling Multiple MIB Modules

In group compilation mode you can compile a group of related MIB modules. The MibCompiler randomly chooses the MIB modules irrespective of their dependency and compiles iteratively. Consider there are three MIB modules "A", "B" and "C", where "C" has dependency on "B" and in turn "B" has dependency on "A". Suppose TrapTracker compiles "C" first, the compilation will complete with errors since "C" has dependency on "B". But the MIB module that has no reference will get compiled successfully without errors; in this case "A". The MIB modules, which are compiled successfully, will also be compiled for every iteration. You can refer the **gcreport.txt**, which is generated by the MibCompiler for group compilation or the debugging window to get to know what has happened to your MIB modules and compile them iteratively until all the modules are compiled successfully. If there are references in a MIB module to other modules, which could not be resolved, then the compilation process terminates unsuccessfully, irrespective of the number of iterations you attempt. The gcreport.txt is

generated only for group compilation and not for single Mib compilation. Its contents are over written for every compilation.

This option enables you to compile multiple MIB modules.

To compile multiple MIB Modules

- 1 Open the MibCompiler console.
- 2 From the File menu, choose Compile multiple MIBs. (OR)

Press Ctrl + G on your keyboard.

MibCompiler displays "Browse for Folder" window.

Browse for Folder		<u>? ×</u>
Select Mib folder.		
Wy Computer Sile Floppy (A:) [E:)	
	OK	Cancel

- 3 Go to the appropriate drive and select the folder that you want to compile.
- 4 Click OK.

MibCompiler displays the confirmation message box to proceed further.

Proceed?	×
?	Do you want to compile all MIB(s) in folder 'C:\MIBs\Common'
	<u>Y</u> es <u>N</u> o



Figure 98 Browse for Folder dialog box.

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5 Click <u>Yes</u> to start compilation.

TrapTracker displays the compilation success / failure status in the debugging window.

Figure 100 MIB	MibComp: Group compilation mode.
compilation status	MibComp: compiling module 'C:\MIBs\Common\mdsreg.mib'
	U:\MIBs\Lommon\mdsreg.mib:b1: date specification_U3U121000U21 contains an illegal value D:\MIBs\Common\mdsreg.mib:72: revision for last update is missing
	MibComp: compiled module `C:\MIBs\Common\mdsreg.mib' with errors/warnings
	Compiled Successfully: MDS-REG mib inserted.
	MibComp: Group compilation mode.
	MibComp: compiling module 'C:\MIBs\Common\mds_comm.mib' C:\MIBs\Common\mds_comm_mib:281: date specification `D3012100007' contains an illegal value.
	C:\MIBs\Common\mds_comm.mib:294: revision for last update is missing
	MibComp: compiled module `C:\MIBs\Common\mds_comm.mib' with errors/warnings
	Compiled Successfully: MDS-COMMON-MIB mib inserted.
	Compiled Successfully: MDS-COMMON-MIB mib inserted.Compilation completed
	Select save from menu or toolbar to save the added MIB to disk
	Refer C:\Program Files\Prism Microsystems\TrapTracker\gcreport.txt file for consolidated compilation report.
	6 From the File menu, choose Save .
	(OR)
	Press Ctrl + S on your keyboard.
	(OR)
	Click 🖬 on the tool bar to save.
	MibCompiler displays the "Restart Services" confirmation message box.



1 Click <u>Yes</u> to restart the dependent services.

Figure 101 Restart Services message box

Saving MIB Compilation Report

By default, MibCompiler generates gcreport.txt for group compilation. Apart from this, you can manually copy, paste, delete, save and organize those details in separate text files for future reference for group compilation and single Mib compilation.

This option enables you to save the Mib compilation report in a text file.

To save MIB compilation report

1 Right-click the debugging window.

MibCompiler displays the shortcut menu.

- From the shortcut menu, choose Select All and then Copy.
- 2 Create a text file and paste the copied details in that text file.

You can also select and copy a portion of the details.

Viewing MIB Details

This option enables you to view the MIB details.

To view MIB details

- 1 Open the MibCompiler console.
- 2 From the View menu, choose Mibs. (OR)

Press Ctrl + M on your keyboard.

By default, MibCompiler selects this view.

3 Select a MIB module on the Modules window.

MibCompiler displays the details of the selected MIB in the **Details** window.

4 Double-click an object on the "Details" window.

MibCompiler displays the details of the selected object.

Figure 102 Details of node: sysTicks.

Details of 1	node: sysTicks	
Name	: sysTicks	
Registration	: pmiSystem.1	
Туре	: objectid	
Access	: read-only	
Status	: mandatory	
Description	: Current sys ticks.	
	<u>k</u>	

Viewing Trap Details

This option enables you to view the trap details.

To view trap details

- 1 Open the MibCompiler console.
- 2 From the View menu, choose Traps.

(OR)

Press **Ctrl + T** on your keyboard.

MibCompiler displays all traps in the "Details" window.

Fig	gure	103	Deta	ils o	f
all	trap	s.			

	Details of all traps.				
raps	Trap Name	Enterprise Name	Enterprise Oid	Variables	Description
	pmiAppUsageTrap	pmiSvstem	1.3.6.1.4.1.7011.1	(appUsageIndex, appU	This trap is sent whenever an a
	pmiEventTrap	pmiSystem	1.3.6.1.4.1.7011.1	fevtIndex. evtTicks. ev	This trap is sent whenever a ev
	pmiSvsTrap	pmiSystem	1.3.6.1.4.1.7011.1	(sysTicks, sysTime, sys,	The system sends this trap peri
	upsAlarmValueHighRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A ValueHigh alarm condition is
	upsAlarmValueLowRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A ValueLow alarm condition is
	upsAlarmValueHigheighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A measurement value reached
	upsAlarmValueLoweighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	[trapArg]	A measurement value reached
	upsAlarmReceptacleOneighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A receptacle has been switche
	upsAlarmTestInProgressRestored eighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg, upsTestIdeigh	The test is in progress is termin
	upsAlarmShutdownImminentRestoredei	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A shutdown imminent condition
	upsAlarmShutdownPendingRestoredei	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg, upsShutdown	A upsShutdownAfterDelay cou
	upsAlarmAwaitingPowerRestored eighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A awaiting power condition is r
	upsAlarmCommunicationsLostRestored	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A problem in the communication
	upsAlarmDiagnosticTestFailedRestored	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A last diagnostic test indicates
	upsAlarmGeneralFaultRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A general fault is restored.
	upsAlarmFuseFailureRestored eighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	[trapArg]	A Fuse failure condition is resto
	upsAlarmFanFailureRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	[trapArg]	A Fan failure condition is restor
	upsAlarmUpsSystemOneighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	The UPS system is switched in
	upsAlarmUpsOutputOneighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	The output of the UPS switche
	upsAlarmChargerFailedRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(prAqerd)	A Charger Failer condition is re
	upsAlarmUpsOffAsRequestedRestored	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A entire UPS command has be
	upsAlarmOutputOffAsRequestedRestor	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A request shutdown has been
	upsAlarmBypassBadRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A Bypass bad condition is restr
	upsAlarmOnBypassRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	An On Bypass condition is rest
	upsAlarmOutputOverloadRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	An output overload condition is
	upsAlarmOutputBadRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapÅrg)	An output bad condition is rest
	upsAlarmInputBadRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	An input bad condition is resto
	upsAlarmTempBadRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A bad temperature condition is
	upsAlarmDepletedBatteryRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A Depleted Battery condition is
	upsAlarmLowBatteryRestored eighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A Low Battery condition is rest
	upsAlarmOnBatteryRestored eighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapÅrg)	The UPS is drawing power from
	upsAlarmBatteryBadRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A Battery bad condition is resto
	upsAlarmReceptacleOffeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A receptacle has been switche
	upsAlarmTestInProgresseighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg, upsTestIdeigh	A test is in progress, as initiate
	constituents for a state construction on the industry	gel IPSTrapseighth	136141818111811	(trandica)	The LIPS will turn off power to

3 Double-click the trap that you want to view details.MibCompiler displays the details of the selected trap.

🛃 Details of tra	pmiSysTrap	×
Name	pmiSysTrap	
Enterprise Name	pmiSystem	
Enterprise Oid	1.3.6.1.4.1.7011.1	
Variables	(sysTicks, sysTime, sysName, sysType, sysDescr, sysIPAddr)	
Description	The system sends this trap periodically to	
	<u>O</u> k	

Figure 104 Details of trap: pmiSysTrap.

Table 24

Field	Description
Name	Name of the trap.
Enterprise Name	Name of the enterprise that defined the trap.

Field	Description
Enterprise Oid	Object id of the trap.
	1 – ISO
	3 – ORG
	6 – DOD
	1 – Internet
	4 – Private
	1- Enterprise
	7011 – pmiSystem
	1 – pmiSystrap
Variables	varBinds associated with the trap.
Description	Description of the trap.

Browsing MIB Tree

This option enables you to search through the MIB tree for an MIB, OID, Identifier and Trap names. Searching with regular expression is not permitted.

To browse the MIB tree

- 1 Open the MibCompiler console.
- 2 From the **Tools** menu, choose **Find**.

(OR)

Press Ctrl + F on your keyboard.

(OR)

Click no the tool bar.

MibCompiler displays "Find" dialog box.

Figure 105 Find dialog box

🛃 Find		×	
In:	 Module Names Oid Identifier Trap Names 		
<u>O</u> k	Cancel		
Note			
By default, MibCompiler displays the MIB modules and the details of those modules. To view the trap details, follow the procedures in the View Trap Details section.			

- **3** Type the name of a module in the search field.
- 4 Select **Module Names** option, if not selected.

🛃 Find	×
PMI-sys-MIB	
ln:	 Module Names Oid Identifier Trap Names
<u>O</u> k	Cancel

5 Click <u>O</u>k.

MibCompiler displays the MIB module and its details.

Figure 106 Find Module Name Figure 107 Search result.

MibCompiler						_ 6
File View Tools Help						
🗅 🖬 🗙 🛤						
Modules 🔺	Details of PMI-Sys-MIB					
OLD-CISCO-TCP-MIB	Identifier	Registration	Туре	Access	Status	Description
DLD-CISCO-TS-MIB	prismMicroSystems	enterprises.7011	objectid	-none-	mandatory	
OLD-CISCO-VINES-MIB	pmiSystem	prismMicroSystems.1	objectid	-none-	mandatory	
JLD-CISCO-XNS-MIB	sysTicks	pmiSystem.1	objectid	read-only	mandatory	Current sys ticks.
DSPF-MIB	sysTime	pmiSystem.2	octetstring	read-only	mandatory	Current sys time in local displ
JSPF-TRAP-MIB	sysName	pmiSystem.3	octetstring	read-only	mandatory	Name of the system.
PARALLEL-MIB	sysType	pmiSystem.4	integer	read-only	mandatory	This identifies the operating
P-BRIDGE-MIB	sysDescr	pmiSystem.5	octetstring	read-only	mandatory	Gives details of the system, s
PerfHist-TC-MIB	sysIPAddr	pmiSystem.6	octetstring	read-only	mandatory	The IP Address of the system.
PIM-MIB	evtTable	pmiSystem.10	table	not-accessible	mandatory	Table containing the system'
PINT-MIB	evtEntry	evtTable.1	row	not-accessible	mandatory	Describes the event in terms
PMI-Sys-MIB	evtIndex	evtEntry.1	objectid	read-only	mandatory	The event log record numbe
PNNI-EXT-MIB	evtTicks	evtEntry.2	objectid	read-only	mandatory	Time in ticks when the event
PNNI-MIB	evtLocalTime	evtEntry.3	octetstring	read-only	mandatory	Local time format when the e
POD-TBL-MIB	evtSysName	evtEntry.4	octetstring	read-only	mandatory	The system which recorded t
POLICY-FRAMEWORK-PIB	evtLogType	evtEntry.5	integer	read-only	mandatory	The log type.
PowerNet-MIB	evtType	evtEntry.6	integer	read-only	mandatory	The event type.
PPP-BRIDGE-NCP-MIB	evtSource	evtEntry.7	octetstring	read-only	mandatory	The source on the host whic
PPP-IP-NCP-MIB	evtCategory	evtEntry.8	objectid	read-only	mandatory	The event category.
PPP-LCP-MIB	evtld	evtEntry.9	objectid	read-only	mandatory	The eventid.
PPP-SEC-MIB	evtDescr	evtEntry.10	octetstring	read-only	mandatory	Description of the event.
Printer-MIB	evtUser	evtEntry.11	octetstring	read-only	mandatory	Logged user who caused th
PTOPO-MIB	evtDomain	evtEntry.12	octetstring	read-only	mandatory	Domain in which the user ha
Q-BRIDGE-MIB	appUsageTable	pmiSystem 11	table	not-accessible	mandatory	Table containing the system'
QOS-POLICY-802-PIB	applisageEntry	anni IsaneTable 1	IOW	not-accessible	mandatory	Describes the ann usage in t
QOS-POLICY-IP-PIB	applisageIndex	appl IsageEntry 1	objectid	read-only	mandatory	The ann usage log record n
RADIUS-ACC-CLIENT-MIB	applisageStartTicks	applisageEntry 2	objectid	read-only	mandatory	Time in ticks when the ann
RADIUS-ACC-SERVER-MIB	applisageEndTicks	appl IsageEntry 3	objectid	read-only	mandatory	Time in ticks when the app
BADIUS-AUTH-CLIENT-MIB	applicageSusName	appl to age Entry 4	octetetring	read-only	mandatoru	The sustem which recorded t
BADILIS-ALITH-SEBVEB-MIB	applicageOphName	appl/sageEntry.1	octetetring	read-only	mandatory	The name of the running ann
RAID-Adapter-MIB	applisageliser	appl/sageEntry.5	octetstring	read-only	mandatory	Logged user who executed t
BAPID-CITY	appleageDomain	applicageEntry.0	octotatring	read-only	mandatory	Domain in which the user ha
BAPIDCITY-VLAN-MIB	applisageEileName	appl tageEntry 8	octetetring	read-only	mandatoru	Executed application's file n
BDBMS-MIB	applisageVendor	appl/sageEntry.0	octetetring	read-only	mandatory	Application Vendor's Informa
BEC1065-SMI	applisageDetails	appl/sageEntry.5	octetetring	read-only	mandatory	Application Usage Statistics
	apposageberaiis	apposagecnay, ro	octetsung	reactorily	manualory	Application usage statistics
atus: Heady						

- **6** Type an **OID** in the search field.
- 7 Select the **Oid** option.

🛃 Find	×
1.3.6.4.1.7011.1.10.1.5	
ln:	 Module Names Oid Identifier Trap Names
<u> </u>	<u>C</u> ancel

8 Click <u>O</u>k.

MibCompiler displays the result.

Figure 108 Find OID.

Figure 109 Search result

📑 MibCompiler							- 8
File View Tools Help							
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Modules 🔺		Details of PMI-Sys-MIB					
OLD-CISCO-TCP-MIB		Identifier	Registration	Туре	Access	Status	Description
OLD-CISCO-TS-MIB		prismMicroSystems	enterprises 7011	objectid	-none-	mandatory	
OLD-CISCO-VINES-MIB		pmiSvstem	prismMicroSystems.1	objectid	-none-	mandatory	
OLD-CISCO-XNS-MIB		sysTicks	pmiSystem 1	objectid	read-only	mandatory	Current sys ticks.
OSPF-MIB		sysTime	pmiSystem.2	octetstring	read-only	mandatory	Current sys time in local displ
OSPF-TRAP-MIB		svsName	pmiSystem.3	octetstring	read-only	mandatory	Name of the system.
PARALLEL-MIB		sysType	pmiSystem.4	integer	read-only	mandatory	This identifies the operating
P-BRIDGE-MIB		sysDescr	pmiSystem.5	octetstring	read-only	mandatory	Gives details of the system, s
PerfHist-TC-MIB		sysIPAddr	pmiSystem.6	octetstring	read-only	mandatory	The IP Address of the system.
PIM-MIB		evtTable	pmiSystem.10	table	not-accessible	mandatory	Table containing the system'
PINT-MIB		evtEntry	evtTable.1	row	not-accessible	mandatory	Describes the event in terms
PMI-Sys-MIB		evtindex	evtEntry.1	objectid	read-only	mandatory	The event log record numbe
PNNI-EXT-MIB		evtTicks	evtEntry.2	objectid	read-only	mandatory	Time in ticks when the event
PNNI-MIB		evtLocalTime	evtEntry.3	octetstring	read-only	mandatory	Local time format when the e
POD-TBL-MIB		evtSysName	evtEntry.4	octetstring	read-only	mandatory	The system which recorded t
POLICY-FRAMEWORK-PIB		evtLogType	evtEntry.5	integer	read-only	mandatory	The log type.
PowerNet-MIB		evtTupe	evtEntru.6	integer	read-only	mandatory	The event type.
PPP-BRIDGE-NCP-MIB		evtSource	evtEntry.7	octetstring	read-only	mandatory	The source on the host whic
PPP-IP-NCP-MIB		evtCategory	evtEntry.8	objectid	read-only	mandatory	The event category.
PPP-LCP-MIB		evtid	evtEntry.9	objectid	read-only	mandatory	The event id.
PPP-SEC-MIB		evtDescr	evtEntry.10	octetstring	read-only	mandatory	Description of the event.
Printer-MIB		evtUser	evtEntry.11	octetstring	read-only	mandatory	Logged user who caused th
PTOPO-MIB		evtDomain	evtEntry.12	octetstring	read-only	mandatory	Domain in which the user ha
Q-BRIDGE-MIB		appUsageTable	pmiSystem.11	table	not-accessible	mandatory	Table containing the system'
QOS-POLICY-802-PIB		appUsageEntry	appUsageTable.1	row	not-accessible	mandatory	Describes the app usage in t
QOS-POLICY-IP-PIB		appUsageIndex	appUsageEntry.1	objectid	read-only	mandatory	The app usage log record n
RADIUS-ACC-CLIENT-MIB	1	appUsageStartTicks	appUsageEntry.2	objectid	read-only	mandatory	Time in ticks when the app
RADIUS-ACC-SERVER-MIB	4	appUsageEndTicks	appUsageEntry.3	objectid	read-only	mandatory	Time in ticks when the app
RADIUS-AUTH-CLIENT-MIB		appUsageSysName	appUsageEntry.4	octetstring	read-only	mandatory	The system which recorded t
RADIUS-AUTH-SERVER-MIB		appUsageAppName	appUsageEntry.5	octetstring	read-only	mandatory	The name of the running app.
RAID-Adapter-MIB		appUsageUser	appUsageEntry.6	octetstring	read-only	mandatory	Logged user who executed t
RAPID-CITY		appUsageDomain	appUsageEntry.7	octetstring	read-only	mandatory	Domain in which the user ha
RAPIDCITY-VLAN-MIB		appUsageFileName	appUsageEntry.8	octetstring	read-only	mandatory	Executed application's file n
RDBMS-MIB		appUsageVendor	appUsageEntry.9	octetstring	read-only	mandatory	Application Vendor's Informa
RFC1065-SMI		appUsageDetails	appUsageEntry.10	octetstring	read-only	mandatory	Application Usage Statistics
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Status: Beadu							
Status, Heady							

- 9 Type an **Identifier** in the search field.
- 10 Select the **Identifier** option.

🛃 Find	X
sysIPAddr	
ln:	 Module Names Oid Identifier Trap Names
<u>0</u> k	Cancel

11 Click <u>Ok</u>.

MibCompiler displays the result.



Figure 111 Search result.

🛃 MibCompiler							9 ×
File View Tools Help							
🗅 🖬 🗙 🛤 🔄							
Modules 🔺	Details of CISCO-STACK-MIB						_
CISCO-STACK-MIB	Identifier	Registration	Туре	Access	Status	Description	
CISCO-STP-EXTENSIONS-MIB	ciscoStackMIB	workgroup.1	objectid	-none-	mandatory		
LISCU-STUN-MIB	systemGrp	ciscoStackMIB.1	objectid	-none-	mandatory		_
LISCU-SWITCH-CGMP-MIB	sysMgmtType	systemGrp.1	integer	read-only	current	Type of network manageme	_
CISCO-SWITCH-ENGINE-MIB	syslaAddr	systemGrp.2	ipaddress	read-write	current	This entity's IP address.	
CISCO-SYSLOG-MIB	sysNetMask	systemGrp.3	ipaddress	read-write	current	This entity's subnet mask.	
LISCU-SYSTEM-MIB	sysBroadcast	systemGrp.4	ipaddress	read-write	current	This entity's broadcast addre	-
	sysTrapReceiverTable	systemGrp.5	table	not-accessible	current	The trap receiver table (0 to	
LISLU-TL-NU-U32	sysTrapReceiverEntry	sysTrapReceiverTable.1	row	not-accessible	current	A trap receiver table entry.	
CISCO-TUP-MIB	sysTrapReceiverType	sysTrapReceiverEntry.1	integer	read-write	current	Setting this object to invalid(
CISCO-TCPUFFLUAD-MIB	sysTrapReceiverAddr	sysTrapReceiverEntry.2	ipaddress	read-only	current	IP address for trap receiver.	
LISCU-IN32705EHVEH-MIB	sysTrapReceiverComm	sysTrapReceiverEntry.3	octetstring	read-write	current	Community string used for tra.	-
LISCU-TRANSACTION-CONNET	sysCommunityTable	systemGrp.6	table	not-accessible	deprecated	The community table (4 entri	
LISCUTRAP-MIB	sysCommunityEntry	sysCommunityTable.1	row	not-accessible	deprecated	A community table entry.	
CISCO-ODLDP-MIB	sysCommunityAccess	sysCommunityEntry.1	integer	read-only	deprecated	A value of readWriteAll(4) all	
CISCU-VINES-MIB	sysCommunityString	sysCommunityEntry.2	octetstring	read-write	deprecated	Configurable community strin	
CISCO VI AN MEMOEDICUID MIL	sysAttachType	systemGrp.7	integer	read-write	current	The requested concentrator	
CISCO VALOS MID	sysTraffic	systemGrp.8	integer	read-only	current	Traffic meter value, i.	
CISCU-VMPS-MIB	sysHeset	systemLirp.9	integer	read-write	current	Writing reset(2) to this object	
CISCU-VUICE-ANALUG-IF-MIB	sysBaudRate	systemGrp.10	integer	read-write	current	The baud rate in bits per sec	-
CISCO VOICE ATA DIAL CONTL	sysInsertMode	systemGrp.11	integer	read-write	current	The mode for inserting M-por	-
CISCO-VUICE-ATM-DIAL-CUNTI	sysClearMacTime	systemGrp.12	timeticks	read-write	current	The time (in hundredths of a	
LISCU-VUILE-CUMMUN-DIAL-C	sysClearPortTime	systemGrp.13	timeticks	read-write	current	The time (in hundredths of a	
CISCO-VOICE-DIAL-CONTROL-F	sysEddiHingTable	systembirp.14	table	not-accessible	current	The fddi ring map table.	
CISCO-VUICE-ENABLED-LINK-N	sysFddiRingEntry	sysFddiRingTable.1	row	not-accessible	current	A FDDI Ring table entry.	
LISCU-VUILE-FH-DIAL-CONTHU	sysFddiRingSMTIndex	sysEddiRingEntry.1	integer	read-only	current	The value of the SMT index	-
CISCU-VUILE-HULL-DIAL-CUN	sysFddiRingAddress	sysFddiRingEntry.2	octetstring	read-only	current	The MAC address of this no	
CISCO-VOICE-IF-MIB	sysFddiRingNext	sysFddiRingEntry.3	octetstring	read-only	current	The MAC address of the nex	
CISCO-VPDN-MGMT-MIB	sysEnableModem	systemGrp.15	integer	read-write	current	Indicates whether the RS-23	
LISCU-VSI-CUNTRULLER-MIB	sysEnableRedirects	systemGrp.16	integer	read-write	current	Indicates whether ICMP redir	
LISUU-VSI-MASTER-MIB	sysEnableRmon	systemGrp.17	integer	read-write	current	Indicates whether the SNMP	
CISCU-VTP-MIB	sysArpAgingTime	systemGrp.18	integer	read-write	current	The aging time for the ARP t	
CISCO-WAN-MODULE-MIB	sysTrafficPeak	systemGrp.19	integer	read-only	current	Peak traffic meter value sinc	
CISCO-WAN-RSRC-PART-MIB	sysTrafficPeakTime	systemGrp. 20	timeticks	read-only	current	The time (in hundredths of a	
CISCO-WIRELESS DOCS EXT +	sysCommunityRwa	systemGrp.21	octetstring	read-write	current	When an SNMP message is	
4 •	sysCommunityRw	systemGrp.22	octetstring	read-write	current	When an SNMP message is	. •
							A
							_
							v
) 							
Status: Ready							

Searching Trap Details

This option enables you to search the Trap details.

To search trap details

- 1 Open the MibCompiler console.
- 2 From the **View** menu, choose **Traps**.

(OR)

Press Ctrl + T on your keyboard.

MibCompiler displays all trap details.

Figure 112 Details of all traps.

	Details of all traps.				
raps	Trap Name	Enterprise Name	Enterprise Oid	Variables	Description
	pmiAppUsageTrap	pmiSystem	1.3.6.1.4.1.7011.1	(appUsageIndex, appU	This trap is sent whenever an
	pmiEventTrap	pmiSystem	1.3.6.1.4.1.7011.1	(evtIndex, evtTicks, ev	This trap is sent whenever a e
	pm/Sys1rap	pm/System	1.3.6.1.4.1.7011.1	[sys1icks, sys1ime, sys	I he system sends this trap pe
	upsAlarmValueHighHestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A ValueHigh alarm condition is
	upsAlarmValueLowHestoredeighth	geUPS I rapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A ValueLow alarm condition is
	upsetarmvalueHigneighth	geUPS I rapseignth	1.3.5.1.4.1.818.1.1.18.11	(traperg)	A measurement value reached
	upsAlarmValueLoweighth	geUPS I rapseighth	1.3.5.1.4.1.818.1.1.18.11	(traperg)	A measurement value reached
	upsquarmHeceptacleUneighth	geurs i rapseignth	1.3.5.1.4.1.818.1.1.18.11	(traperg)	A receptacle has been switch
	upsalarmi estinerogresseestoredeigntn	geuPS i rapseighth	1.3.5.1.4.1.818.1.1.18.11	(trapArg, ups i estideign	I ne test is in progress is termin
	upsetamonutownimmentnestoredet	geurs trapseignin	1.3.0.1.4.1.010.1.1.10.11	(traperg)	A shutdown imminent conditio
	upsAlarmSnutdownPendinghestoredel	geurs i rapseighth	1.3.0.1.4.1.010.1.1.10.11	(trapArg, upsonutdown	A upstruction name and the to
	upsAlarmAwaitingPowerHestoredeignth	geUPS I rapseighth	1.3.5.1.4.1.010.1.1.10.11	(traperg)	A awaiting power condition is
	upsalarm.communications.costriestored	geuPS i rapseighth	1.3.5.1.4.1.818.1.1.18.11	(traperg)	A problem in the communication
	ups4iamDiagnostic restrateunestoreu	geors napseignin	1.3.0.1.4.1.010.1.1.10.11	(uaperg)	A last diagnostic test indicates
	upsAlamoenerainautnestoredeighth	geurs trapseighth	1.3.0.1.4.1.010.1.1.10.11	(trapArg)	A general fault is restored.
	upsAlamEanEaitureRestoredeighth	geor 5 hapseighth	1 3 6 1 4 1 010 1 1 10 11	(tranéra)	A Fas failure condition is test
	upsAlarmi IpsSusternDesighth	geur sinapseignth	1 3 6 1 4 1 010 1 1 10 11	(trapérg)	The LIPS system is switched in
	upsAlamiOpsOystemonegrin	get i Di Trapseighth	1 2 6 1 4 1 010 1 1 10 11	(trapArg)	The output of the LIDS suiteb
	upsAlarmChargerEailedBestoredeighth	get IPSTrapseighth	136141918111911	(trapArg)	A Charger Failer condition is re
	upsAlamI InsDfAsBaguastadBastored	geor 5 rrapseighth	1 3 6 1 4 1 9 9 1 1 1 9 11	(trapArg)	A entire LIPS command has be
	upsålarmQutputQtfåsBequestedRestor	gel IPSTrapseighth	136141918111811	(traphrig)	å request shutdown has been
	upsålarmBupassBadBestoredeinhth	get i PSTranseighth	136141818111811	(trapérg)	A Bunass bad condition is rest
	upsAlarmOnBupassBestoredeighth	geor o rrapscighth	136141818111811	(trapérg)	An On Burgass condition is res
	upsAlarmOutputOverloadBestoredeighth	get IPSTranseighth	136141818111811	(trapéro)	An output overload condition i
	upsålarm0utput8 adBestoredeighth	get IPSTrapseighth	136141818111811	(trapérg)	An output bad condition is res
	upsålaminputBadBestoredeighth	get IPSTranseighth	136141818111811	(trapérg)	An input bad condition is resto
	upsålarmTempBadBestoredeighth	get IPSTranseighth	136141818111811	(trapérg)	A had temperature condition is
	upsålarmDepletedBatteruBestoredeighth	get IPSTranseighth	136141818111811	(trapărg)	A Depleted Battery condition i
	upsålarmi owBatteruBestoredeighth	get IPSTrapseighth	136141818111811	(trapérg)	A Low Battery condition is rest
	upsålarmOnBattervBestoredeighth	get IPSTranseighth	136141818111811	(trapårg)	The LIPS is drawing power fro
	upsålarmBatteruBadBestoredeighth	gel IPST ranseighth	136141818111811	(trapăro)	A Battery had condition is rest
	unsålarmBecentacleOffeighth	geUPSTranseighth	136141818111811	(tranêro)	A recentacle has been switch
	upsAlarmTestInProgresseighth	gel IPST ranseighth	136141818111811	Itranêra unsTestIdeinh	A test is in progress, as initiate
	upsAlarmShutdownImminenteighth	gel IPSTrapseighth	136141818111811	(trapăro)	The LIPS will turn off nower to

3 From the **Tools** menu, choose **Find**.

(OR)

Press Ctrl + F on your keyboard.

(OR)

Click no the tool bar.

MibCompiler displays the "Find" dialog box.



🛃 Find	×
ln:	 Module Names Oid Identifier Trap Names
<u>D</u> k	<u>C</u> ancel

4 Type the name of the trap in the search field.

Figure 114 Find Trap name

Find pmiSysTrap	×
ln:	 Module Names Oid Identifier Trap Names
<u>k</u>	Cancel

5 Click <u>O</u>k.

MibCompiler displays the result.

Figure 115 Search result

odules	Details of all traps.				
Traps	Trap Name	Enterprise Name	Enterprise Oid	Variables	Description
	pmiAppUsageTrap	pmiSystem	1.3.6.1.4.1.7011.1	(appUsageIndex, appU	This trap is sent whenever an a
	pmiEventTrap	pmiSystem	1.3.6.1.4.1.7011.1	(evtIndex, evtTicks, ev	This trap is sent whenever a ev
	pmiSysTrap	pmiSystem	1.3.6.1.4.1.7011.1	(sysTicks, sysTime, sys	The system sends this trap perio
	upsAlarmValueHighRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapÅrg)	A ValueHigh alarm condition is r
	upsAlarmValueLowRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A ValueLow alarm condition is r
	upsAlarmValueHigheighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapÅrg)	A measurement value reached
	upsAlarmValueLoweighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A measurement value reached
	upsAlarmReceptacleOneighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A receptacle has been switcher
	upsAlarmTestInProgressRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg, upsTestIdeigh	The test is in progress is termina
	upsAlarmShutdownImminentRestoredei	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapÅrg)	A shutdown imminent condition
	upsAlarmShutdownPendingRestoredei	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg, upsShutdown	A upsShutdownAfterDelay cour
	upsAlarmAwaitingPowerRestored eighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A awaiting power condition is re
	upsAlarmCommunicationsLostRestored	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapÅrg)	A problem in the communication
	upsAlarmDiagnosticTestFailedRestored	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A last diagnostic test indicates a
	upsAlarmGeneralFaultRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapÅrg)	A general fault is restored.
	upsAlarmFuseFailureRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A Fuse failure condition is restor
	upsAlarmFanFailureRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapÅrg)	A Fan failure condition is restore
	upsAlarmUpsSystemOneighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	The UPS system is switched in I
	upsAlarmUpsOutputOneighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	The output of the UPS switched
	upsAlarmChargerFailedRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A Charger Failer condition is rest
	upsAlarmUpsOffAsRequestedRestored	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A entire UPS command has bee
	upsAlarmOutputOffAsRequestedRestor	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A request shutdown has been re
	upsAlarmBypassBadRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A Bypass bad condition is restor
	upsAlarmOnBypassRestored eighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	An On Bypass condition is resto
	upsAlarmOutputOverloadRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	An output overload condition is
	upsAlarmOutputBadRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	An output bad condition is resto
	upsAlarmInputBadRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	An input bad condition is restore
	upsAlarmTempBadRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A bad temperature condition is r
	upsAlarmDepletedBatteryRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A Depleted Battery condition is
	upsAlarmLowBatteryRestored eighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A Low Battery condition is resto
	upsAlarmOnBatteryRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	The UPS is drawing power from
	upsAlarmBattervBadRestoredeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A Battery bad condition is restor
	upsAlarmReceptacleOffeighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg)	A receptacle has been switched
	upsAlarmTestInProgresseighth	geUPSTrapseighth	1.3.6.1.4.1.818.1.1.18.11	(trapArg, upsTestIdeigh	A test is in progress, as initiated
	unsAlarmShutdownImminenteighth	geUPSTrapseighth	136141818111811	(tranêro)	The UPS will turn off power to the

Deleting MIB

This option enables you to delete a MIB from the bin file.

To delete a MIB

- Open the MibCompiler console. 1
- Select the module that you want to delete from the "Modules" window. 2
- From the File menu, choose Delete. 3

(OR)

Press Ctrl + D on your keyboard.

(OR)



MibCompiler displays the Mib Compiler confirmation message box.

Mib Com	iler	×
?	Are you sure you want to delete Mib: PMI-Sys-M	IB
	Yes <u>N</u> o	

Click Yes. 4

MibCompiler displays the Mib Compiler message box with appropriate message.

×



Exiting MibCompiler

This option enables you to exit MibCompiler.

To exit MibCompiler

From the File menu, choose Exit. 1

MibCompiler displays the "Save?" confirmation message box.

Figure 116 MibCompiler message box.

Figure 118 Save? message box



- 2 Click Yes to save the changes you have made and exit the MibCompiler.
- 3 Click <u>No</u> to exit MibCompiler without saving the changes.

MibCompiler displays the "Restart Services" message box.

Restart S	ier v ices 🔀		
?	Dependent services need to be restarted for MIBs to be applied Do you want to do this now?		
	<u>Y</u> es <u>N</u> o		

4 Click <u>Yes</u> to restart the dependent services.

Figure 119 Restart Service? Message box

*Glossa*ry

Term	Description
Alert Configuration	Process of configuring alert notifications in the form of Sound, E-mail, Console message or any Custom action.
Alerts	A feature that instructs programs to notify timely information about the events.
ASN-1	Abstract Syntax Notation One (ASN.1) is an internationally accepted formal language or notation system used for describing data to be exchanged between distributed computer systems or by telecommunications protocols, regardless of language implementation, physical representation of these data, or type of application. It is a formal system for the specification of abstract data types. ASN.1 uses sets of encoding rules to transform data specified in the ASN.1 language into a standard format that can be decoded on any system that 'knows' the same rules.
Audible Alert	A feature that instructs programs that usually notifies information by sound.
Console Message Alert	A feature that instructs programs to notify information to the selected machine.
Custom Alert	A feature that instructs programs to execute custom action on receipt of an event.
Email Alert	A feature that instructs programs to notify information by E-mail.
Entity	Refers to both a server and a client.
Event	A condition or state of change that may cause a trap message to be generated.
Filters	The process to filter out events that you do not want to monitor.
Historical Report	The report generated based on the selection criteria.

Term	Description
Hubs	A common connection point for devices in a network. Hubs are commonly used to connect segments of a LAN. A hub contains multiple ports. When a packet arrives at one port, it is copied to the other ports so that all segments of the LAN can see all packets. A passive hub serves simply as a conduit for the data, enabling it to go from one device (or segment) to another. So-called intelligent hubs include additional features that enable an administrator to monitor the traffic passing through the hub and to configure each port in the hub.
IP Subnet	A 32-bit address used to identify a node on an IP internet. The address is typically represented with a decimal value of each octet separated by a period. For example: 192.168.7.27.
Logfiles	The process to monitor textual log files such as SQL or ISA logs, created by any vendor. You can also configure the strings to search. If any record matching the search string is found, an event will be generated.
МІВ	Management Information Base; a collection of managed objects residing in a virtual information store.
Network element	Also known as a managed device- a hardware device, such as a PC or a router.
NOC	Network Operations Center. A location from which the operation of a network is monitored. Additionally, this center usually serves as a clearinghouse for connectivity problems and efforts to resolve those problems.
Notification	A message that indicates a status change (equivalent to a trap).
Objects	A passive entity that contains or receives information. Access to an object potentially implies access to the information it contains. Examples of objects are: records, blocks, pages, segments, files, directories, directory trees, and programs, as well as bits, bytes, words, fields, processors, video displays, keyboards, clocks, printers, network nodes, etc.
OID	An Object Identifier (OID) is the identification value of an object that is defined in a MIB. OIDs are arranged in a hierarchical tree structure compliant with Internet standard, that consists of roots and branches. An OID is written as a sequence of sub identifiers, starting with the tree root in dotted decimal notation. For example, the Microsoft branch of the MIB naming tree is expressed as 1.3.6.1.4.1.311

Term	Description
Parse	Using algorithms to analyze data into components. Semantic parsing involves trying to figure out what the components mean. Lexical parsing refers to the process of deconstructing the data into components.
Protocol	A set of rules that computers use to communicate across networks on the internet.
Router	A device that determines the next network point to which a data packet should be forwarded enroute toward its destination. The router is connected to at least two networks and determines which way to send each data packet; based on its current understanding of the state of the networks it is connected to. Routers create or maintain a table of the available routes and use this information to determine the best route for a given data packet.
SMI	SMI stands for Structure of Managed Information and represents the notation by which an SNMP MIB must be written. Another way to look at SMI is that it is the grammar to write SNMP MIBs. There are two types of SMI: SMIv1 and SMIv2 with SMIv1 being the earlier version, of course, back in 1990. SMIv1 is the old notation that nobody should use any
	more. However, there are still a lot of SNMP MIBs written before SMIv2 came about in 1993.
	SMIv2 is the new notation that you should use whenever you create a new MIB.
SNMP	Simple Network Management Protocol A set of standards for communication with devices connected to a TCP/IP network. Examples of these devices include routers, hubs, and switches. A device is said to be "SNMP compatible" if it can be monitored and/or controlled using SNMP messages. SNMP messages are known as "PDU's" - Protocol Data Units. Devices that are SNMP compatible contain SNMP "agent" software to receive, send, and act upon SNMP messages. Software for managing devices via SNMP are available for every kind of commonly used computer and are often bundled along with the device they are designed to manage.
SNMP Community Strings	An SNMP community string is a text string that acts as a password. It is used to authenticate messages that are sent between the management station (the SNMP manager) and the device (the SNMP agent). The community string is included in every packet that is transmitted between the SNMP manager and the SNMP agent.

Term	Description
SNMP Traps	The process to receive trap messages generated by local or remote SNMP agents And forwards the messages to third party vendor software such as an NOC.
Switch	A device that improves network performance by segmenting the network and reducing competition for bandwidth. When a switch port receives data packets, it forwards those packets only to the appropriate port for the intended recipient. This further reduces competition for bandwidth between the clients, servers or workgroups connected to each switch port.
ТСР	Transmission Control Protocol. TCP is responsible for verifying the correct delivery of data from Agent to server. TCP adds support to detect errors or lost data and to trigger transmission until the data is correctly and complete received.
Тгар	Message sent by an SNMP server to a client to indicate the occurrence of a significant event, such as a specifically defined condition or a threshold that was reached. Managed devices use traps to asynchronously report certain events to clients.
UDP	User Datagram Protocol. A connectionless protocol that, like TCP, runs on top IP networks. Unlike TCP/IP, UDP/IP provides very few error recovery services, offering instead a direct way to send and receive datagrams over an IP network.

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