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# SysLog Setup

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## Introduction

Syslog is a popular utility in Unix world. For monitoring router activity, you can run a Syslog Daemon which will capture the activity output from the router. This Daemon program can run on a local PC or a remote one elsewhere on the Internet.

## Configuration

Check the **Enable** box to enable syslog service.

**Server IP Address:** The IP address which syslog message can be sent to.

**Destination Port:** The UDP port number which the syslog server is listening. The default value is 514.



The image shows a 'SysLog Access Setup' dialog box. It has a title bar with the text 'SysLog Access Setup'. Inside the dialog, there is a checkbox labeled 'Enable' which is currently unchecked. Below the checkbox, there are two text input fields. The first is labeled 'Server IP Address' and is empty. The second is labeled 'Destination Port' and contains the value '514'. At the bottom of the dialog, there are three buttons: 'Cancel', 'Clear', and 'OK'.

Your Vigor router sends many types of syslog messages. Some examples of the syslog messages with their message format are shown next:

## Example of User Access log message:

**DrayTek SysLog**

192.168.1.1

**LAN Status**

TX Packets	RX Packets
6350	1741

**WAN Status (Static)**

GW IP Addr	TX Packets	RX Rate
172.16.2.6	1488	6
IP Address	RX Packets	TX Rate
172.16.2.136	3291	29

FireWall Log | VPN Log | **User Access Log** | Call Log | WAN Log | Client | Local TCP Table | Local UDP Table

Time	Host	Message
Jan 1 00:02:28	vigor2200	Local User: 192.168.1.10 DNS -> a.r.tv.com
Jan 1 00:02:28	vigor2200	Local User: 192.168.1.10 DNS -> a.r.tv.com
Jan 1 00:02:28	vigor2200	Local User: 192.168.1.10:1543 -> 210.57.49.198:80 (TCP)Web
Jan 1 00:02:28	vigor2200	Local User: 192.168.1.10:1544 -> 210.57.49.198:80 (TCP)Web
Jan 1 00:02:29	vigor2200	Local User: 192.168.1.10:1545 -> 64.124.237.131:80 (TCP)Web
Jan 1 00:02:29	vigor2200	Local User: 192.168.1.10:1540 -> 64.124.237.131:80 (TCP) close connection
Jan 1 00:02:29	vigor2200	Local User: 192.168.1.10:1545 -> 64.124.237.131:80 (TCP) close connection
Jan 1 00:02:29	vigor2200	Local User: 192.168.1.10 DNS -> gserv-cnetadnet.com
Jan 1 00:02:29	vigor2200	Local User: 192.168.1.10 DNS -> gserv-cnetadnet.com
Jan 1 00:02:29	vigor2200	Local User: 192.168.1.10:1548 -> 64.124.237.131:80 (TCP)Web
Jan 1 00:02:29	vigor2200	Local User: 192.168.1.10:1549 -> 210.57.49.198:80 (TCP)Web
Jan 1 00:02:29	vigor2200	Local User: 192.168.1.10:1550 -> 210.57.49.198:80 (TCP)Web
Jan 1 00:02:29	vigor2200	Local User: 192.168.1.10:1551 -> 64.124.237.131:80 (TCP)Web
Jan 1 00:02:29	vigor2200	Local User: 192.168.1.10:1552 -> 64.124.237.131:80 (TCP)Web
Jan 1 00:02:29	vigor2200	Local User: 192.168.1.10:1553 -> 64.124.237.131:80 (TCP)Web

Running... 18:25:41

## Example of WAN log message while using ISDN connection:

**DrayTek SysLog**

Any

**LAN Status**

TX Packets	RX Packets
0	0

**WAN Status**

GW IP Addr	TX Packets	RX Rate
....	0	0
IP Address	RX Packets	TX Rate
....	0	0

FireWall Log | VPN Log | User Access Log | Call Log | **WAN Log** | Client | Local TCP Table | Local UDP Table

Time	Host	Message
May 24 14:22:17	vigor2200	ISDN data call at B1 channel - disconnected , no AOC
May 24 14:22:13	vigor2200	ISDN data call at B1 channel - connected
May 24 11:48:33	vigor2200	ISDN data call at B1 channel - disconnected , no AOC
May 24 11:48:30	vigor2200	ISDN data call at B1 channel - connected
May 24 11:48:29	vigor2200	ISDN data call at B1 channel - dialing
May 24 11:48:25	vigor2200	ISDN data call at B1 channel - disconnected , no AOC
May 24 11:48:22	vigor2200	ISDN data call at B1 channel - connected
May 24 11:48:21	vigor2200	ISDN data call at B1 channel - dialing
May 24 11:48:17	vigor2200	ISDN data call at B1 channel - disconnected , no AOC
May 24 11:48:14	vigor2200	ISDN data call at B1 channel - connected
May 24 11:48:13	vigor2200	ISDN data call at B1 channel - dialing
May 24 11:48:09	vigor2200	ISDN data call at B1 channel - disconnected , no AOC
May 24 11:48:06	vigor2200	ISDN data call at B1 channel - connected
May 24 11:48:05	vigor2200	ISDN data call at B1 channel - dialing
May 24 11:48:02	vigor2200	ISDN data call at B1 channel - disconnected , no AOC

Running... 15:51:58

Example of VPN (IPSec) log message while the VPN/IPSec tunnel is being used:

The screenshot shows the DrayTekSysLog application window. At the top, there are status sections for LAN and WAN. The LAN Status section shows TX Packets and RX Packets, both at 0. The WAN Status section shows GW IP Addr (192.168.2.1), TX Packets (0), RX Rate (0), IP Address (.), RX Packets (0), and TX Rate (0). Below these are tabs for Fire Wall Log, VPN Log, User Access Log, Call Log, WAN Log, Client, Local TCP Table, and Local UDP Table. The VPN Log tab is selected, displaying a table of log messages. The table has three columns: Time, Host, and Message. The messages show a series of 'sent MR3, ISAKMP SA established' and 'IPsec SA established' events for the host 'Vigor' on May 24 and Jan 1. The status bar at the bottom indicates 'Running...' and the time '18:33:29'.

DrayTekSysLog

192.168.2.1

LAN Status

TX Packets: 0, RX Packets: 0

WAN Status

GW IP Addr: 192.168.2.1, TX Packets: 0, RX Rate: 0

IP Address: ., RX Packets: 0, TX Rate: 0

Fire Wall Log | **VPN Log** | User Access Log | Call Log | WAN Log | Client | Local TCP Table | Local UDP Table

Time	Host	Message
May 24 17:55:16	Vigor	sent MR3, ISAKMP SA established
May 24 17:55:16	Vigor	IPsec SA established
May 24 17:57:34	Vigor	sent MR3, ISAKMP SA established
May 24 17:57:34	Vigor	IPsec SA established
May 24 17:59:30	Vigor	sent MR3, ISAKMP SA established
May 24 17:59:30	Vigor	IPsec SA established
May 24 18:04:10	Vigor	sent MR3, ISAKMP SA established
May 24 18:04:10	Vigor	IPsec SA established
May 24 18:05:10	Vigor	sent MR3, ISAKMP SA established
May 24 18:05:10	Vigor	IPsec SA established
May 24 18:06:51	Vigor	sent MR3, ISAKMP SA established
May 24 18:06:51	Vigor	IPsec SA established
May 24 18:07:33	Vigor	sent MR3, ISAKMP SA established
May 24 18:07:33	Vigor	IPsec SA established
Jan 1 00:00:04	Vigor	sent MR3, ISAKMP SA established

Running... 18:33:29