

Saving Syslog to USB Disk

Users can store syslog to a USB disk on Draytek routers which support USB Application (FTP/Samba sharing on attached USB drive).

To enable this feature, choose **USB disk** from the **Syslog/Mail Alert Setup** page as figure shown below:

System Maintenance >> SysLog / Mail Alert Setup

SysLog / Mail Alert Setup

SysLog Access Setup	Mail Alert Setup
<input checked="" type="checkbox"/> Enable	<input type="checkbox"/> Enable <input type="button" value="Send a test e-mail"/>
Syslog Save to <input type="radio"/> Syslog Server <input checked="" type="radio"/> USB Disk	SMTP Server <input type="text"/>
Server IP Address <input type="text" value="172.17.1.21"/>	Mail To <input type="text"/>
Destination Port <input type="text" value="514"/>	Return-Path <input type="text"/>
Enable syslog message:	<input type="checkbox"/> Authentication
<input checked="" type="checkbox"/> Firewall Log	User Name <input type="text"/>
<input checked="" type="checkbox"/> VPN Log	Password <input type="text"/>
<input checked="" type="checkbox"/> User Access Log	Enable E-Mail Alert:
<input checked="" type="checkbox"/> Call Log	<input checked="" type="checkbox"/> DoS Attack
<input checked="" type="checkbox"/> WAN Log	<input checked="" type="checkbox"/> IM-P2P
<input checked="" type="checkbox"/> Router/DSL information	

A new folder **Syslog** will be created on the USB disk as root directory. But syslog files are not saved in this folder directly. Instead, some sub-folders called “001”, ”002” ... are created to store the syslog files. The folder “001” is created first. When the amount of syslog files stored in this folder reaches 100M, a new folder “002” will be created automatically to store subsequent syslog files, and so on.

With **USB File Explorer** (which is designed to manage the files on the USB drive), you can monitor the status of syslog files:

USB Application >> File Explorer

File Explorer

Current Path: /SysLog/001/

Name	Size	Delete	Rename
037_2009-11-11_13-45-31.log	1,053 KB	×	
038_2009-11-11_14-25-55.log	1,054 KB	×	
039_2009-11-11_15-04-46.log	1,054 KB	×	
004_2009-10-20_06-48-45.log	1,053 KB	×	
005_2009-11-10_07-49-00.log	1,035 KB	×	
006_2009-11-10_16-34-34.log	1,054 KB	×	
007_2009-11-10_17-11-19.log	1,054 KB	×	
008_2009-11-10_17-43-40.log	1,054 KB	×	
009_2009-11-10_18-31-57.log	1,054 KB	×	
010_2009-11-10_19-18-50.log	1,054 KB	×	

Naming Convention for a Syslog File

The log files are named according to their creation time, e.g.,

Sequence number_Year-Month-Date_Hour-Minute-Second

From the above figure, we can know the selected log file was created at 15:04:46 on November 11th, 2009. And it is the 39th file added in this folder.

Storing Rule for a syslog file

Notice that the logs are stored according to the following rules:

1. The syslogs generated by the router are kept in the router's memory first.
2. When the size of syslogs saved in the memory reaches 32KB, the syslogs will be written into a *.log* file on the USB drive.
3. When the volume of a *.log* file on the USB disk reaches 1MB, the router will create a new *.log* file to store the subsequent syslogs.
4. When the USB disk is full, the system will not store any data on it and stop the storage operation.