

APPLICATION NOTE

FOXMAN-UN

Usage of Syslog

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1 Purpose and Scope

1.1 General

The FOXMAN-UN system supports the display of syslog messages generated by its core daemons.

1.2 Concept

FOXMAN-UN uses the following concept for providing access to syslog messages. Various core daemons provide their events to a centralized event handler. The event handler serves at the same time the event viewer of the GUI, the file system (with log file entries), and the syslog as shown in [Figure 1: FOXMAN-UN Syslog concept](#).

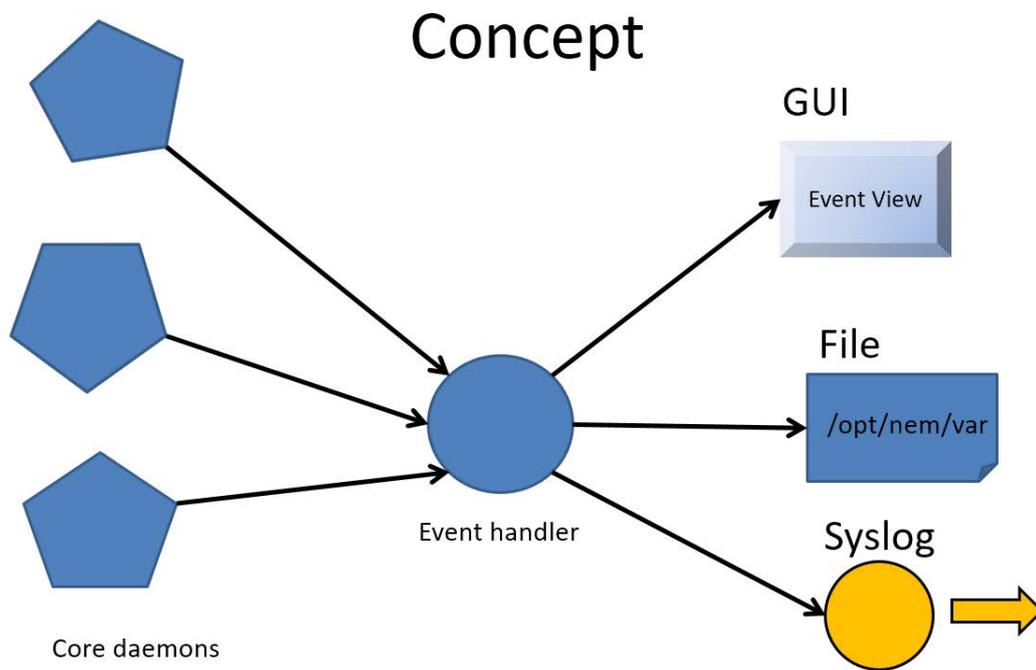


Figure 1: FOXMAN-UN Syslog concept

2 Syslog Setup

The properties relevant for syslog are stored in the file
`/etc/rsyslog.conf`



Please note:

In a default installation of FOXMAN-UN the configuration file
`$/etc/rsyslog.conf`
is already provided with a general (i.e., not FOXMAN-UN related) syslog setup definition.

To forward to a syslog server the `nem-system-event` and `nem-security-event`,
Proceed as follows:

1. Log in to FOXMAN-UN as root or prepend `sudo` to execute the following commands.
2. Open the following file with a text editor:
`/etc/rsyslog.conf`
3. In this file add the following lines:

```
#rules to forward FOXMAN-UN system&security events to syslog server
module(load="imfile")
input(type="imfile" File="/var/log/nem/log/nem-system-event.log" Tag="system"
Severity="info" Facility="user" ruleset="remote")
input(type="imfile" File="/var/log/nem/log/nem-security-event.log" Tag="security"
Severity="info" Facility="user" ruleset="remote")
ruleset(name="remote"){
action(type="omfwd" target="xxx.xxx.xxx.xxx" port="514" protocol="udp")
}
```

In the text above, replace `xxx.xxx.xxx.xxx` with the syslog server IP address

4. Save the file.
5. Restart the rsyslog via
`systemctl restartrsyslog.service`

Result: Forwarding of FOXMAN-UN syslog messages is enabled.

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