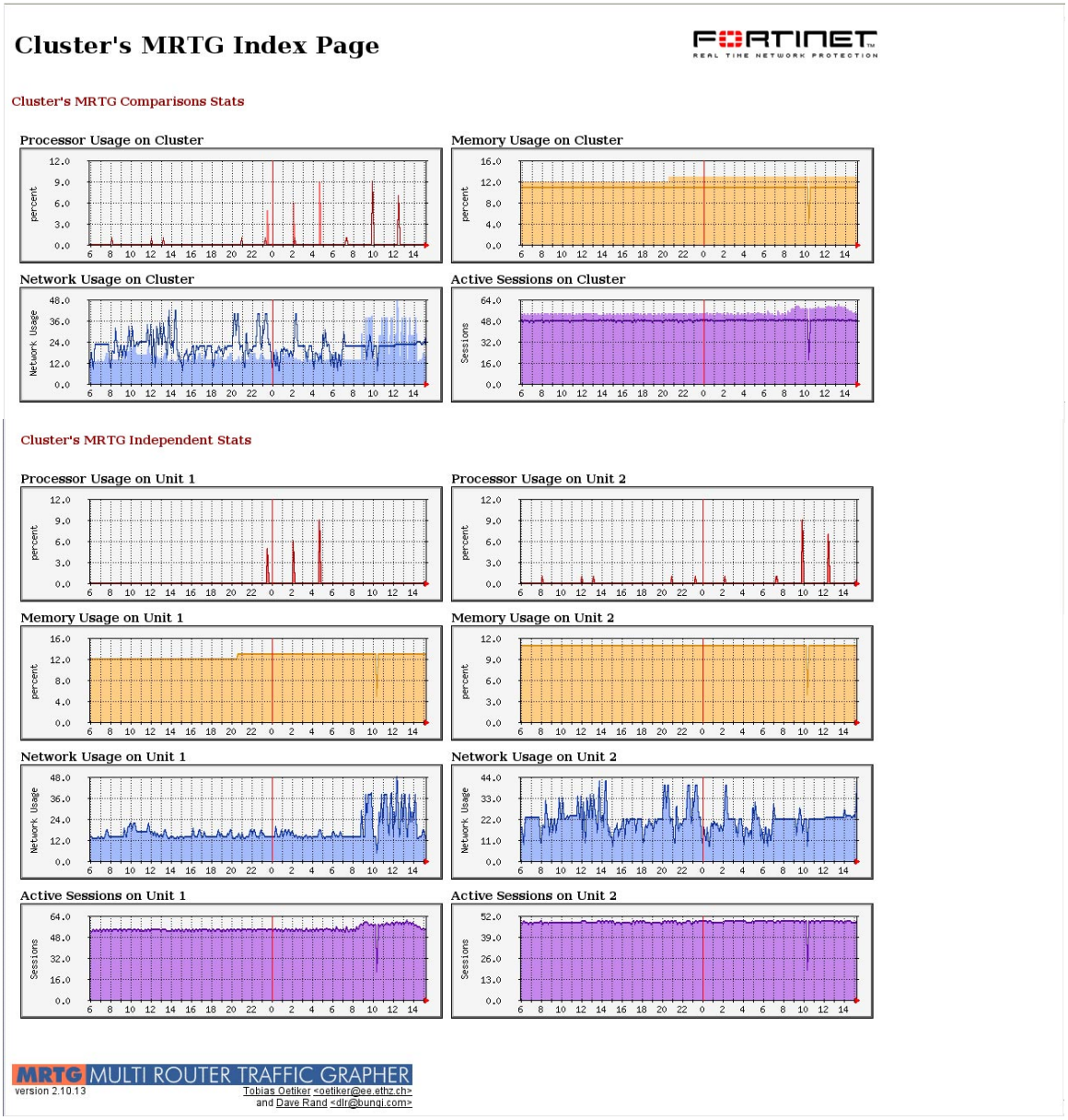
How to Monitor a FortiGate HA Cluster using MRTG

This article concerns:

- All FortiGates

This article describes how to configure MRTG to poll for statistics on a Fortigate HA (High Availability) cluster configuration. The installation example described in this document was performed on a Linux OS. This basic MRTG installation example is available in the following KC article:
http://kc.forticare.com/default.asp?id=826&Lang=1

Below is the sample view of the MRTG configuration as described in this document.



1. Install MRTG. For More information, please refer to the How to obtain a basic MRTG report page article.

2. On the computer where you installed MRTG, create a folder called “mrtg” at the root of the web server directory (`/var/www/`).

3. In the mrtg folder (`/var/www/mrtg`) create 3 subfolders:

```
MIB
images
index
```

4. Inside the *`MIB`* folder, copy the Fortinet proprietary MIB (*`fortinet.2.80.mib`*). Please refer to the How to obtain a basic MRTG report page article for details on obtaining the MIB file.

5. Inside the *`images`* folder, copy the *`fortinet.gif`* file (see attached “**mrtg_files.zip**” file)

6. Inside the *`index`* folder, copy the *`index.html`* file (see attached “**mrtg_files.zip**” file)

7. The hierarchy of `/var/www/mrtg` should look as shown below:

- `MIB`
  - `fortinet.2.80.mib`
- `images`
  - `fortinet.gif`
- `index`
  - `index.html`

8. Open the file `index.html`. At line number 30, and edit the IP address value, by setting the one of your FortiGate interface. Also configure whether HTTPS or HTTP will be used. See bold text in example below:

```
<a href="https://192.168.182.157" target="blank">
```

If you want to create your own index file, please refer to the How to obtain a basic MRTG report page article.

9. Copy the file `mrtg.cfg` into the `/etc` folder. (see attached “**mrtg_files.zip**” file)

10. Edit the file `mrtg.cfg` and modify the SNMP read community value and IP address for each graph section. See bold text in example below:

```
Target[cpu.0]: .1.3.6.1.4.1.12356.1.100.6.1.3.1&.1.3.6.1.4.1.12356.1.100.6.1.3.2:public@192.168.182.157
```

11. You can now launch the MRTG application (`mrtg /etc/mrtg.cfg &`). The default SNMP polling interval is 5 minutes. It will be at least this long before data appears on the graphs.