

MRTG Batch Files

Once you have setup MRTG you can begin to look at automating it. This can be done via batch files.

Generally two batch files should be created. One to create the configuration files and the other to poll each device. However if you want to be “clever” a third batch file can be used to create each of the CFG files individually.

Firstly lets look creating a configuration file.

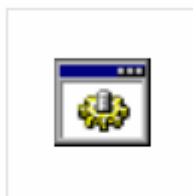
As you will have already seen when setting up MRTG you need to have the IP address and the SMNP community string of the device you want to monitor. In this example I will be using a Sonicwall.

The SNMP of this device is public (this is generally the default) and its IP address is 192.168.90.254. I will also want to poll this regularly so I will need to add the "RunAsDaemon: yes" command.

Now to create the first batch file I open up a text editor and type in the following: -

```
perl cfmaker public@192.168.90.254 --global "WorkDir: c:\mrtg-2.10.5\data" --global "RunAsDaemon: yes" --output Sonicwall.cfg
```

Then I save this file in the “C:\MRTG-2.10.5\bin” directory as “makecfg.bat”



makecfg.bat

To execute this file I double click it and it creates Sonicwall.cfg.



Sonicwall.cfg

Now to poll this device you will need to use wperl. To do this open up your text editor and enter in the following command: -

```
start wperl mrtg --logging=eventlog Sonicwall.cfg
```

Then save this in the “C:\MRTG-2.10.5\bin” directory, this time as “Poll MRTG devices.bat”

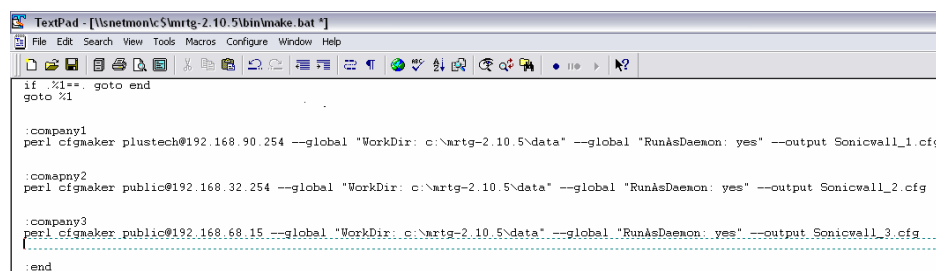
When you double click this batch file the wperl service starts and polls the device every 5 minutes. To start this when you computer boots put a shortcut to this file in the “startup” folder.

Now here is the clever bit.

If you want to create multiple cfg files you can enter multiple commands into the makecfg.bat file. However if you only want to run one command at a time you have to add bookmarks as well.

Below is an example of a makecfg.bat file with 3 createcfg commands. Above each command is a bookmark plus an end bookmark at the bottom. At the top of the file I have added the following commands.

“if .%1==. goto end”
“goto %1”



```

if .%1==. goto end
goto %1

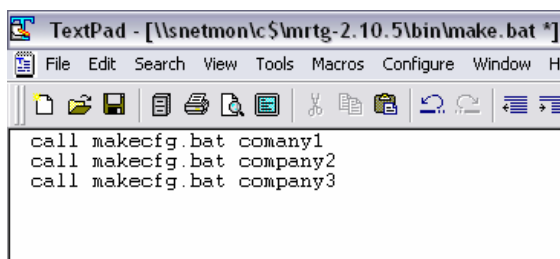
.company1
perl cfgmaker plustech@192.168.90.254 --global "WorkDir: c:\mrtg-2.10.5\data" --global "RunAsDaemon: yes" --output Sonicwall_1.cfg

.company2
perl cfgmaker public@192.168.32.254 --global "WorkDir: c:\mrtg-2.10.5\data" --global "RunAsDaemon: yes" --output Sonicwall_2.cfg

.company3
perl cfgmaker public@192.168.68.15 --global "WorkDir: c:\mrtg-2.10.5\data" --global "RunAsDaemon: yes" --output Sonicwall_3.cfg

end
  
```

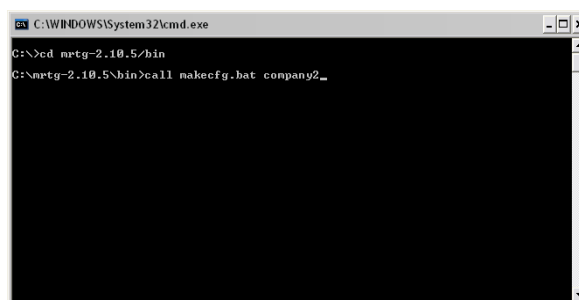
Once the changes have been made another batch file, which links to the one shown above can be made. This should look like the one shown opposite. This can then be saved as “makeall.bat” in the same directory.



```

call makecfg.bat comany1
call makecfg.bat company2
call makecfg.bat company3
  
```

To create to create cfg files for companies 1, 2 and 3 then you can open the file, however if you want to create company 2’s cfg file only, then do the following:



```

C:\>cd mrtg-2.10.5\bin
C:\mrtg-2.10.5\bin>call makeall.bat company2_
  
```

Open a command prompt and navigate to the “C:\MRTG-2.10.5\bin” directory and type: -

call makecfg.bat company2

This will then create only Sonicwall_2.cfg.