

eFive - Change VPN Keepalive settings

Standard settings for the eFive keepalive settings are: keepalive 8 30.

The keepalive parameters of the eFive can currently not be modified using eFive Web interface. This option will be added soon.

However it is possible to change the keepalive settings using an SSH access to the eFive. This procedure is described hereunder.

Once the VPN keepalive settings changed on the eFive, the eWON will then also have its keepalive parameters updated because the parameters are pushed to the VPN client during VPN connection initialization.

Keepalive settings update on eFive:

1. Enable SSH access on your eFive device (System / SSH Access)
2. Using an SSH client (like putty for example) connect to the eFive using port 8022 and username: root.
3. Browse to the folder `/home/httpd/cgi-bin/`: type

```
cd /home/httpd/cgi-bin/
```

4. Make a backup of the config file before changing its contents: type

```
cp efiveopenvpn.cgi efiveopenvpn_bck.cgi
```

5. Open the file called `efiveopenvpn.cgi` for edition: type

```
vi efiveopenvpn.cgi
```

6. Go to the line of the keepalive settings: type

```
/keep
```

7. You'll find the line containing following parameters: print `CONF "keepalive 8 30\n";`

8. Change now the keepalive settings to the new value, like for example:

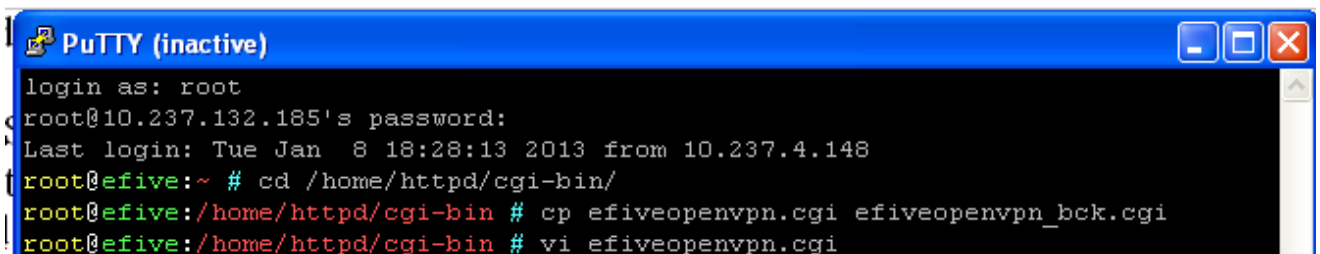
```
print CONF "keepalive 32 120\n";
```

To perform the change use following key sequence:

- A) Change the value:
 - Press the "Insert" key to switch into insert mode.
 - Change the value. Attention "Backspace" key does not work. You'll need to use the "Delete" key instead.
- B) Save changes and exit file
 - Press "ESC" key to leave the insert mode
 - To save the file type following command (confirm using Enter Key):
:w
 - To quit the file type following command (confirm using Enter Key):
:q
 - Note: To close the file without modification use following command (confirm using Enter Key):
:q!

9. Now restart the VPN server of your eFive to take the modification into account.

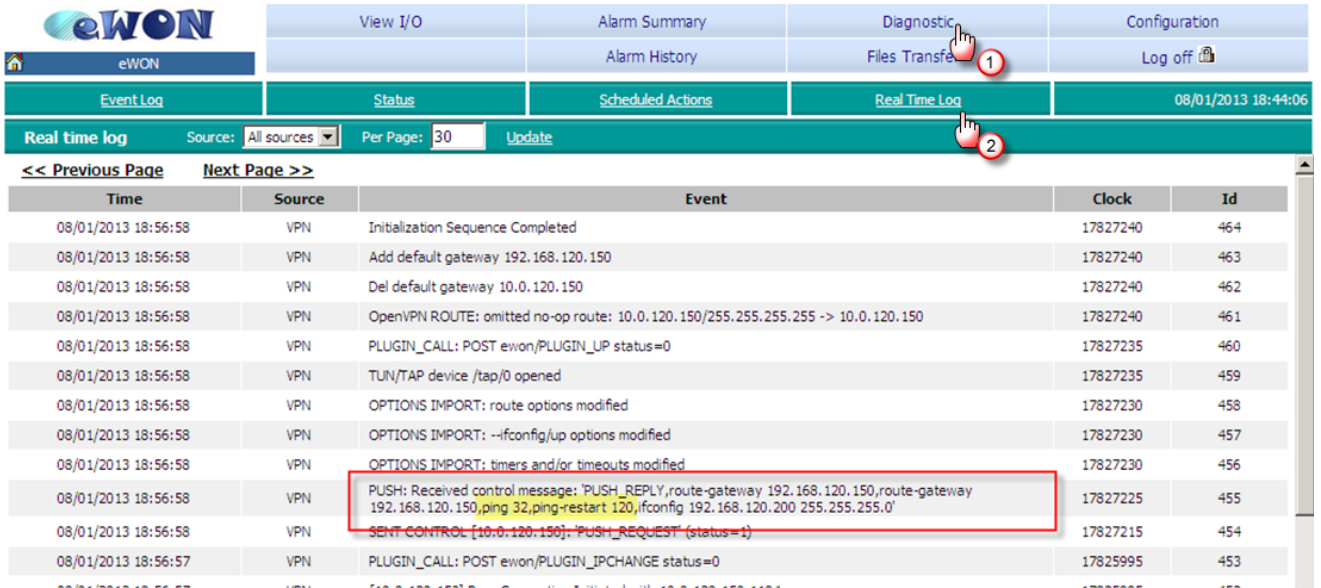
Printscreen showing the SSH client (Putty) and command lines:



```
PuTTY (inactive)
login as: root
root@10.237.132.185's password:
Last login: Tue Jan  8 18:28:13 2013 from 10.237.4.148
root@efive:~ # cd /home/httpd/cgi-bin/
root@efive:/home/httpd/cgi-bin # cp efiveopenvpn.cgi efiveopenvpn_bck.cgi
root@efive:/home/httpd/cgi-bin # vi efiveopenvpn.cgi
```

To check on the eWON if the new keep alive settings have been taken into account, you can set the VPN diagnostic level to medium and check inside the eWON VPN log if the keepalive parameters have been correctly pushed by the VPN server.

For example:



View I/O Alarm Summary Diagnostic Configuration

Alarm History Files Transfer Log off

Event Log Status Scheduled Actions Real Time Log 08/01/2013 18:44:06

Real time log Source: All sources Per Page: 30 Update

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Time	Source	Event	Clock	Id
08/01/2013 18:56:58	VPN	Initialization Sequence Completed	17827240	464
08/01/2013 18:56:58	VPN	Add default gateway 192.168.120.150	17827240	463
08/01/2013 18:56:58	VPN	Del default gateway 10.0.120.150	17827240	462
08/01/2013 18:56:58	VPN	OpenVPN ROUTE: omitted no-op route: 10.0.120.150/255.255.255.255 -> 10.0.120.150	17827240	461
08/01/2013 18:56:58	VPN	PLUGIN_CALL: POST ewon/PLUGIN_UP status=0	17827235	460
08/01/2013 18:56:58	VPN	TUN/TAP device /tap0 opened	17827235	459
08/01/2013 18:56:58	VPN	OPTIONS IMPORT: route options modified	17827230	458
08/01/2013 18:56:58	VPN	OPTIONS IMPORT: --ifconfig/up options modified	17827230	457
08/01/2013 18:56:58	VPN	OPTIONS IMPORT: timers and/or timeouts modified	17827230	456
08/01/2013 18:56:58	VPN	PUSH: Received control message: 'PUSH_REPLY,route-gateway 192.168.120.150,route-gateway 192.168.120.150,ping 32,ping-restart 120,ifconfig 192.168.120.200 255.255.255.0'	17827225	455
08/01/2013 18:56:58	VPN	SENT CONTROL [10.0.120.150]: 'PUSH_REQUEST' (status=1)	17827215	454
08/01/2013 18:56:57	VPN	PLUGIN_CALL: POST ewon/PLUGIN_IPCHANGE status=0	17825995	453



Revision

Revision History

Revision Level	Date	Description
1.0	09/01/2013	Creation of document

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