

CONF_GUI V1.0

Release history

Version	Author	Comments
1.0	Gijsbert Wiesenekker	Initial release

Description

This zip file provides a simple GUI for custom probes: if you double click on the probe in Infrastructure Manager it will launch Notepad with a copy of the configuration file. It will keep previous versions of the configuration file in the probe directory and a history of changes in a <history> section of the configuration file.

Note that the GUI assumes that the hub listens on port 48002. `nimNamedRequests` calls to the controller do not seem to work from a probe GUI so I use `nimRequest` as a workaround, but that requires the ip-address and port number of the controller. You can get those from the `nimGetIpToName` call but that also does not seem to work from a probe GUI, so I use the `nametoip` callback of the hub, but that requires the ip-address and port number of the hub. The ip-address of the hub is passed as the `-c` argument to the probe GUI, but not the port. I have not been able to figure out yet how to query the port that the hub listens on from a probe GUI.

Installation

The zip file is NOT a probe package. Just unzip it to a directory of your choice.

Usage

Copy `conf_gui.exe` to `conf_<name-of-your-custom-probe>.exe`. Create a GUI section in the probe package with GUI as 0stype and add the `conf_<name-of-your-custom-probe>.exe` to the files section and specify `util` as the Path. The following screenshot gives an example for my forecast probe:

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Package: forecast

Properties

Name: forecast Author: root

Description: Forecasts QoS values Date: 10/21/2015

Copyright: (C) Copyright 2015 Version: 1.7 No direct install ☐

Group: SLM Build: 78 License required ☐

Common win32 LINUX_23_64 GUI

OSType: GUI OS:

Files Probe definitions Environment variables Dependencies Miscellaneous

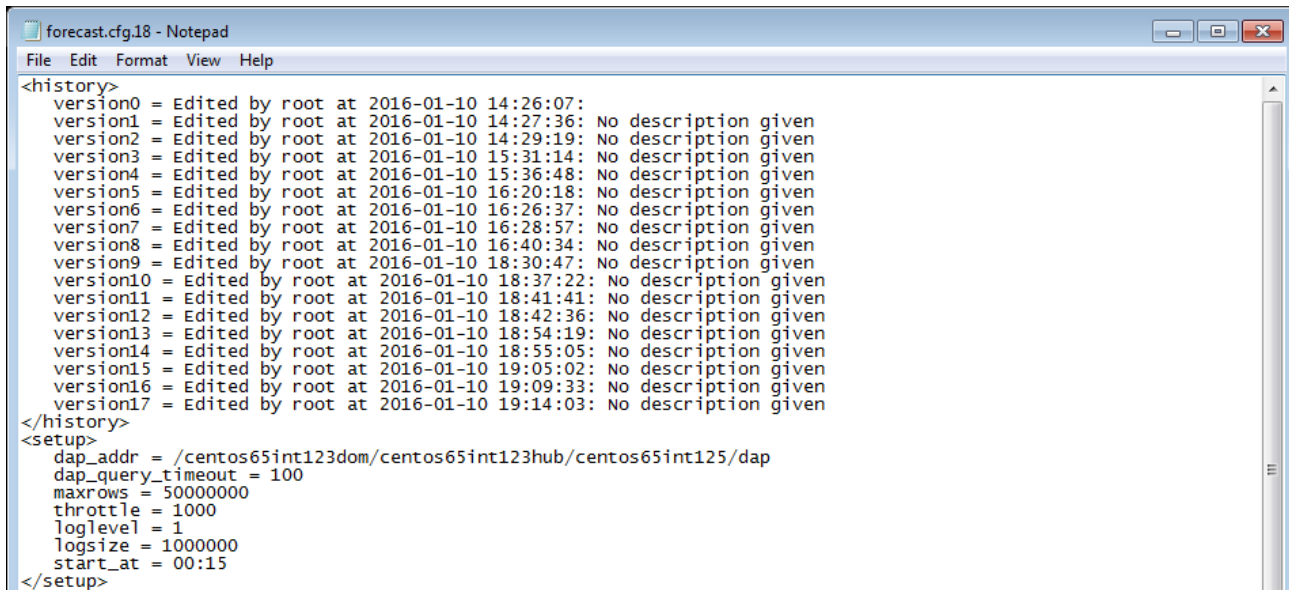
Name	Type	Mode	Path
conf_forecast.exe	binary	0755	util

Ok Cancel Help

If you now double-click on the probe in IM it will launch the `conf_<name-of-your-custom-probe>.exe` executable. It will print the location of the log-file and launch Notepad with a copy of the configuration file:

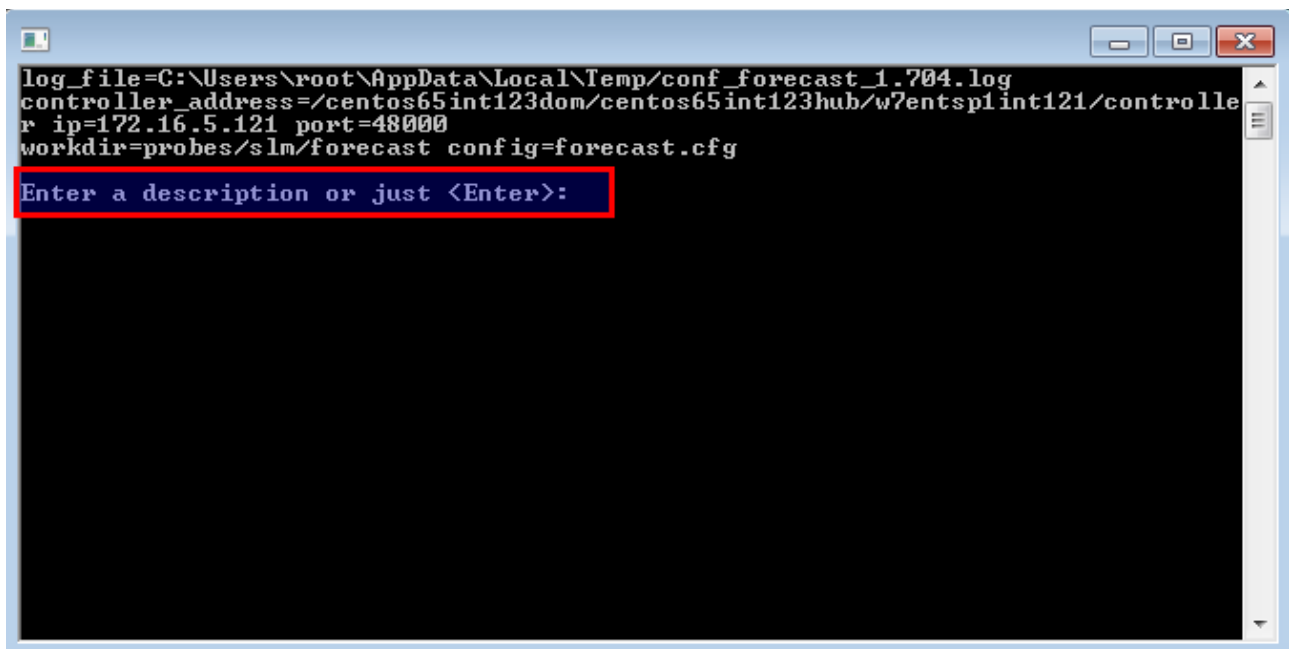
```
log_file=C:\Users\root\AppData\Local\Temp\conf_forecast_1.704.log
controller_address=/centos65int123dom/centos65int123hub/w/entspint121/controlle
r ip=172.16.5.121 port=48000
workdir=probes/slm/forecast config=forecast.cfg
```

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```
forecast.cfg18 - Notepad
File Edit Format View Help
<history>
version0 = Edited by root at 2016-01-10 14:26:07:
version1 = Edited by root at 2016-01-10 14:27:36: No description given
version2 = Edited by root at 2016-01-10 14:29:19: No description given
version3 = Edited by root at 2016-01-10 15:31:14: No description given
version4 = Edited by root at 2016-01-10 15:36:48: No description given
version5 = Edited by root at 2016-01-10 16:20:18: No description given
version6 = Edited by root at 2016-01-10 16:26:37: No description given
version7 = Edited by root at 2016-01-10 16:28:57: No description given
version8 = Edited by root at 2016-01-10 16:40:34: No description given
version9 = Edited by root at 2016-01-10 18:30:47: No description given
version10 = Edited by root at 2016-01-10 18:37:22: No description given
version11 = Edited by root at 2016-01-10 18:41:41: No description given
version12 = Edited by root at 2016-01-10 18:42:36: No description given
version13 = Edited by root at 2016-01-10 18:54:19: No description given
version14 = Edited by root at 2016-01-10 18:55:05: No description given
version15 = Edited by root at 2016-01-10 19:05:02: No description given
version16 = Edited by root at 2016-01-10 19:09:33: No description given
version17 = Edited by root at 2016-01-10 19:14:03: No description given
</history>
<setup>
dap_addr = /centos65int123dom/centos65int123hub/centos65int125/dap
dap_query_timeout = 100
maxrows = 50000000
throttle = 1000
loglevel = 1
logsize = 1000000
start_at = 00:15
</setup>
```

When you save the configuration file you are given the opportunity to document the change:



```
log_file=C:\Users\root\AppData\Local\Temp\conf_forecast_1.704.log
controller_address=/centos65int123dom/centos65int123hub/w?entspiint121/controlle
r_ip=172.16.5.121 port=48000
workdir=probes/slm/forecast config=forecast.cfg
Enter a description or just <Enter>:
```

The decription will be added to the <history> section of the configuration file preceded by the user-name who made the change and the time at which the change occurred:

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```
forecast.cfg.20 - Notepad
File Edit Format View Help
<history>
version0 = Edited by root at 2016-01-10 14:26:07:
version1 = Edited by root at 2016-01-10 14:27:36: No description given
version2 = Edited by root at 2016-01-10 14:29:19: No description given
version3 = Edited by root at 2016-01-10 15:31:14: No description given
version4 = Edited by root at 2016-01-10 15:36:48: No description given
version5 = Edited by root at 2016-01-10 16:20:18: No description given
version6 = Edited by root at 2016-01-10 16:26:37: No description given
version7 = Edited by root at 2016-01-10 16:28:57: No description given
version8 = Edited by root at 2016-01-10 16:40:34: No description given
version9 = Edited by root at 2016-01-10 18:30:47: No description given
version10 = Edited by root at 2016-01-10 18:37:22: No description given
version11 = Edited by root at 2016-01-10 18:41:41: No description given
version12 = Edited by root at 2016-01-10 18:42:36: No description given
version13 = Edited by root at 2016-01-10 18:54:19: No description given
version14 = Edited by root at 2016-01-10 18:55:05: No description given
version15 = Edited by root at 2016-01-10 19:05:02: No description given
version16 = Edited by root at 2016-01-10 19:09:33: No description given
version17 = Edited by root at 2016-01-10 19:14:03: No description given
version18 = Edited by root at 2016-01-10 19:22:45: No description given
version19 = Edited by root at 2016-01-10 19:24:21: Readme-CONF_GUI
</history>
<setup>
dap_addr = /centos65int123dom/centos65int123hub/centos65int125/dap
dap_query_timeout = 100
maxrows = 50000000
throttle = 1000
loglevel = 1
logsize = 1000000
start_at = 00:15
</setup>
```

Previous versions of the configuration files are stored in the probe directory:

```
C:\Program Files (x86)\Nimsoft\probes\slm\forecast>dir /Od forecast.cfg*
Volume in drive C has no label.
Volume Serial Number is DC6F-A9EF

Directory of C:\Program Files (x86)\Nimsoft\probes\slm\forecast

01/10/2016  02:26 PM                584 forecast.cfg.0
01/10/2016  02:27 PM                738 forecast.cfg.1
01/10/2016  02:29 PM                812 forecast.cfg.2
01/10/2016  03:31 PM                887 forecast.cfg.3
01/10/2016  03:36 PM                962 forecast.cfg.4
01/10/2016  04:20 PM             1,037 forecast.cfg.5
01/10/2016  04:26 PM             1,112 forecast.cfg.6
01/10/2016  04:28 PM             1,187 forecast.cfg.7
01/10/2016  04:40 PM             1,262 forecast.cfg.8
01/10/2016  06:30 PM             1,337 forecast.cfg.9
01/10/2016  06:37 PM             1,412 forecast.cfg.10
01/10/2016  06:41 PM             1,488 forecast.cfg.11
01/10/2016  06:42 PM             1,564 forecast.cfg.12
01/10/2016  06:54 PM             1,640 forecast.cfg.13
01/10/2016  06:55 PM             1,716 forecast.cfg.14
01/10/2016  07:05 PM             1,792 forecast.cfg.15
01/10/2016  07:09 PM             1,868 forecast.cfg.16
01/10/2016  07:14 PM             1,944 forecast.cfg.17
01/10/2016  07:22 PM             2,020 forecast.cfg.18
01/10/2016  07:24 PM             2,096 forecast.cfg.19
01/10/2016  07:24 PM             2,167 forecast.cfg
                21 File(s)          29,625 bytes
                 0 Dir(s)  1,476,661,248 bytes free
```

Finally the log-file contains troubleshooting information.