4/11/2013

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| Usage examples for: wptest.py | Vitalie Ghelbert - Moldova |



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| Gilat | NGNMS – AUTOMATED TESTING |

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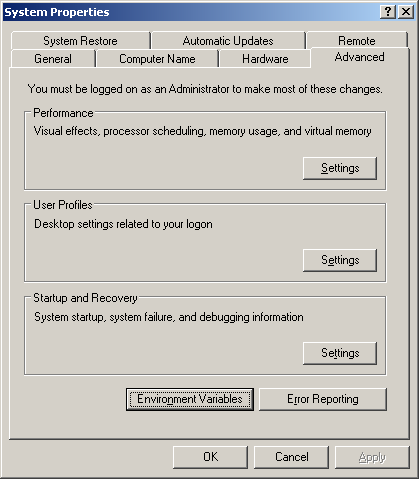
[Configuring VSAT. 1](#_Toc353452793)

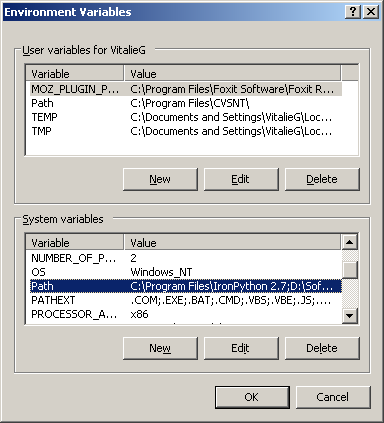
# Instalation

* install python 2.7.3:
  + 32 bit: <http://python.org/ftp/python/2.7.3/python-2.7.3.msi>
  + 64 bit: <http://python.org/ftp/python/2.7.3/python-2.7.3.amd64.msi>
* install pycurl 32bit or 64 bit <http://www.lfd.uci.edu/~gohlke/pythonlibs/#pycurl>
* install setuptools: <https://pypi.python.org/packages/2.7/s/setuptools/setuptools-0.6c11.win32-py2.7.exe#md5=57e1e64f6b7c7f1d2eddfc9746bbaf20>

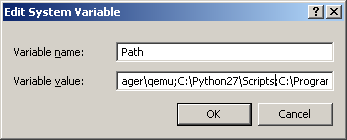
Add python path to PATH variable:

C:\Python27; C:\Python27\Scripts;





Select PATH variable and press Edit:



Copy and Paste C:\Python27; C:\Python27\Scripts; and press OK.

Note: don’t miss (;) at the end!

## Install xlrd, xlwt, xlutils

C:\Documents and Settings\VitalieG\git\ngnms>easy\_install xlrd

Searching for xlrd

Best match: xlrd 0.9.0

Processing xlrd-0.9.0-py2.7.egg

xlrd 0.9.0 is already the active version in easy-install.pth

Installing runxlrd.py script to C:\Python27\Scripts

Using c:\python27\lib\site-packages\xlrd-0.9.0-py2.7.egg

Processing dependencies for xlrd

C:\Documents and Settings\VitalieG\git\ngnms>easy\_install xlwt

Searching for xlwt

Best match: xlwt 0.7.4

Processing xlwt-0.7.4-py2.7.egg

xlwt 0.7.4 is already the active version in easy-install.pth

Using c:\python27\lib\site-packages\xlwt-0.7.4-py2.7.egg

Processing dependencies for xlwt

Finished processing dependencies for xlwt

C:\Documents and Settings\VitalieG\git\ngnms>easy\_install xlutils

Searching for xlutils

Best match: xlutils 1.5.2

Processing xlutils-1.5.2-py2.7.egg

xlutils 1.5.2 is already the active version in easy-install.pth

Installing margins-script.py script to C:\Python27\Scripts

Installing margins.exe script to C:\Python27\Scripts

Installing margins.exe.manifest script to C:\Python27\Scripts

Using c:\python27\lib\site-packages\xlutils-1.5.2-py2.7.egg

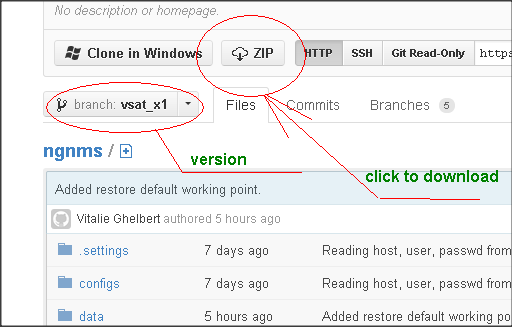
Processing dependencies for xlutils

Finished processing dependencies for xlutils

## Getting ngnms testing tool.

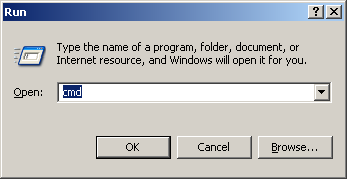
Download and unzip:

<https://github.com/gvitalie/ngnms>



# Usage examples

Open cmd to unzipped folder:



## Show help

C:\Documents and Settings\VitalieG\git\ngnms>wptest.py --help

Usage: wptest.py [options]

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Options:

--version show program's version number and exit

-h, --help show this help message and exit

-c DEVICE, --check=DEVICE

check [hub, vsat]'s status.

-n NAME, --name=NAME vsat name to check.

-s INFO, --show=INFO show [all, hub, vsat, test]'s info.

-d, --disabled show disabled rows only.

-i INFILE, --in-file=INFILE

testcases input file [default: data/demo.xls]

-o OUTFILE, --out-file=OUTFILE

save result to file [default: data/output.xls]

-r, --run run one or [default:enabled] test cases

wptest.py - read and run test cases from excel file.

## Show active vsat’s

* wptest.py --show vsat
* wptest.py --show vsat --disabled

C:\Documents and Settings\VitalieG\git\ngnms>wptest.py --show vsat

============================================================

INFO: Excel file data/demo.xls!

============================================================

HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH

ENABLED

HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

VSAT : ENABLED

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

------------------------------------------------------------

VSAT : V1 : ENABLED

------------------------------------------------------------

Active = x

Name = V1

Console IP = 192.168.140.76

Console PORT = 1010

Connection timeout = 10

Number of tries = 3

Tries timeout = 10

------------------------------------------------------------

C:\Documents and Settings\VitalieG\git\ngnms>wptest.py --show vsat --disabled

============================================================

INFO: Excel file data/demo.xls!

============================================================

HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH

DISABLED

HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

VSAT : DISABLED

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

------------------------------------------------------------

VSAT : V2 : DISABLED

------------------------------------------------------------

Active =

Name = V2

Console IP = 192.168.140.76

Console PORT = 1016

Connection timeout = 10

Number of tries = 3

Tries timeout = 10

------------------------------------------------------------

------------------------------------------------------------

VSAT : V3 : DISABLED

------------------------------------------------------------

Active =

Name = V3

Console IP = 192.168.140.76

Console PORT = 101

Connection timeout = 10

Number of tries = 3

Tries timeout = 10

------------------------------------------------------------

## Show one particular vsat

* wptest.py --show vsat --name V4

C:\Documents and Settings\VitalieG\git\ngnms>wptest.py --show vsat --name V4

============================================================

INFO: Excel file data/demo.xls!

============================================================

HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH

ENABLED

HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

VSAT : ENABLED

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

VSAT: V1

HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH

DISABLED

HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

VSAT : DISABLED

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

VSAT: V2

VSAT: V3

------------------------------------------------------------

VSAT : V4 : DISABLED

------------------------------------------------------------

Active =

Name = V4

Console IP = 10.111.35.6

Console PORT = 1004

Connection timeout = 10

Number of tries = 3

Tries timeout = 10

------------------------------------------------------------

VSAT: V5

VSAT: V9

VSAT: V10

## Show hub configuration

* wptest.py --show hub
* wptest.py --show hub --disabled

C:\Documents and Settings\VitalieG\git\ngnms>wptest.py --show hub

============================================================

INFO: Excel file data/demo.xls!

============================================================

HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH

ENABLED

HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

HUB : ENABLED

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

------------------------------------------------------------

HUB : NS\_3 : ENABLED

------------------------------------------------------------

Active = x

Name = NS\_3

Type = NS

URL = https://172.20.255.1

User = rnd

Password = 6DTR2ZHGS6MQQ

------------------------------------------------------------

C:\Documents and Settings\VitalieG\git\ngnms>wptest.py --show hub --disabled

============================================================

INFO: Excel file data/demo.xls!

============================================================

HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH

DISABLED

HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

HUB : DISABLED

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

------------------------------------------------------------

HUB : NS\_3 : DISABLED

------------------------------------------------------------

Active =

Name = NS\_3

Type = NS

URL = https://ngnms-server/

User = admin

Password = manager

------------------------------------------------------------

## Checking vsat

* wptest.py --check vsat
* wptest.py --check vsat --name V2

C:\Documents and Settings\VitalieG\git\ngnms>wptest.py --check vsat

============================================================

INFO: Excel file data/demo.xls!

============================================================

HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH

ENABLED

HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH

------------------------------------------------------------

-- V1 : ENABLED --

------------------------------------------------------------

Active = x

Name = V1

Console IP = 192.168.140.76

Console PORT = 1010

Connection timeout = 10

Number of tries = 3

Tries timeout = 10

step:\> Checking connection ...

status: -> SUCCESS!

step:\> Checking link status!

status: Total Backbone Links UP = 1

status: ->Link UP!

------------------------------------------------------------

C:\Documents and Settings\VitalieG\git\ngnms>wptest.py --check vsat --name V1

============================================================

INFO: Excel file data/demo.xls!

============================================================

HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH

ENABLED

HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH

------------------------------------------------------------

-- V1 : ENABLED --

------------------------------------------------------------

Active = x

Name = V1

Console IP = 192.168.140.76

Console PORT = 1010

Connection timeout = 10

Number of tries = 3

Tries timeout = 10

step:\> Checking connection ...

status: -> SUCCESS!

step:\> Checking link status!

status: Total Backbone Links UP = 1

status: ->Link UP!

------------------------------------------------------------

============================================================

INFO: Excel file data/demo.xls!

============================================================

HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH

DISABLED

HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH

VSAT : V2

VSAT : V3

VSAT : V4

VSAT : V5

VSAT : V9

VSAT : V10

## Checking hub

* wptest.py --check hub

C:\Documents and Settings\VitalieG\git\ngnms>wptest.py --check hub

============================================================

INFO: Excel file data/demo.xls!

============================================================

step:\> Connecting to: https://ngnms-server

info:\> [user: admin] [password: manager]

status: 200 https://ngnms-server/navigation/statustree/network

step:\> Scanning ngnms network tree ...

------------------------------------------------------------

Teleport: main

Satellite: Satellite

RF Cluster: rfCluster 1

NS: controller

------------------------------------------------------------

info:\> Available network segments names on server:

controller = 579

## Run one particular test

* wptest.py --run --name 1

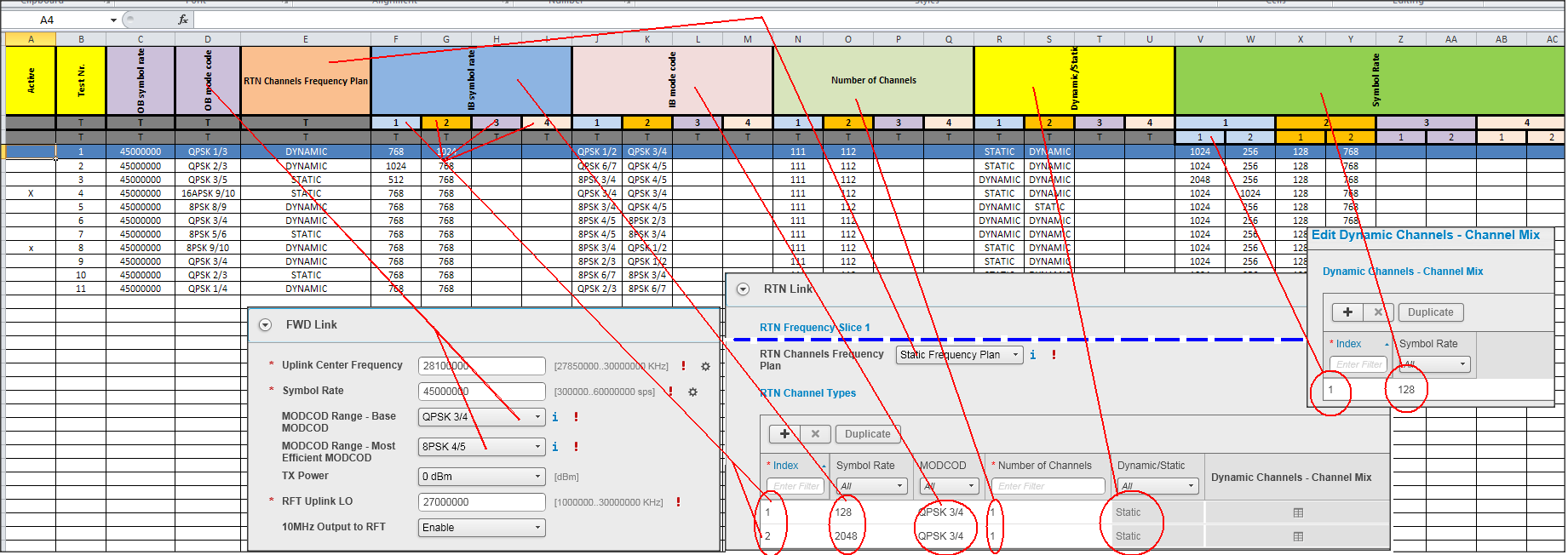
## Run all active test cases

* wptest.py --run

Note: to run all disabled tests use --disabled option.

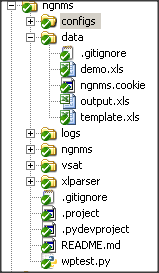
* wptest.py --run --disabled

# Configuring TESTCASES



By default, you could use demo.xls file from data directory.

Hint: Make a copy before changing demo.xls file.



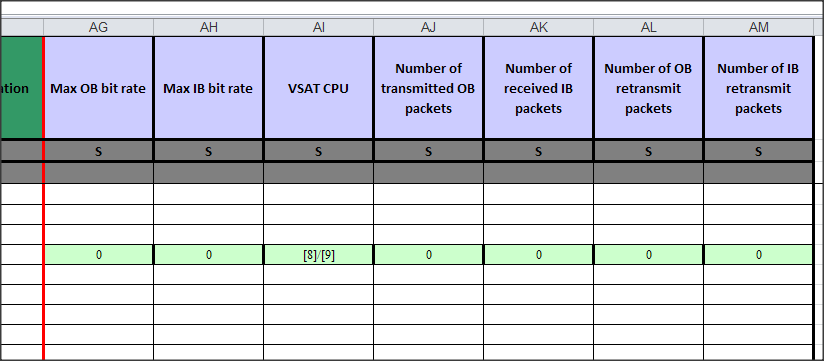
You can specify witch input file to use with -i option and where to store data with -o option:

wptest.py -i data/demo.xls -o data/output.xls --run --name 4

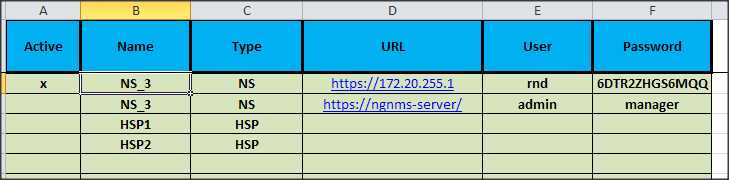
that will read test cases from [data/demo.xls] file, and store to [data/output.xls] file.

NOTE: by default, if no -i and -o options provided, [data/demo.xls] and [data/output.xls] are used.

## Data from output.xls file after running test



## Configuring HUB.



Active: just one line should be active.

Name: fill here network segment name

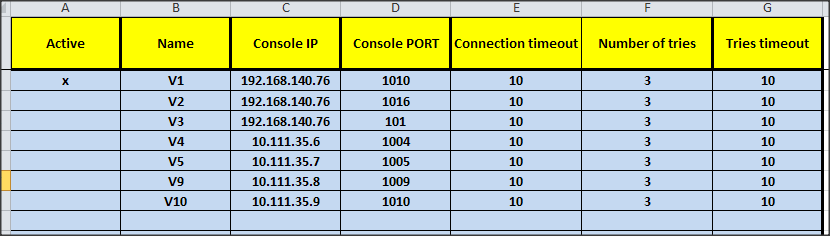
Type: optional

URL: ngnms link

User: ngnms user

Password: ngnms password

## Configuring VSAT.



Active: just one line should be active.

Name: fill correct Vsat name.

Console IP: telnet ip connection

Console Port: telnet port connection

Connection timeout: time until timeout

Number of tries: how many tries to check until link UP.

Tries timeout: time between each try if vsat has link DOWN.