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**Updated:**

06/11/19: using –fi with a user defined input file was not tested correctly

: added example how to generate a list of devices to check

# Port Check version 1.3

When implementing UIM we have as pre-requisite that certain ports are opened between the UIM server and each robot (each production server)

From the UIM server to each robot we need tcp port 48000.

In almost each implementation we encounter port problems on several servers because the port(s) are not opened correctly.

This small tool: port.check.pl will help you proving/showing if the required ports are open, or not.

## 1 - server and port to check

You have several possibilities to define your list of servers/ports to check.

* if you use program switch -hi"server1:port|server2:port" this list will be selected and none of the following file options is selected
* if no -hi switch is used, the program will check if you used the -di (=directory) and/or -fi (file) options. If these are used the next options are bypassed.

Example: -di"c:\temp" -fi"port\_check\_to\_test.txt"

* check if file: port\_check.txt is available or in the directory specified by -di or in the directory where the tool is located.
* and finally, if all previous options are a no, the tool will check if there is a file: port\_check\_%computername%.txt available in the directory specified by -di or in the directory of the tool.

When defined via a file the format is 1 server:port per line.

Example:

server1:48000

server2:48000

server2:443

server2:http(80)

www.ca.com:80

## 2 - input switches

* **-hi**: input server and port, like: "server1:48000|server2:48000"
* **-po**: print also the servers where the port is open (y,n) default: n
* **-cp**: perform a ping for servers where the port is closed (y,n) default: n
* **-pc**: print counters for each print statement (y,n) default: n
* **-pt**: print totals at the end (y,n) default: y
* **-di**: optional input directory. Default: directory where the tool is located
* **-fi**: optional input file. Default: port\_check.txt or port\_check\_%computername%.txt

## 3 - Input File generation

When you want to check the ports of a selection of your discovered UIM robots you can use the tool: nimsoft\_generate\_pu.pl with the parameter -sl"y" to generate a list of selected servers.

Example: Generate a port\_check for all servers under hub “aaa” (regex definition)

perl nimsoft\_generate\_pu.pl -sl"y" -sc"$o\_ip:48000" -bh"n" -bi"n" -hi"aaa"

By default the result will be written in:

C:\temp\c:\temp\report\_nimsoft\_generate\_pu.txt

* -sl”y”: generate output file
* -sc”..”: command to generate, can contain variables
* -bh”n”: bypass hub robots
* -bi”n”: bypass inactive robots
* -hi”aaa”: hub include regex

Now you can use:

Perl port\_check.pl –fi” c:\temp\report\_nimsoft\_generate\_pu.txt” -po”y”

* -po”y”: receive a message for each successful check (by default you receive only a message when a check is unsuccessful)