

## Network Tools - Feature #1694

### Add ability to perform a ping

01/19/2017 11:53 PM - Luke Murphey

<b>Status:</b>	Closed	<b>Start date:</b>	01/19/2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Luke Murphey	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	0.5		
<b>Description</b>			

#### Associated revisions

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##### Revision 24 - 01/28/2017 02:55 AM - Imurphey

Adding ping command

Reference #1694

##### Revision 25 - 01/28/2017 08:11 PM - Imurphey

Adding parsing of ping output

Reference #1694

##### Revision 27 - 01/28/2017 08:21 PM - Imurphey

Making output of pingparser ordered

Reference #1694

#### History

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##### #1 - 01/25/2017 05:36 AM - Luke Murphey

- Target version set to 0.5

##### #2 - 01/28/2017 01:01 AM - Luke Murphey

Using built-in commands:

- <http://stackoverflow.com/questions/2953462/pinging-servers-in-python>
- <http://www.opentechguides.com/how-to/article/python/57/python-ping-subnet.html>

Using raw sockets and pure python:

- <https://pypi.python.org/pypi/python-ping/2011.10.17.376a019>
- <https://www.g-loaded.eu/2009/10/30/python-ping/>
- <https://pypi.python.org/pypi/pypping/>
- <https://pypi.python.org/pypi/ping/0.1>

### #3 - 01/28/2017 02:32 AM - Luke Murphey

This works:

```
subprocess.check_output(["ping", "-c", "1", "10.0.0.6"])
```

### #4 - 01/28/2017 02:52 AM - Luke Murphey

Have search command written. I need to parse the following:

- host
- packets transmitted
- packets received
- packet loss
- RTT for each request

### #5 - 01/28/2017 06:51 AM - Luke Murphey

```
sourcetype=ping | rex field=_raw "time=(?P<rtt>[^\ ]+)"
```

### #6 - 01/28/2017 07:08 PM - Luke Murphey

- <https://pypi.python.org/pypi/pingparsing/0.2.5>
- <https://github.com/thombashi/pingparsing>
- <http://pingparsing.readthedocs.io/en/latest/pages/usage/index.html#parsing-ping-command-output>

### #7 - 01/28/2017 07:09 PM - Luke Murphey

Based on <http://pingparsing.readthedocs.io/en/latest/pages/usage/index.html#parsing-ping-command-output>, it appears that parsing may not work on non-English locales.

### #8 - 01/28/2017 07:22 PM - Luke Murphey

Using:

- six-1.10.0
- pyparsing-2.1.10
- DataProperty 0.16.0 (<https://github.com/thombashi/DataProperty/releases>)

### #9 - 01/28/2017 07:22 PM - Luke Murphey

DataProperty has a bunch of deps including pytz <https://github.com/thombashi/DataProperty#dependencies>

### #10 - 01/28/2017 07:35 PM - Luke Murphey

pingparsing doesn't handle mac apparently.

### #11 - 01/28/2017 07:56 PM - Luke Murphey

Using this one now: <https://github.com/ssteinerx/pingparser/blob/master/pingparser.py>

**#12 - 01/28/2017 08:22 PM - Luke Murphey**

- Status changed from New to Closed

- % Done changed from 0 to 100

**#13 - 01/28/2017 08:22 PM - Luke Murphey**

- Status changed from Closed to In Progress

- % Done changed from 100 to 90

**#14 - 01/28/2017 08:22 PM - Luke Murphey**

Need to test on Windows and Unix

**#15 - 01/29/2017 05:57 AM - Luke Murphey**

- Status changed from In Progress to Closed

- % Done changed from 90 to 100