

# Tester

**Library version:** RENAT 0.1.8  
**Library scope:** test suite  
**Named arguments:** supported

## Introduction

A class provides keywords for controlling testers and traffic generators.

It could load predefined traffic file, manipulate traffic items, start and stop traffic flows. It also could generate traffic reports and support QuickTest for IxNetwork.

Tester information is stored in the active `local.yaml` likes this:

```
tester:  
  tester01:  
    device: ixnet03_8009  
    config: vmx_20161129.ixncfg  
    real_port:  
      - description: to egde router
```

chassis: 10.128.32.71

```
card: 6  
port: 11  
- description: to backbone router
```

chassis: 10.128.32.71

```
card: 6  
port: 9
```

where `device` is the tester defined in the master `device.yaml` file. If `real_port` does not exist, port remapping will not take place. Otherwise, port remapping will use the `real_port` information to reassign all existed ports and map to Ixia ports.

In this case, the order will be the order when user created the port in Ixia GUI.

**Note:** User can always confirm the created order by `clear sorting` in Ixia GUI.

Examples:

Tester. <a href="#">Connect All</a>	
Tester. <a href="#">Switch</a>	tester01
Tester. <a href="#">Load And Start Traffic</a>	
<a href="#">Sleep</a>	30s
Tester. <a href="#">Stop Traffic</a>	

Time format used in this module is same with `time string` format of Robot Framework. For more details about this, see [DateTime](#) library of Robot Framework.

**Note:** See [IxNet module](#), [IxLoad module](#) for details about keyword of each module.

## Shortcuts

Close All · Connect · Connect All · Switch

## Keywords

Keyword	Arguments	Documentation
<b>Close All</b>		Closes all connections
<b>Connect</b>	<i>name</i>	Connect to the tester <i>name</i>
<b>Connect All</b>		Connects to all testers
<b>Switch</b>	<i>name</i>	Switchs the current tester to <i>name</i>

Altogether 4 keywords.

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