

Tester

Library version: RENAT 0.1.14
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.

Testers are defined in global `device.yaml` likes this:

```
ixnet01_8010:  
  type: ixnet  
  description: TCL server 8.01  
  ip: 10.128.4.21  
  port: 8010  
  chassis:  
    - 10.128.4.40  
    - 10.128.4.41
```

`ip` is the the IP of Ixia application server and `chassis` section is optional which describe all the chassis in the chain.

Tester information is stored in the active `local.yaml`. The syntax is slightly different depending on the tester platform. Below is sample for IxNetwork.

```
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. Switch | tester01 |
| Tester. Load And Start Traffic | |
| Sleep | 30s |
| Tester. Stop Traffic | |

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 |
|--------------------|-------------|---|
| Close All | | Closes all connections |
| Connect | <i>name</i> | Connect to the tester <i>name</i> |
| Connect All | | Connects to all testers |
| Switch | <i>name</i> | Switchs the current tester to <i>name</i> |

Altogether 4 keywords.

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