OpticalSwitch

Library version:	RENAT 0.1.14
Library scope:	test suite
Named arguments:	supported

Introduction

A library provides control for L1 Optical Switch

Unlike other device, there is no *Switch* keywork with optical switch. Usually user only need to care about the interfaces not the ports of the switches.

Shortcuts

Add · **C**lear By File · **C**lose All · **C**onnect All · **D**elete · **G**et Connection Info · **L**oad From File · **S**ave To File

Keywords

Keyword	Arguments	Documentation
Add	*dev1*, *intf1*, *dev2*, *intf2*, *direction=bi*, *force=False*	Adds a connection. See details in each module help
Clear By File	*file_name=*, *comment=#*	Clears all x-connections defined in the *connection file* Default *connection file* is defined in `optic/connection` of `config/local.yaml`
Close All		Close all connections
Connect All		Connect to all L1 switch and read all neccesary information
Delete	*dev1*, *intf1*, *dev2*, *intf2*, *direction=bi*, *force=False*	Deletes a connection. See details in each module help
Get Connection Info	*dev*, *intf*	Returns connection information. See details in each module help.
Load From File	*file_name=*, *force=True*, *comment=#*	Loads the connection file and set the connections `filename` is the name of the connection file under the current config folder. If `filename` is empty, the value of `optic/connection` from `config/local.yaml` will be used. The `connection file` supports `jinja2` template language. Besides, `#` is the default comment char which could be changed The format of `connection file` follows: ▪ each connection is described by 1 line ▪ `source` and `destination` are separated by `` `- *or* > *, which mean* `bidirection` or `unidirection` (unidirection connects `source tx` to `dest rx` Connection file sample: `device1:port1 - device2:port2` `device1:port3 > device2:port` Examples: OpticalSwitch.*Load From File* OpticalSwitch.*Load From File* save1.conn
Save To File	*file_name*	Saves the current connection of all devices in this test. By default, all interfaces of the devices are save. If a connection file is given, only interfaces specified in the connection file are saved Examples: OpticalSwitch.*Save To File* save1.conn

Altogether 8 keywords.
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