OpticalSwitch

Library version:	RENAT 0.1.10
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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