

OpticalSwitch

Library version: RENAT 1.7.1
Library scope: test suite
Named arguments: supported

Introduction

A library provides control for L1 Optical Switch

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

Shortcuts

Add · **Clear By File** · **Close All** · **Connect All** · **Delete** · **Get Connection Info** · **Load From File** · **Save 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 necessary 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: <ul style="list-style-type: none">■ 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: <pre>device1:port1 - device2:port2 device1:port3 > device2:port</pre> Examples: <div>OpticalSwitch.Load From File</div> <div>OpticalSwitch.Load From File save1.conn</div>
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: <div>OpticalSwitch.Save To File save1.conn</div>

Altogether 8 keywords.

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