Router

Library version:	RENAT 0.1.10
Library scope:	test suite
Named arguments:	supported

Introduction

A class provides keywords for router control. An instance of Router class automatically assigned methods of a VChannel class (**Note**: this is not an inheritance but rather 1-to-1 relation)

See VChannel for more details about *VChannel*.

Device's `type` is defined in master `device.yaml`. The system will load appropriate modules for each device.

Details about keywords provided by modules could be found in document of each module likes:

- Juniper module
- Cisco module
- GR module

Keywords provides by above module could be executed through *Xrun* keyword or directly called from `Router`. Examples:

Router.*Switch*	vmx12
Router.*Xrun*	Load Config
Router.*Load Config*	

Shortcuts

Follow Mib · **X**run

Keywords

Keyword	Arguments	Documentation
Follow Mib	*node_list*, *wait_time=10s*, *interval_time=5s*, *len=12*, *percentile=80*, *threshold=75*, *max_len=300*, *factor=1*	Waits until all the nodes defined in `node_list` become `stable`. Stableness is checked by SNMP polling result. The MIB list is define by `mib` in `node` section Parameter: ▪ `wait_time(1)`: the time before the evaluation starting ▪ `interval_time(2)`: interval between SNMP polling time ▪ `threshold`: below this value is evaluated as `stable` ▪ `len(3)`: the size of the evaluation window (number of values that are used in each valuation) ▪ `percentile`: real useful percentage of data (ignore top `100-percentile` percent) ▪ `max_len(4)`: maximum waiting `lend` for this checking time sequence: --(1)--|-(2)-|-----|-----|----|-----|-----| <-------(3)----------> poll poll <-------(3)----------> <----------(4)---------->
Xrun	*cmd*, **args*, ***kwargs*	Runs the vendor independent keywords. Parametes: ▪ `cmd`: a keyword ▪ `args`: other argumemts Examples: Router.*Xrun* | Flap Interface | ge-0/0/0 This keyword will then actually calling the correspond keyword for the device type.

Altogether 2 keywords.
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