###### Classifiers

Figure (3) shows the relation between classifiers, forwarding domain, flow points, and logical ports. In sections 3.1 and 3.2 the provided configuration will implement the highlighted portion of its components at each step.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Classifier  Untagged  Flow Point FP1 | | Single Tagged Classifier  VLAN 100  Forwarding Domain FD1 | Double Tagged Classifier  VLAN 101-102  Flow Point FP2 | |
|  | Port 1 |  | Port 2 |  |

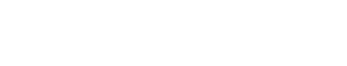
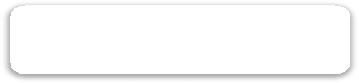
Figure (3): Classifiers, Forwarding Domain, Flow points, and Logical Ports Configuration model for sections 3.1 and 3.2

Create untagged traffic classifier

***Objective:***

Objective is to verify creation of untagged traffic classifier using CLI commands.

In this section, following the steps will configure the parts of the picture highlighted in red.



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Classifier  Untagged  Flow Point FP1 | | Single Tagged Classifier VLAN 100  Forwarding Domain FD1 | Double Tagged Classifier VLAN 101-102  Flow Point FP2 | |
|  | Port 1 |  | Port 2 |  |

***Procedure:***

* Go to the configuration terminal
  + config
* Enter the following command

# classifiers classifier untagged filter-entry classifier:vtag-stack untagged-exclude-priority-tagged false

* Go back out of configuration terminal

# exit

* Check if the classifier is created:
  + show classifiers classifier untagged

You should see an output like the following

+ Classifier +

| KEY | VALUE |

+ + +

| Name | untagged |

| Filter Entry | |

| Filter Parameter | Classifier:untagged |

+ + +

Test Case Results:

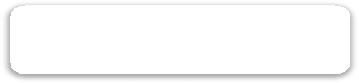
Passed: Yes No Verified by Date/Time Comments

Create single tagged traffic classifier

***Objective:***

Objective is to verify creation of single-tagged traffic classifier using CLI commands.

In this section, following the steps will configure the parts of the picture highlighted in red.



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Classifier Untagged  Flow Point FP1 | | Single Tagged Classifier VLAN 100  Forwarding Domain FD1 | Double Tagged Classifier VLAN 101-102  Flow Point FP2 | |
|  | Port 1 |  | Port 2 |  |

***Procedure:***

* Go to the configuration terminal
  + config
* Enter the following command

# classifiers classifier tag-100 filter-entry classifier:vtag-stack vtags 1 vlan-id 100

# classifiers classifier VLAN100 filter-entry classifier:vtag-stack vtags 1 vlan-id 100

* Go back out of configuration terminal

# exit

* Check if the classifier is created:
  + show classifiers classifier VLAN100

You should see an output like the following:

+ Classifier +

| KEY | VALUE |

+ + +

| Name | VLAN100 |

| Filter Entry | |

| Filter Parameter | Classifier:tagged-all |

| Vtags | |

| Tag | 1 |

| Vlan Id | 100 |

+ + +

You can also check “show classifiers” to see all classifiers

+ Classifier +

| Name | Filter Parameter |

+ + +

| default-vid-127 | Classifier:tagged-all |

| untagged | Classifier:untagged |

| tag-100 | Classifier:tagged-all |

| VLAN100 | Classifier:tagged-all |

+ + +

Test Case Results:

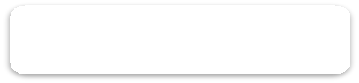
Passed: Yes No Verified by Date/Time Comments

Create double tagged traffic classifier

***Objective:***

Objective is to verify creation of double-tagged traffic classifier using CLI commands.

In this section, following the steps will configure the parts of the picture highlighted in red.



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Classifier Untagged  Flow Point FP1 | | Single Tagged Classifier VLAN 100  Forwarding Domain FD1 | Double Tagged Classifier VLAN 101-102  Flow Point FP2 | |
|  | Port 1 |  | Port 2 |  |

***Procedure:***

* Go to the configuration terminal
  + config
* Enter the following command

# classifiers classifier vlan101-102 filter-entry classifier:vtag-stack vtags 1 vlan-id 101

# classifiers classifier vlan101-102 filter-entry classifier:vtag-stack vtags 2 vlan-id 102

* Go back out of configuration terminal

# exit

* Check if the classifier is created:
  + show classifiers classifier vlan101-102

You should see something like the following:

+ Classifier +

| KEY | VALUE |

+ + +

| Name | vlan101-102 |

| Filter Entry | |

| Filter Parameter | Classifier:double-tagged-all |

| Vtags | |

| Tag | 1 |

| Vlan Id | 101 |

| | |

| Tag | 2 |

| Vlan Id | 102 |

+ + +

Test Case Results:

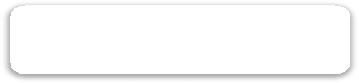
Passed: Yes No Verified by Date/Time Comments

Delete a Classifier

***Objective:***

Objective is to verify creation of single-tagged traffic classifier using CLI commands.

In this section, following the steps will configure the parts of the picture highlighted in red.



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Classifier Untagged  Flow Point FP1 | | Single Tagged Classifier VLAN 100  Forwarding Domain FD1 | Double Tagged Classifier VLAN 101-102  Flow Point FP2 | |
|  | Port 1 |  | Port 2 |  |

***Procedure:***

* Go to the configuration terminal
  + config
* Enter the following command

# no classifiers classifier tag-100

* Go back out of configuration terminal

# exit

* Check if the classifier is created:
  + show classifiers classifier tag-100

You should see an output like the following:

+- Classifier +

| KEY | VALUE |

+ + +

| | |

+ + +

Indicating a delete has been successful.

Test Case Results:

Passed: Yes No Verified by Date/Time Comments