

AF1G40AC Port Group Guide Advanced Features | 3.0.9

AF1G40AC

In some cases, it is desirable for multiple ingress ports join together to use a single flow resource. This is provided by the PortGroup Configuration feature.

1. Create the PortGroup

- 1. Select Interface Management.
- 2. Select PortGroup Config.
- 3. Select + Add PortGroup.

The Add PortGroup panel will appear.

| Add PortGroup | | × |
|----------------|----------------|------------|
| PortGroup Name | New_Port_Group | |
| PortGroup ID | off | |
| | | ✓ OK Close |

- 4. Enter the PortGroup Name.
- 5. Select OK.

The PortGroup will be displayed.

| GD Garlan | | | | Ht admin Loport |
|---|------------------|----------------|--------------|-----------------|
| Menu | 6 Y | | | |
| Device Summary | PortGroup Config | | | + Add PortGroup |
| System Management | | | | |
| Interface Management | iD | PortGroup Name | Member Count | Options |
| Interface Status Interface Stats Link Aggregation PortGroup Config Transceiver Status | , | New_Port_Group | 0 | 6 8 |
| + Authentication Management | | | | |
| TAP Management | | | | |
| Security | | | | |
| > Tools | | | | |
| Reboot/Save | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| 2 | | | | |
| EtherType values fods ^ | | | | Show all |



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6. Select the edit icon under the Options column.

The Edit PortGroup Entry panel will be displayed.

| eth-0-1 | 🗹 eth-0-2 | 🗹 eth-0-3 | 🗹 eth-0-4 |
|-----------|------------|------------|------------|
| 🗹 eth-0-5 | 🗌 eth-0-6 | 🗌 eth-0-7 | eth-0-8 |
| eth-0-9 | 🗌 eth-0-10 | 🗌 eth-0-11 | 🗌 eth-0-12 |
| eth-0-13 | C eth-0-14 | eth-0-15 | eth-0-16 |
| eth-0-17 | eth-0-18 | 🗌 eth-0-19 | eth-0-20 |
| eth-0-21 | 🗌 eth-0-22 | eth-0-23 | eth-0-24 |
| eth-0-25 | eth-0-26 | eth-0-27 | eth-0-28 |
| eth-0-29 | 🗆 eth-0-30 | eth-0-31 | eth-0-32 |
| eth-0-33 | eth-0-34 | eth-0-35 | eth-0-36 |
| eth-0-37 | eth-0-38 | 🗌 eth-0-39 | 🗌 eth-0-40 |
| eth-0-41 | 🗌 eth-0-42 | 🗌 eth-0-43 | 🗌 eth-0-44 |
| eth-0-45 | eth-0-46 | 🗌 eth-0-47 | 🗌 eth-0-48 |
| eth-0-49 | eth-0-50 | eth-0-51 | eth-0-52 |
| eth-0-53 | 🗌 eth-0-54 | | |
| Clear all | | | |

- 7. Select the desired ports for the PortGroup.
- 8. Select OK.

2. Create a PortGroup Flow

Note – When the PortGroup is selected as the ingress on a Tap Group, it must have a flow.

- 1. Select Tap Management.
- 2. Select Flow.
- 3. Select + Add Flow.

The Add Flow panel will appear.

| Add Flow | | × |
|-----------|-------|----------------|
| Flow Name | I2GRE | |
| Decap | Off | |
| | | Add Flow Close |

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- 4. Enter the Flow Name.
- 5. Select Add Flow.

The flow will be displayed.

| | | | | | HI: admin [Logout] |
|--|---------------------|-----------|--------|---------|--------------------|
| Device Summary | TAP Flow Statistics | | | | + Add Flow |
| System Management Interface Management | # | Flow Name | Remark | Decap | Options |
| Authentication Management | 1 | I2GRE | N/A | Disable | + 💼 |
| ▼ TAP Management | | | | | |
| TAP Group Table UDF | | | | | |
| Flow Inner Match | | | | | |
| ACL TAP Statistics | | | | | |

6. Select the + in the Options column for the desired flow to define the flow attributes.

The Add Flow Entry panel will be displayed.

| Add Flow Entry | ж |
|--------------------|----------------|
| Match | Rule |
| Sequence-num | (10) |
| Action | permit 👻 |
| IP protocol number | any 👻 |
| Filter Type | ipv4 👻 |
| Ether Type | (10) |
| Src-ip | (10) |
| Dst-ip | (10) |
| DSCP | of |
| Ip-precedence | (n) |
| Options | (10) |
| Fragment | 01 |
| Src-mac | (10) |
| Dst-mac | 01 |
| cos | 07 |
| Inner COS | (10) |
| VLAN | (10) |
| Inner VLAN | of |
| UDF | 10 |
| Acti | on |
| Add I2gre | n |
| L2gre-sro-ip | 10.10.10.10 |
| L2gre-dest-lp | 10.10.10.15 |
| L2gre-dest-mac | atat atat atat |
| L2gra-key-length | 24 . • |
| L2gre-key-num | 123 |
| | |
| | ✓ OK K Close |

- 7. Select and define all desired flow options.
- 8. Select OK.

2. Create a Tap Group

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The Tap Group defines the PortGroup, ingress flow and egress port(s).



- 1. Select Tap Management.
- 2. Select TAP Group Table.
- 3. Select + Add TAP Group.

The TAP Group Name panel will appear.

| TAP Group Name | | × |
|----------------|-------|--------------|
| TAP Group Name | I2GRE | |
| TAP Group ID | 0 | |
| | | ✓ OK X Close |

- 4. Enter the TAP Group Name.
- 5. Select OK.

The Tap Group will be displayed.

| GARLAND | D | | | | | Hi: admin Logout |
|--|-------------|--------|----------------|-----------------------|-------------------------|------------------|
| Menu | | | | | | |
| Device Summary | TAP Statist | lics | | | + Add TAP Group Truncal | ion 🌣 Timestamp |
| System Management Interface Management | # | TAP Id | TAP Group Name | TAP Group Description | TAP Group truncation | Options |
| Authentication Management | 1 | 1 | I2GRE | N/A | NO | Ē |
| ▼ TAP Management | | | | | | |
| TAP Group Table UDF Flow Inner Match ACL TAP Statistics | | | | | | |



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6. Place the cursor on the tap group name under the TAP Group Name column and press the left mouse button.

The TAP group panel will appear.

| | LUICOO | | | | | | | | + A |
|-------------|---------------|-------------|------------|------------|------------|-----------|-----------|-----------|---------|
| # Port Floi | w Match Untag | g Vian mark | Truncation | Edit-macda | Edit-macsa | Edit-ipda | Edit-ipsa | Edit-vlan | Options |
| Port Flov | w Match Unta | g Vlan mark | Truncation | Edit-macda | Edit-macsa | Edit-ipda | Edit-ipsa | Edit-vlan | Options |

7. Select the + Add to define the ingress port and ingress flow.

The add panel will appear.

| Direction | ingress 🗸 |
|------------|-----------|
| Port | eth-0-1 👻 |
| Truncation | Off |
| Untag | Disable 🗸 |
| Vlan mark | Off |
| Flow Match | On |
| Flow | IZGRE V |

- 8. Select the Direction, ingress.
- 9. Select the desired ingress port.
- 10. Enable Flow Match.
- 11. Select the I2GRE flow.
- 12. Select OK.

| 120 | RE | | | | | | | | | | | × |
|-----|---------|-----------------|---------|-----------|------------|------------|------------|-----------|-----------|-----------|---------|----|
| | Ingress | ≣ Egress | | | | | | | | | + Ac | id |
| # | Port | Flow Match | Untag | Vlan mark | Truncation | Edit-macda | Edit-macsa | Edit-ipda | Edit-ipsa | Edit-vlan | Options | - |
| 1 | eth-0-1 | I2GRE | Disable | N/A | Disable | N/A | N/A | N/A | N/A | N/A | Ê | • |
| | | | | | | | | | | | | |
| | | | | | | | | | | | × Clos | se |

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- 13. Select the + Add to define the egress port.
 - The add panel will appear.

| Direction | egress | ~ | |
|-----------|---------|---|--|
| Port | eth-0-2 | ~ | |
| Timestamp | off | | |
| | | | |

- 14. Select the Direction, egress.
- 15. Select the desired egress port.
- 16. Select OK.

| # | Port | Egress | Untag | Vian mark | Truncation | Edit-macda | Edit-macsa | Edit-ipda | Edit-ipsa | Edit-vlan | + A |
|---|---------|--------|---------|-----------|------------|------------|------------|-----------|-----------|-----------|-----|
| 1 | eth-0-1 | I2GRE | Disable | N/A | Disable | N/A | N/A | N/A | N/A | N/A | Ē |

- 17. The ingress port, ingress flow, and egress port may be displayed by selecting Ingress or Egress. Additional ingress ports, ingress flows, or egress ports may be added to the Tap Group using the same steps.
- 18. Select Close to return the TAP Group Table display.