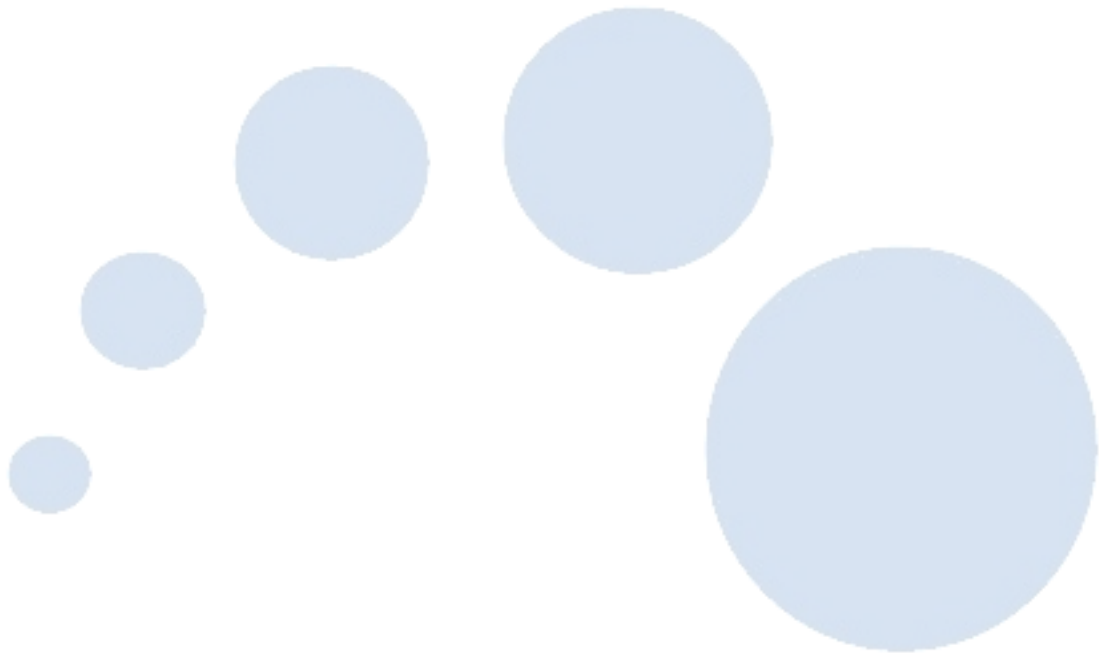




APPENDIX 1: ARISTA CLI FOR TAP AGGREGATION

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7150(config)#Show interface status et1

This commande provides activity on the link (Datathrouput over 5min)

```
Ethernet1 is down, line protocol is down (notconnect)
Hardware is Ethernet, address is 001c.73b4.14ca (bia 001c.73b4.14ca)
Ethernet MTU 9214 bytes
Auto-duplex, Auto-speed, auto negotiation: on, uni-link: disabled
Down 15 minutes, 27 seconds
1 link status changes since last clear
Last clearing of "show interface" counters never
5 minutes input rate 0 bps (- with framing overhead), 0 packets/sec
5 minutes output rate 0 bps (- with framing overhead), 0 packets/sec
  0 packets input, 0 bytes
  Received 0 broadcasts, 0 multicast
  0 runs, 0 giants
  0 input errors, 0 CRC, 0 alignment, 0 symbol, 0 input discards
  0 PAUSE input
  0 packets output, 0 bytes
  Sent 0 broadcasts, 0 multicast
  0 output errors, 0 collisions
  0 late collision, 0 deferred, 0 output discards
  0 PAUSE output
```

7150(config)# username admin secret 123ABC

This command defines the following password, 123ABC

7150(config-if-Ma1)#ip address 192.0.2.5/24

This command defines an IP address with its mask

7150(config)#ip route 0.0.0.0/0 192.0.2.1

Defines the gateway

7150> zerotouch cancel

Requested to set up the 7150

7150(config)#tap aggregation

Endorse the tap aggregation status



7150 (config-tap-agg) #mode exclusive

Launch the Tap aggregation mode

7150 (config) #spanning-tree mode none

Remove the STP mode (Arista advises when you use tap agg)

7150 (config) #no ip igmp snooping

Remove the IGMP mode (Arista advises when you use tap agg)

7150 (config) #interface et1

Endorse Port 1 for configuration adjustment

7150 (config-if-et1) #switchport mode tap

Launch the TAP mode on Ethernet 1

7150 (config-if-et1-et8) #switchport mode tap

Launch the TAP mode on several Ethernet Port

7150 (config-if-et20) #switchport mode tool

Launch the TOOL mode on Ethernet Port

7150# show interface status

Provide the full list of Ethernet port with the SFP connected and the TAP/TOOL mode

Port	Name	Status	Vlan	Duplex	Speed	Type
Et1		notconnect	tap	auto	auto	1000BASE-T
Et2		notconnect	tap	auto	auto	1000BASE-T
Et3		errdisabled	1	full	10G	Not Present
Et4		errdisabled	1	full	10G	Not Present
Et5		notconnect	tap	auto	auto	1000BASE-T
Et6		errdisabled	1	full	10G	Not Present
Et7		errdisabled	1	full	10G	Not Present
Et8		errdisabled	1	full	10G	Not Present
Et9		errdisabled	1	full	10G	Not Present
Et10		errdisabled	1	full	10G	Not Present
Et11		errdisabled	1	full	10G	Not Present
Et12		errdisabled	1	full	10G	Not Present



Et13	errdisabled	1	full	10G	Not	Present
Et14	errdisabled	1	full	10G	Not	Present
Et15	notconnect	tool	full	10G	10GBASE-SRL	
Et16	notconnect	tool	full	10G	10GBASE-SRL	
Et17	errdisabled	1	full	10G	Not	Present
Et18	errdisabled	1	full	10G	Not	Present
Et19	notconnect	tool	full	10G	10GBASE-SRL	
Et20	notconnect	tool	full	10G	10GBASE-SRL	
Et21	errdisabled	1	full	10G	Not	Present
Et22	errdisabled	1	full	10G	Not	Present

7150#write memory

Save the set up

7150(config-if-et1)# switchport tap default group EXTRAHOP-IN-1-2

Create a group named "EXTRAHOP-IN-1-2" for some specific interface, here the port 1 defined as a TAP port

7150(config-if-et20)# switchport tool group set EXTRAHOP-IN-1-2

Put the Port 20, defined as a TOOL port previously, to collect the traffic coming from the group called "EXTRAHOP-IN-1-2"

7150(config-if-et21)# switchport tool group add EXTRAHOP-IN-1-2

Put an additional Port, here is the 21 defined previously as a TOOL port, to collect the traffic coming from the group called "EXTRAHOP-IN-1-2" as well the port 21. If you wrote "set" in place to "add" you 'll remove the port 21 for traffic collection.

7150#show tap aggregation group

Provide the Group name/TOOL members/TAP members matrix.

Group Name	Tool Members	Tap Members
test	15,16	1
test2	16,21	2,5



7150#show ip int brief

Send back the IP address from the management port

Interface	IP Address	Status	Protocol	MTU
Management1	192.168.1.40/24	up	up	1500

7150(config-if-Et20)#switch tool group remove EXTRAHOP

Remove a port from a group TOOL, here it's the group named EXTRAHOP

7150(config)#default interface ethernet 19

To cancel the TAP or TOOL mode from an interface

7150#show interfaces transceiver

Screen the power optical status of interfaces

Port	Temp (Celsius)	Bias Voltage (Volts)	Current (mA)	Optical Tx Power (dBm)	Optical Rx Power (dBm)	Last Update
Et1	N/A	N/A	N/A	N/A	N/A	N/A
Et2	N/A	N/A	N/A	N/A	N/A	N/A
Et3	N/A	N/A	N/A	N/A	N/A	N/A
Et4	N/A	N/A	N/A	N/A	N/A	N/A
Et5	N/A	N/A	N/A	N/A	N/A	N/A
Et6	N/A	N/A	N/A	N/A	N/A	N/A
Et7	N/A	N/A	N/A	N/A	N/A	N/A
Et8	N/A	N/A	N/A	N/A	N/A	N/A
Et9	N/A	N/A	N/A	N/A	N/A	N/A
Et10	N/A	N/A	N/A	N/A	N/A	N/A
Et11	N/A	N/A	N/A	N/A	N/A	N/A
Et12	N/A	N/A	N/A	N/A	N/A	N/A
Et13	N/A	N/A	N/A	N/A	N/A	N/A
Et14	N/A	N/A	N/A	N/A	N/A	N/A
Et15	26.25	3.30	6.08	-2.19	-24.32	0:00:00 ago
Et16	25.93	3.30	6.08	-2.21	-24.69	0:00:00 ago
Et17	N/A	N/A	N/A	N/A	N/A	N/A
Et18	N/A	N/A	N/A	N/A	N/A	N/A
Et19	23.61	3.30	5.75	-2.17	-26.99	0:00:00 ago
Et20	26.04	3.31	7.31	-2.20	-27.45	0:00:00 ago
Et21	N/A	N/A	N/A	N/A	N/A	N/A
Et22	N/A	N/A	N/A	N/A	N/A	N/A
Et23	23.22	3.30	6.53	-2.23	-28.54	0:00:01 ago
Et24	23.84	3.29	4.35	-2.15	-25.69	0:00:01 ago