Port format 1/1/v1 → shelf/slot/v[port]

Note: to change bonding group port settings, the ports need to be removed from the bonded group, changed and readded

Login

telnet
e7
admin

Extract footprint information

Show dsl-port 1/1/v1 stats

E7VDSL2COMBO>show dsl-port 1/1/v1 status
DSL port "1/1/v1" :
Physical Layer:
 Status   : Init
 Transmission mode   : **none**
 VDSL2 profile   : **none**
 Initialization result   : INVALID
 Downstream:
  Current rate   **: 0**
  Attainable rate   **: 0**
  Interleave delay   **: 0 ms**
  Interleave INP   **: 0.0 symbols**
  SNR margin   **: 0.0 dB**
  Loop attenuation   **: 0.0 dB**
  Transmit power   **: 0.0 dBm**
  ATM/PTM status   **: INVALID**
  Enhanced INP   : INVALID
  Rtx ETR   : 0
  Rtx INP against SHINE   : 0.0 symbols
  Rtx INP against REIN   : 0.0 symbols
  Rtx INP actual delay   : 0.0 ms
 Upstream:
  Current rate   **: 0**
  Attainable rate   **: 0**
  Interleave delay   **: 0 ms**
  Interleave INP   **: 0.0 symbols**
  SNR margin   **: 0.0 dB**
  Loop attenuation   **: 0.0 dB**
  Transmit power   **: 0.0 dBm**
  ATM/PTM status   : INVALID
  Enhanced INP   : INVALID

```
   Rtx ETR                  : 0
   Rtx INP against SHINE     : 0.0 symbols
   Rtx INP against REIN      : 0.0 symbols
   Rtx INP actual delay      : 0.0 ms
  Data mode                  : INVALID
  Time in current state      : 6d15h15m16s
  Power save time remaining  : 5m
  Retrains                   : 0
  ATM header compression     : off
Bands:
 US0:
  Tones (start/stop)         : 0/0
  Attenuation (line/signal)  : unavailable/unavailable
  SNR margin                 : unavailable
 DS1:
  Tones (start/stop)         : 0/0
  Attenuation (line/signal)  : unavailable/unavailable
  SNR margin                 : unavailable
 US1:
  Tones (start/stop)         : 0/0
  Attenuation (line/signal)  : unavailable/unavailable
  SNR margin                 : unavailable
 DS2:
  Tones (start/stop)         : 0/0
  Attenuation (line/signal)  : unavailable/unavailable
  SNR margin                 : unavailable
 US2:
  Tones (start/stop)         : 0/0
  Attenuation (line/signal)  : unavailable/unavailable
  SNR margin                 : unavailable
 DS3:
  Tones (start/stop)         : 0/0
  Attenuation (line/signal)  : unavailable/unavailable
  SNR margin                 : unavailable
 US3:
  Tones (start/stop)         : 0/0
  Attenuation (line/signal)  : unavailable/unavailable
  SNR margin                 : unavailable
 DS4:
  Tones (start/stop)         : 0/0
  Attenuation (line/signal)  : unavailable/unavailable
  SNR margin                 : unavailable
 US4:
  Tones (start/stop)         : 0/0
  Attenuation (line/signal)  : unavailable/unavailable
  SNR margin                 : unavailable
```

E7VDSL2COMBO>show dsl-port 1/1/v1 inventory

DSL port "1/1/v1":

 XTU-C ITU inventory:
  Handshake:
   Country   : 0xb500
   Vendor   : 0x4244434d ("BDCM")
   Revision   : 0x0000
  EOC:
   Country   : 0xb500
   Vendor   : 0x43584e4b ("CXNK")
   Revision   : 0x0000
  Version   **: Broadcom 65300   IB1   VDSL-5B 16l v10.09.80 2016-06-09**
  Serial #   :
  Capabilities : ansiT1413   g9932AnnexA
          g9921PotsNonOverlapped   g9923AnnexMPotsNonOverlapped
          g9925AnnexMPotsNonOverlapped g9922PotsNonOverlapped
          g9932AnnexB   g9932AnnexC
          etsi   g9921IsdnNonOverlapped
          g9923IsdnNonOverlapped   g9925IsdnNonOverlapped
          g9923AnnexLMode1NonOverlapped g9923AnnexLMode2NonOverlapped
          g9925PotsNonOverlapped   g9923PotsNonOverlapped

 XTU-R **inventory not available**. It will show up here…

Get link status

show dsl-port 1/1/v1

ATM / PTM switching

ATM (FOR ADSL and ADSL2+)

set dsl-port 1/1/v1 advanced ptm-override atm

PTM (FOR ADSL2+ and VDSL2)

set dsl-port 1/1/v1 advanced ptm-override ptm

Bond ports

NOTE: shelf/slot for bond group needs to be the same as the ports being bonded

ATM Bonding (ADSL2+)

Set ports to atm first
create dsl-bond-interface **1/1/name** admin-state no-alarms
set dsl-port **1/1/v1** basic dsl-bond-interface 1/1/name
set dsl-port **1/1/v2** basic dsl-bond-interface 1/1/name

PTM Bonding (VDSL2 and ADSL2+)

Set ports to atm first
create dsl-bond-interface **1/1/name** admin-state no-alarms
set dsl-port **1/1/v1** basic dsl-bond-interface 1/1/name
set dsl-port **1/1/v2** basic dsl-bond-interface 1/1/name

Set DSLAM profiles (bonded and non-bonded)

Use command and profile names from current e7-vdsl2-48 integration

Or

set dsl-port 1/1/v1 basic dsl-bond-interface none
set dsl-port 1/1/v1 basic service-type **vdsl2**
set dsl-port 1/1/v1 basic path-latency **interleave**
set dsl-port 1/1/v1 basic fallback-vpi 0
set dsl-port 1/1/v1 basic fallback-vci 32
set dsl-port 1/1/v1 basic vdsl-profile **8a**
set dsl-port 1/1/v1 basic ds-min-rate **32**
set dsl-port 1/1/v1 basic ds-max-rate **150000**
set dsl-port 1/1/v1 basic us-min-rate **32**
set dsl-port 1/1/v1 basic us-max-rate **150000**
set dsl-port 1/1/v1 basic ds-min-inp **1**
set dsl-port 1/1/v1 basic us-min-inp **1**
set dsl-port 1/1/v1 basic ds-intrlv-max-latency **8**
set dsl-port 1/1/v1 basic us-intrlv-max-latency **8**
set dsl-port 1/1/v1 basic ds-min-snr **0**
set dsl-port 1/1/v1 basic ds-max-snr **31**
set dsl-port 1/1/v1 basic ds-target-snr **6**
set dsl-port 1/1/v1 basic us-min-snr **0**
set dsl-port 1/1/v1 basic us-max-snr **31**
set dsl-port 1/1/v1 basic us-target-snr **6**
set dsl-port 1/1/v1 basic admin-state no-alarms
set dsl-port 1/1/v1 advanced ptm-override **ptm**
set dsl-port 1/1/v1 advanced ds-rate-adapt-mode **runtime**
set dsl-port 1/1/v1 advanced us-rate-adapt-mode **startup**
set dsl-port 1/1/v1 advanced ds-downshift-adapt-margin **6**
set dsl-port 1/1/v1 advanced ds-upshift-adapt-margin **8**

set dsl-port 1/1/v1 advanced us-downshift-adapt-margin **6**
set dsl-port 1/1/v1 advanced us-upshift-adapt-margin **8**
set dsl-port 1/1/v1 advanced ds-downshift-adapt-time **2**
set dsl-port 1/1/v1 advanced ds-upshift-adapt-time **4**
set dsl-port 1/1/v1 advanced us-downshift-adapt-time **2**
set dsl-port 1/1/v1 advanced us-upshift-adapt-time **4**
set dsl-port 1/1/v1 advanced ds-enhanced-inp **enabled**
set dsl-port 1/1/v1 advanced us-enhanced-inp **disabled**
set dsl-port 1/1/v1 advanced ds-ginp-minetr **32**
set dsl-port 1/1/v1 advanced us-ginp-minetr **32**
set dsl-port 1/1/v1 advanced ds-ginp-maxndr **150000**
set dsl-port 1/1/v1 advanced us-ginp-maxndr **150000**
set dsl-port 1/1/v1 advanced ds-ginp-delaymax **10**
set dsl-port 1/1/v1 advanced us-ginp-delaymax **10**
set dsl-port 1/1/v1 advanced ds-ginp-inpmin-shine **5**
set dsl-port 1/1/v1 advanced us-ginp-inpmin-shine **5**
set dsl-port 1/1/v1 advanced ds-ginp-shineratio **10000**
set dsl-port 1/1/v1 advanced us-ginp-shineratio **10000**
set dsl-port 1/1/v1 advanced ds-ginp-inpmin-rein **10**
set dsl-port 1/1/v1 advanced us-ginp-inpmin-rein **10**
set dsl-port 1/1/v1 advanced ds-ginp-iat-rein **8**
set dsl-port 1/1/v1 advanced us-ginp-iat-rein **8**
set dsl-port 1/1/v1 advanced atm-header-compress **disable**
set dsl-port 1/1/v1 psd upbo-band-1-a **40**
set dsl-port 1/1/v1 psd upbo-band-1-b **16**
set dsl-port 1/1/v1 psd upbo-band-2-a **40**
set dsl-port 1/1/v1 psd upbo-band-2-b **15**
set dsl-port 1/1/v1 psd upbo-band-3-a **40**
set dsl-port 1/1/v1 psd upbo-band-3-b **40**
set dsl-port 1/1/v1 psd upbo-band-4-a **40**
set dsl-port 1/1/v1 psd upbo-band-4-b **40**
set dsl-port 1/1/v1 psd upbo-kl0 **no-force**

Set DSLAM cross-connects

Bonding use to-dsl-bond-interface 1/1/name, Single Line, use to-interface 1/1/v1

PPPoE - PTM
 add eth-svc Data1 to-interface 1/1/v1 bw-profile @clink_ipdata_PTM svc-tag-action
       @clink_ipdata_PTM outer-vlan 3910 admin-state enabled

DHCP - PTM
 add eth-svc Data1 to-interface 1/1/v1 bw-profile @clink_ipdata_PTM svc-tag-action
       @clink_dhcp_PTM outer-vlan 3910 inner-tag 10 admin-state enabled

Multicast - PTM

add eth-svc Video1 to-interface 1/1/v1 bw-profile @clink_ipdata_PTM svc-tag-action @clink_iptv_PTM outer-vlan 3910 inner-tag 10 admin-state enabled

PPPoE – ATM

add eth-svc Data1 to-interface 1/1/v1 bw-profile @clink_ipdata_PTM svc-tag-action @Untagged outer-vlan 3910 admin-state enabled

DHCP – ATM

add eth-svc Data1 to-interface 1/1/v1 bw-profile @clink_ipdata_PTM svc-tag-action @UntaggedVideo outer-vlan 3910 inner-tag 10 admin-state enabled

Multicast – ATM

add eth-svc Video1 to-interface 1/1/v1 bw-profile @clink_ipdata_PTM svc-tag-action @UntaggedVideo outer-vlan 3910 inner-tag 10 admin-state enabled

Remove DSLAM cross-connects

Remove eth-svc Data1 from-interface 1/1/v1

(Change name and interface/bond)

Remove bonding on ports

ATM Bonding (ADSL2+)

set dsl-port **1/1/v1** basic dsl-bond-interface none
set dsl-port **1/1/v2** basic dsl-bond-interface none
delete dsl-bond-interface **1/1/name**

PTM Bonding (VDSL2 and ADSL2+)

set dsl-port **1/1/v1** basic dsl-bond-interface none
set dsl-port **1/1/v2** basic dsl-bond-interface none
delete dsl-bond-interface **1/1/name**