Unsupported transceiver option

By esupport posted Mar 19, 2019 01:14 AM   Mark as Inappropriate

1   Kudos

Requirement:

Unblock the port when 3rd party transceivers are used on Aruba HPE switches.

Solution:

The 16.02 release for the Aruba HPE switches includes a new feature to enable the use of unsupported transceivers. Previously, the switches were simply blocking the use of 3th party transceivers. With this new command, the admin can override this behavior. Once after the command is executed, the port is no longer disabled when an unsupported transceiver is connected.

Note: Executing unsupported transceiver command only unblocks the port from blocking, when 3rd party transceivers are connected.

Configuration:

This is an example on a 2930F model. Executing below commands will help find the transceiver details.

```
Aruba-2930F-8G-PoEP-2SFPP# show interfaces transceiver detail
No transceiver found on any selected port
```

```
Aruba-2930F-8G-PoEP-2SFPP# show tech transceivers
Cmd Info : show tech transceivers

transceivers

Transceiver Technical Information:
 Port # | Type      | Prod #   | Serial #        | Part #
 -------+-----------+----------+-----------------+----------


=== The command has completed successfully. ===
```

After enabling event logging, as you can see in the debug message, inserting unsupported transceiver, log message is shown.

- To enable debug.

```
Aruba-2930F-8G-PoEP-2SFPP# debug event
Aruba-2930F-8G-PoEP-2SFPP# debug destination session
```

- Log message

```
Aruba-2930F-8G-PoEP-2SFPP# show logging -r
W 01/01/90 00:15:26 00535 FFI: port 9 This switch only supports revision B
          and above transceivers.
```

- Enabling this option is only available from CLI as of today.

```
Aruba-2930F-8G-PoEP-2SFPP(config)# allow-unsupported-transceiver
Warning: The use of third-party transceivers is at your own risk and
may void support and warranty. Please see HPE Warranty terms and conditions.
Do you agree, and do you wish to continue enabling? (Y/N) y
Aruba-2930F-8G-PoEP-2SFPP(config)#
```

Verification

Executing show tech transceivers or show interfaces transceiver detail will show limited details about the 3rd party transceiver. The switch will still generate daily log messages to warn the admin about this feature being enabled.

```
Aruba-2930F-8G-PoEP-2SFPP# show tech transceivers
Unable to get dldp_status
Unable to get ripng_status
Cmd Info : show tech transceivers

transceivers

Transceiver Technical Information:
 Port # | Type        | Prod #     | Serial #         | Part #
 -------+------------+------------+------------------+----------
 9     *| 1000SX      |     ??     | unsupported      |

* third-party transceiver

=== The command has completed successfully. ===
```

```
Aruba-2930F-8G-PoEP-2SFPP# show interfaces transceiver detail

Transceiver in 9*
   Interface Index   : 9
   Type              : 1000SX
   Model             :   ??
   Connector Type    : LC
   Wavelength        : 850nm
   Transfer Distance : 550m (50um), 300m (62.5um),
   Diagnostic Support : DOM
   Serial Number      : unsupported

 Status
   Temperature : 49.460C
   Voltage     : 3.3330V
   Tx Bias     : 4.716mA
   Tx Power    : 0.2394mW, -6.208dBm
   Rx Power    : 0.0003mW, -35.228dBm

  Recent Alarms :

       Rx power low alarm
       Rx power low warning

  Recent Errors :

       Rx loss of signal

   Time Stamp   : Mon Jan  1 00:24:48 1990
* third-party transceiver
Aruba-2930F-8G-PoEP-2SFPP#
```

0 comments   9 views

Permalink

https://community.arubanetworks.com/blogs/esupport1/2019/03/19/unsupported-transceiver-option

- COMPANY
  - About Us
  - Careers
  - Contact Us
  - Leadership Team
  - Environmental Citizenship
  - HPE.com
- SUPPORT
  - Support Services
  - Contact Support
  - Aruba Education Services
  - Professional Services
  - Software Downloads
  - Licensing Login
- PARTNERS
  - Find a Partner
  - Become a Partner
  - Partner Ready for Networking
  - Technology Partner Programs

Powered by Higher Logic