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EPONCTL Commands

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Purpose

Document the eponctl user commands.

EPONCTL command set

1.1 dump-dlu : Dump the DLU rules

eponctl dump-dlu [entry_num]

1.2 dump-glu : Dump the GLU rules

eponctl dump-glu [entry_num]

1.3 dump-dlu-rule : Dump the DLU rules

eponctl dump-dlu [entry_num]

1.4 dump-glu-rule : Dump the GLU rules

eponctl dump-glu <rule_num>

1.5 add-dlu-rule : Add given entry to DLU

eponctl add-dlu <entry_num> <entry_64_92> <entry_32_63> <entry_0_31>

1.6 add-glu-rule : Add given entry to DLU

eponctl add-dlu <entry_num> <entry_64_92> <entry_32_63> <entry_0_31>

1.7 add-vlan-translate : Add a VID->VID entry to give LUE

eponctl add-vlan-translate <dlu/glu> <entry_num> <filterVid> <targetVid>

1.8 add-vlan-aggregate : Add a MAC+VID->VID entry to give LUE

eponctl add-vlan-aggregate <dlu/glu> <entry_num> <filterMac> <filterVid> <targetVid>

1.9 dump-dlu-port : Dump all the rules added for a port

`eponctl dump-dlu-port <port>`

1.10 delete-dlu-port : Dump all the rules added for a port

`eponctl dump-dlu-port <port>`

1.11 ds-dlf-fwd : Enable/Disable EPON DS DLF Forwarding

`eponctl ds-dlf-fwd <enable(1)/disable(0)>`

1.12 echo : Enable/Disable echoing of Hornet CLI output

`eponctl echo <enable(1)/disable(0)>`

This function is useful if the user wishes to monitor output from the EPON firmware but still be able to issue commands to the MIPS core.

1.13 cli : Launch EPON command line shell

`eponctl cli`

Upon issuing this command, a command line interface (CLI) shell to the EPON MAC processor will be opened. The user can issue commands as desired and then type 'exit' to quit the shell.

To ensure correct operation, the terminal software needs to send a DEL character when the backspace key is pressed instead of control H or control question mark as is the default setting for many terminal packages. The procedure to do this on various popular terminal emulation software is as follows:

- Microsoft Hyperterminal: Select "File" menu, then "Properties." Then select the "Setting" tab and select the "Backspace key sends DEL" option.
- Tera Term: Select the "Setup->Keyboard" menu. Then set "Transmit DEL by: Delete Key"

Once access to the EPON command line interface is established, it is possible to issue commands. See the "TK3715 Command Line Interface Quick Reference Guide" for details.

1.14 debug : Set the log level of EPON LUE driver

`eponctl debug <level (0=Error; 1=Notice; 2=Info; 3=Debug) >`