How to Use Lantiq DCT to Capture DSL Log on Vigor130/Vigor2760/Vigor2860

Kevin Yeh

RD2 Department

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Version	Date	Description	Author
2	2014/02/25	V2760(Linux)	Kevin Yeh
3	2014/04/02	V130/V2760(DrayOS)/V2860	Nancy

Introduction

Vigor130/Vigor2760/Vigor2860 (VR9 platforms) can support two DSL types - ADSL and VDSL, but in some environments, DSL has the IOP issue. That's why we need to capture debugging logs for chip vendor analyzing.

Lantiq provides us the DCT tool to record DSL debugging logs, and the following steps will describe how to use this tool.

Current Lantiq DCT version: 2.0.1.5



Installation Steps

Decompress file LantiqDebugTool_CustomerVersion_2.0.1.5_with_input.7z in a directory. (It doesn't support Chinese folder name.) For example: D:\dsl lantiq dbg\



Setting Steps (DrayOS Only)

For Vigor130/Vigor2760(DrayOS)/Vigor2860, Lantiq DCT can be used only if the Router's DSL debug tool mode is on.

1. Check current state.

Use telnet command "adsl idle".

2. Set DSL debug tool mode on (if current state is off). Use telnet command "adsl idle tcpmessage" and restart the Router.

```
Account:admin
Password: *****

Type ? for command help

Vigor> adsl idle

** Usage : adsl idle [tcpmessage/tcpmessage_off]

** DSL debug tool mode is off.

Vigor> adsl idle tcpmessage

** Set DSL debug tool mode on. Please reboot system to take effect.

Vigor> sys reboot

道失與主機的連線。

C:\Documents and Settings\nancy>
```

Execution Steps

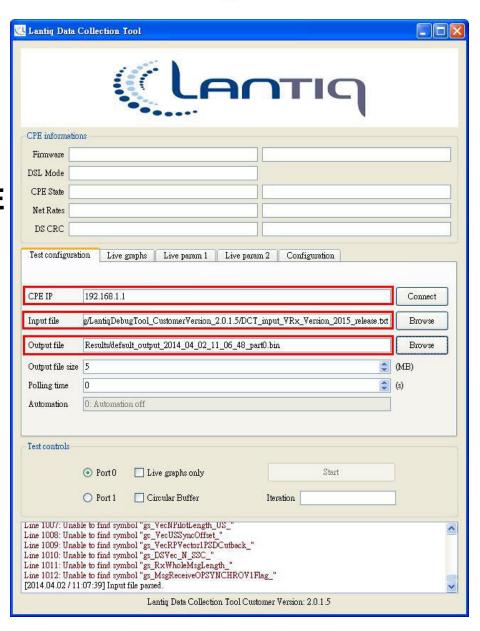
1. Run Lantiq_DCT.exe.

2. Input the Router's IP (CPE IP).

3. Choose an output file.

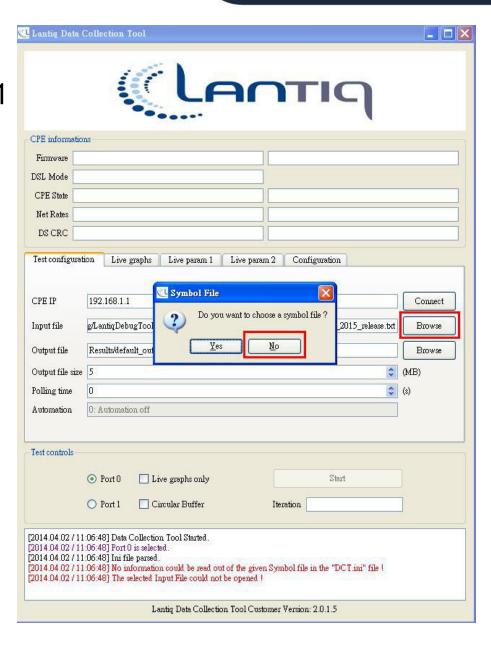
For example:

Results/default_output_2013_04_02_11_14_45_part0.bin

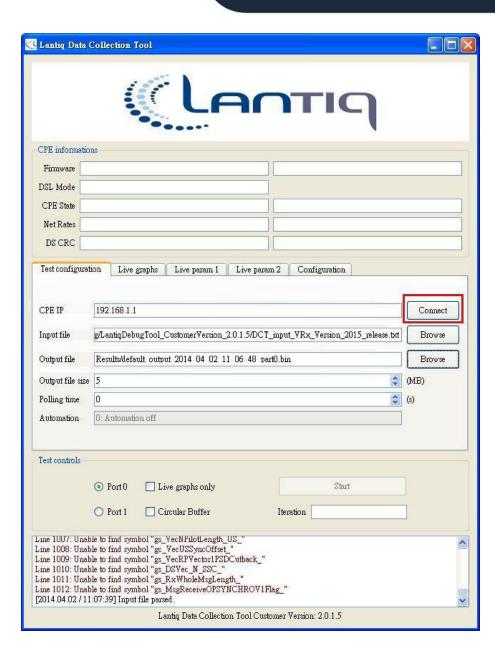


4. Choose an input file.

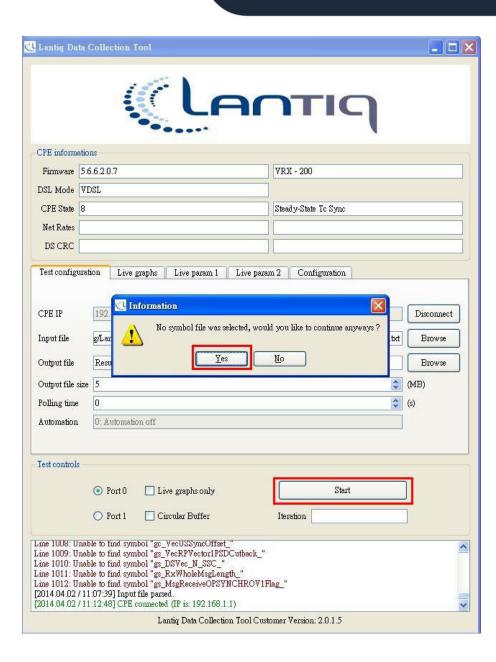
For example: DCT_input_VRx_Version_201 5_release.txt Ignore the dialog about symbol files.



5. Press connect button.

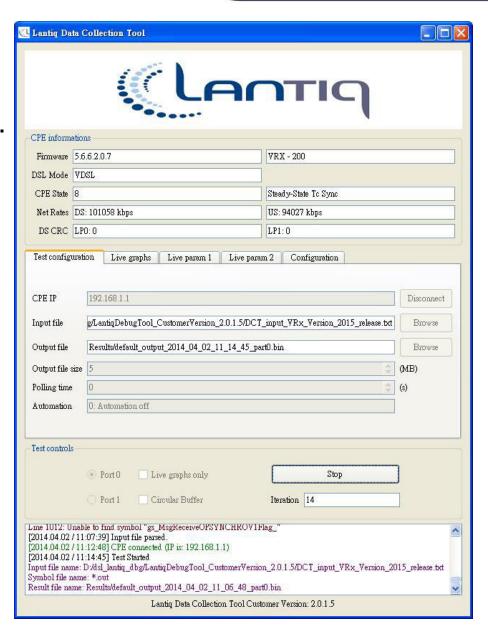


6. Press start button. Ignore the dialog about symbol files.

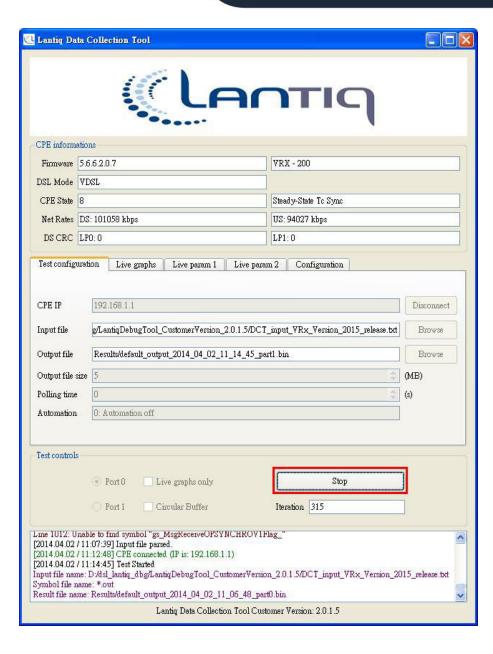


DCT starts to capture DSL log.

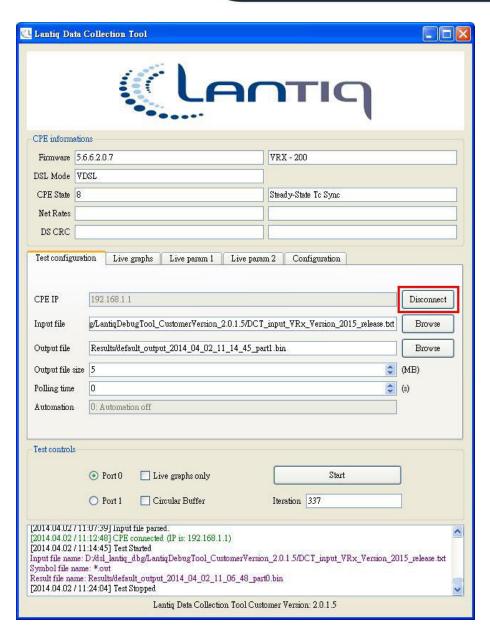
Lantiq suggests us to capture DSL log for at least 5 minutes.



7. Press stop button after 5 minutes.



8. Press disconnect button.





9. Send the DSL logs back and we will forward them to Lantiq for analyzing.

