


The HARTNDb::elaborate Function Triggers Vivado Crash, Resulting in Synthesis Failure

I'm experiencing a crashing issue with Vivado while synthesizing design files. My system runs on Linux, and I'm using Vivado version 2023.1. The relevant commands I'm using in the Ubuntu terminal are as follows:

```
vivado -mode tcl
read_verilog rtl.v
synth_design -top top -gated_clock_conversion auto -bufg 16
```

During the synthesis process, there's a crash, and a log is generated with information about the cause of the crash.

A screenshot of a terminal window with a dark background and light-colored text. The text displays an error message indicating an abnormal program termination with exit code 11. It suggests checking a specific log file for details and mentions a segmentation fault in the Vivado binary. The command being executed is 'vivado -mode tcl'.

```
Abnormal program termination (11)
Please check '/home/zou/vivado_project/hs_err_pid1726514.log' for details
segfault in /home/zou/software/vivado/Vivado/2023.1/bin/unwrapped/lnx64.o/vivado
-exec vivado -mode tcl, exiting...
```

I've attached our design file rtl.v and the log output from Vivado.