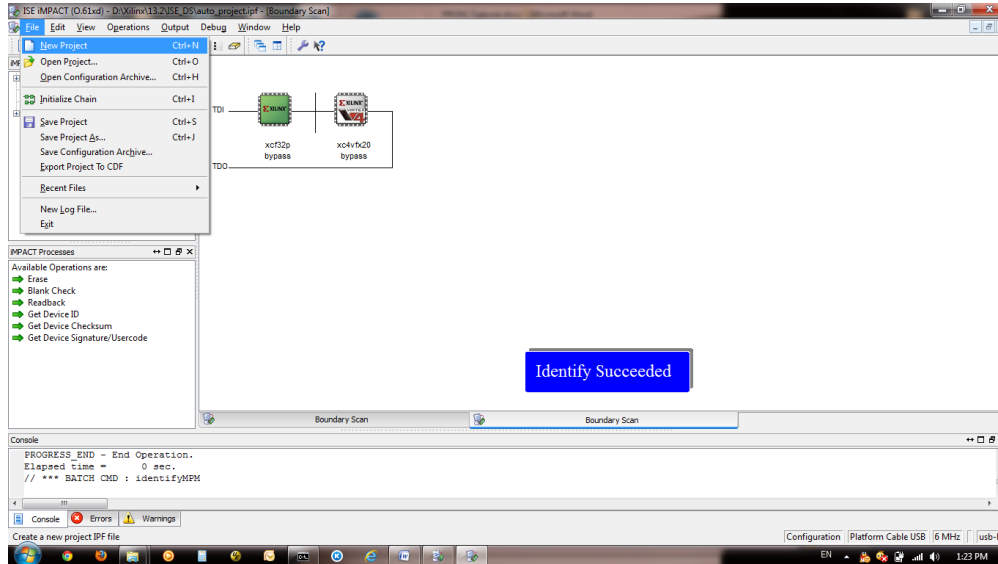
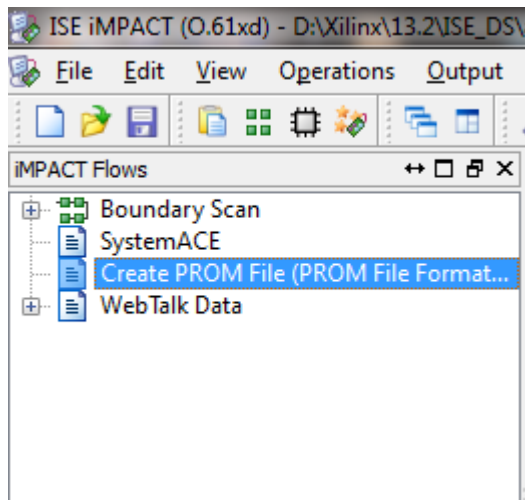


Tutorial of How to Use PROM (xcf32p) on RecoNode (TRC1000)

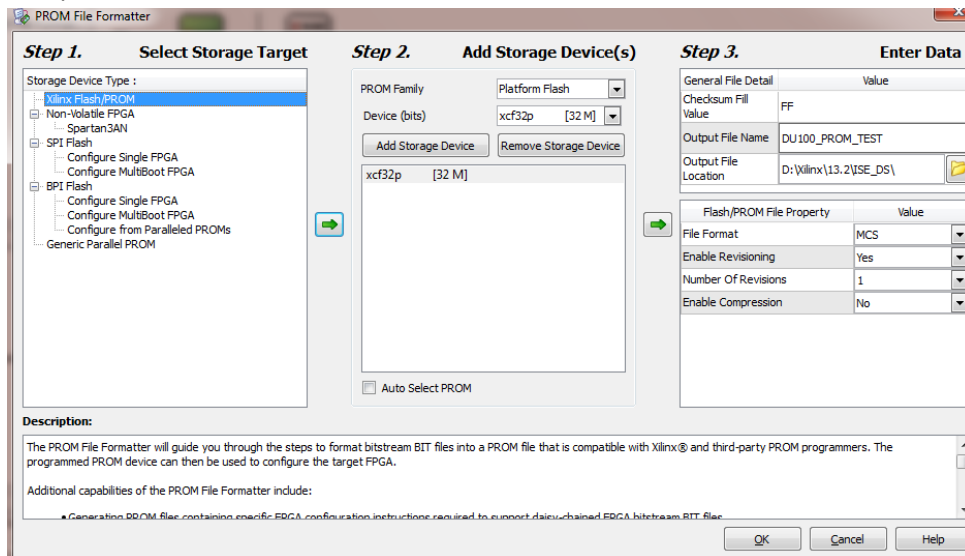
1. Start -> All Programs -> ISE Xilinx Design Suite 13.2 -> ISE Design Tools -> Tools -> iMPACT (open iMPACT)
2. Cancel all firstly. File -> New Project, choose "Yes" when a window popped up.



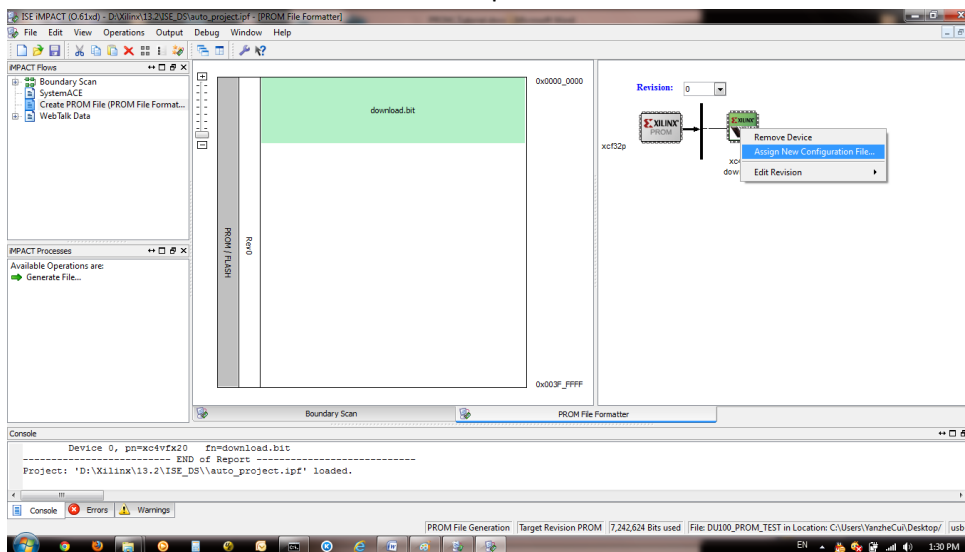
3. Click "Create PROM File"



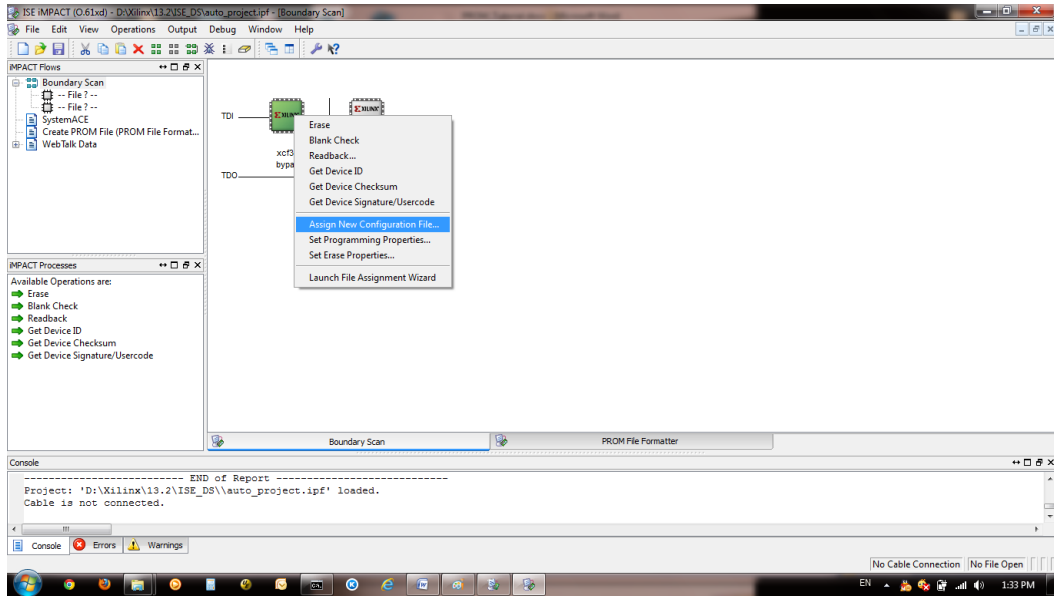
- Click "Xilinx Flash/PROM" -> green arrow -> in Device choose 'xcf32p' -> Add storage Device -> green arrow -> Change name in "Output File Name" -> Change save location in "Output File Location" -> Click "OK"



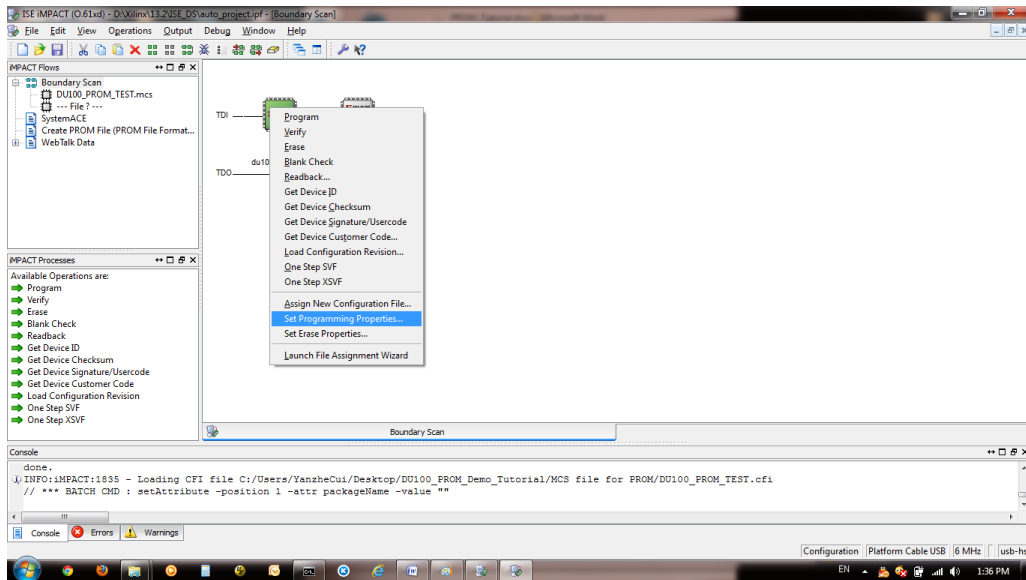
- Cancel all firstly. Then right click on xc4vfx20 -> Assign New Configuration File, browse to the "download.bit" directory from "DU100_PROM_Demo_Tutorial\DU100_PROM_test_13.2\SDK\SDK_Export\DU100_PROM_test_hw_platform" Then click "Generate File" at left bottom panel.



- Right click on xcf32p -> Assign New Configuration File, browse to the directory of .mcs file you saved in step 4.



- Right click on xcf32p -> Set Programming Properties , make sure the configuration of PROM is like the following figure.



PROM Specific Properties	
Load FPGA	<input type="checkbox"/>
Parallel Mode	<input type="checkbox"/>
Advanced PROM Programming Properties	
During Configuration: PROM is Configuration Master (check to select clock source)	<input type="checkbox"/>
[select clock source]	External Clock
During Configuration: PROM is Slave (clocked externally)	<input checked="" type="checkbox"/>

- Right click on xcf32p -> Program