

Using Impact in batch mode

1/Programming the FPGA volatile memory with a bit file

Launch the script with the command **impact -batch script.txt**

```
setmode -bscan  
setcable -p auto  
adddevice -p 1 -file main.bit  
program -p 1  
quit
```

2/Programming the FPGA flash memory with a mcs file

Launch the script with the command **impact -batch script.txt**

```
setMode -bscan  
setCable -p auto  
addDevice -p 1 -file "./main.bit"  
attachflash -position 1 -spi "W25Q128FV"  
assignfiletoattachedflash -position 1 -file "./main.mcs"  
Program -p 1 -dataWidth 1 -spionly -e -v -loadfpga  
quit
```

note : -verify can be omitted to speed up the process.

3/Preparing the mcs file

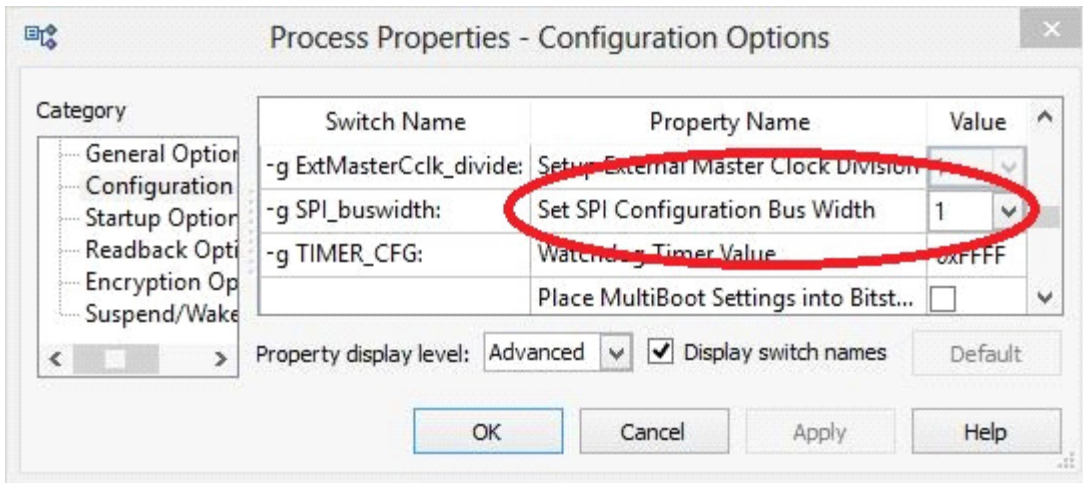
Launch the script with the command **impact -batch script.txt**

```
setMode -pff  
setSubmode -pffbpi  
addPromDevice -p 1 -size 131072 -name 128M  
addDesign -version 0 -name 0  
addDeviceChain -index 0  
addDevice -p 1 -file main.bit
```

generate -format mcs -fillvalue FF -output main.mcs
quit

4/Changing SPI bus width

In ISE in "Generate programming file" process properties.



In Impact in flash properties or program batch.

Program -p 1 -dataWidth 1 -spionly -e -v -loadfpga
quit