

Example ocean script to Create Digital Bus and Plot Bus

```
load("<UNIX path to file CreateDigitalBus.il >/CreateDigitalBus.il")

;;Open results and specify the path if required
;openResults( ". /results_sim/psf" )

base_results = strcat("<Path to your results directory>")
openResults(base_results)

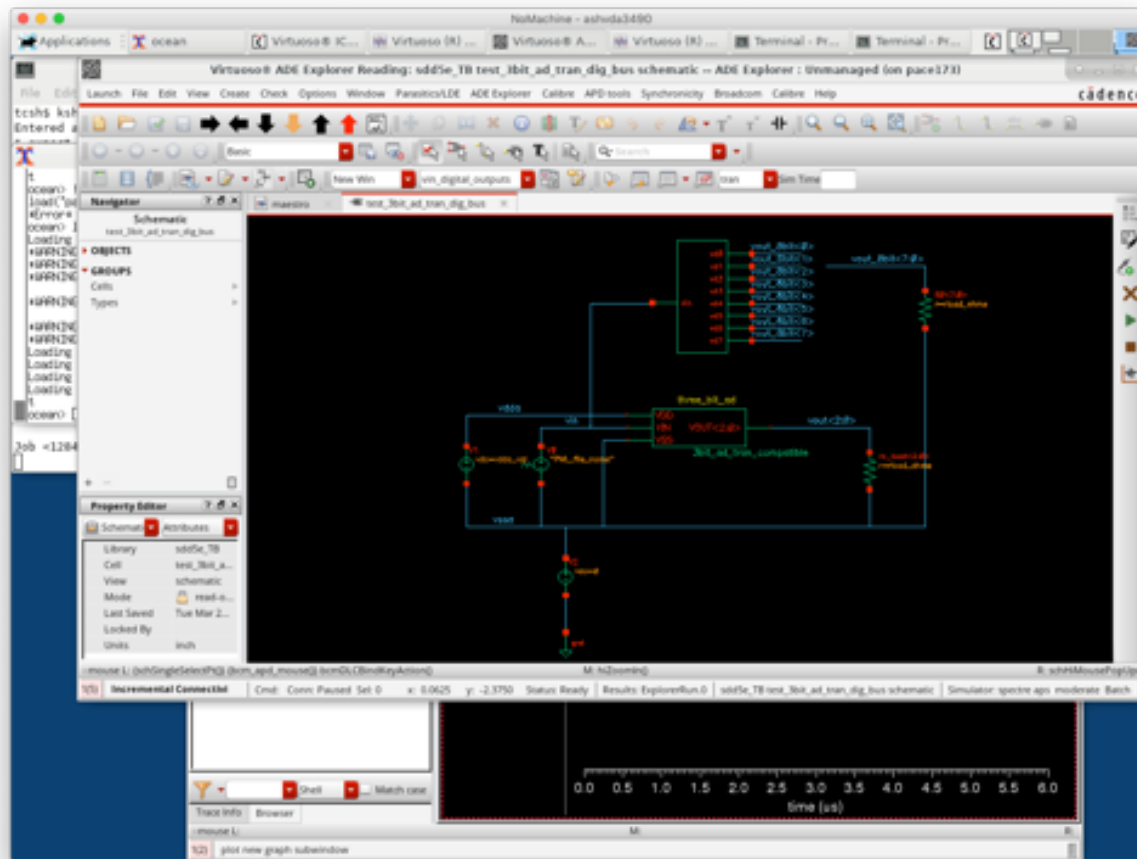
;;Select the required result

selectResult( 'tran' )

;;Based on the arrayNames provided, for example, sig1<0:7> etc,
;;create a digital bus for each of the array specified and plot them

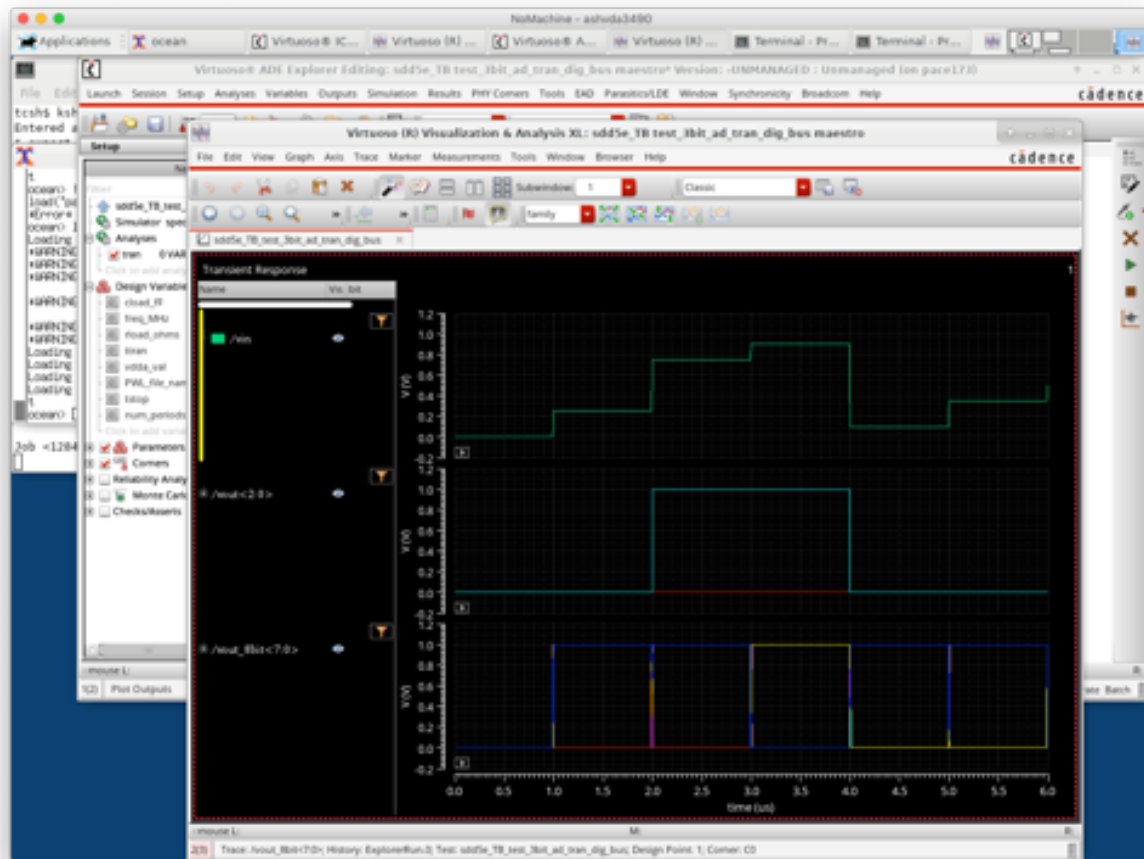
foreach( sig list("/vout_8bit<7:0>")
    bus_plot = CreateDigitalBus(sig)
    plot( bus_plot )
)
;exit()
```

Test Bench to Create 8 bit and 3 bit Busses from Analog Waveform vin



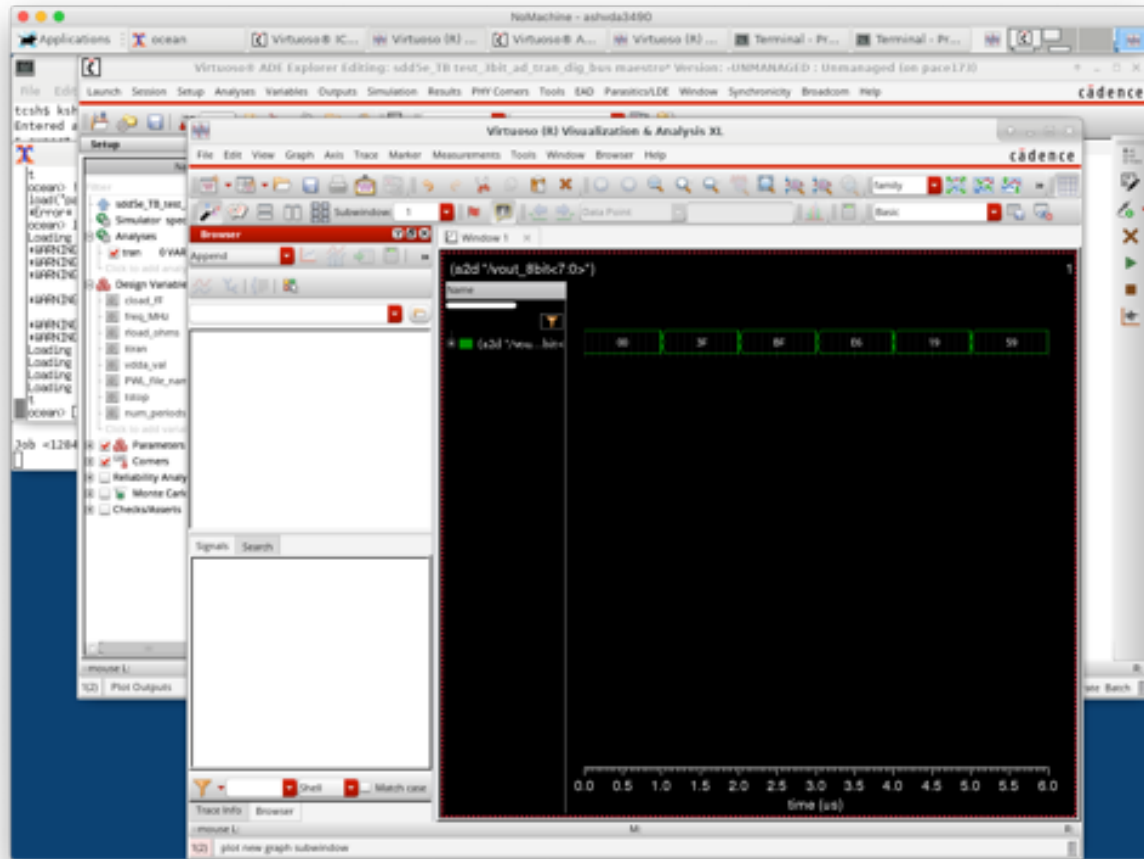
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Analog Waveforms showing Analog Input (vin) and 3 bit/8bit versions after 3/8 bit A/



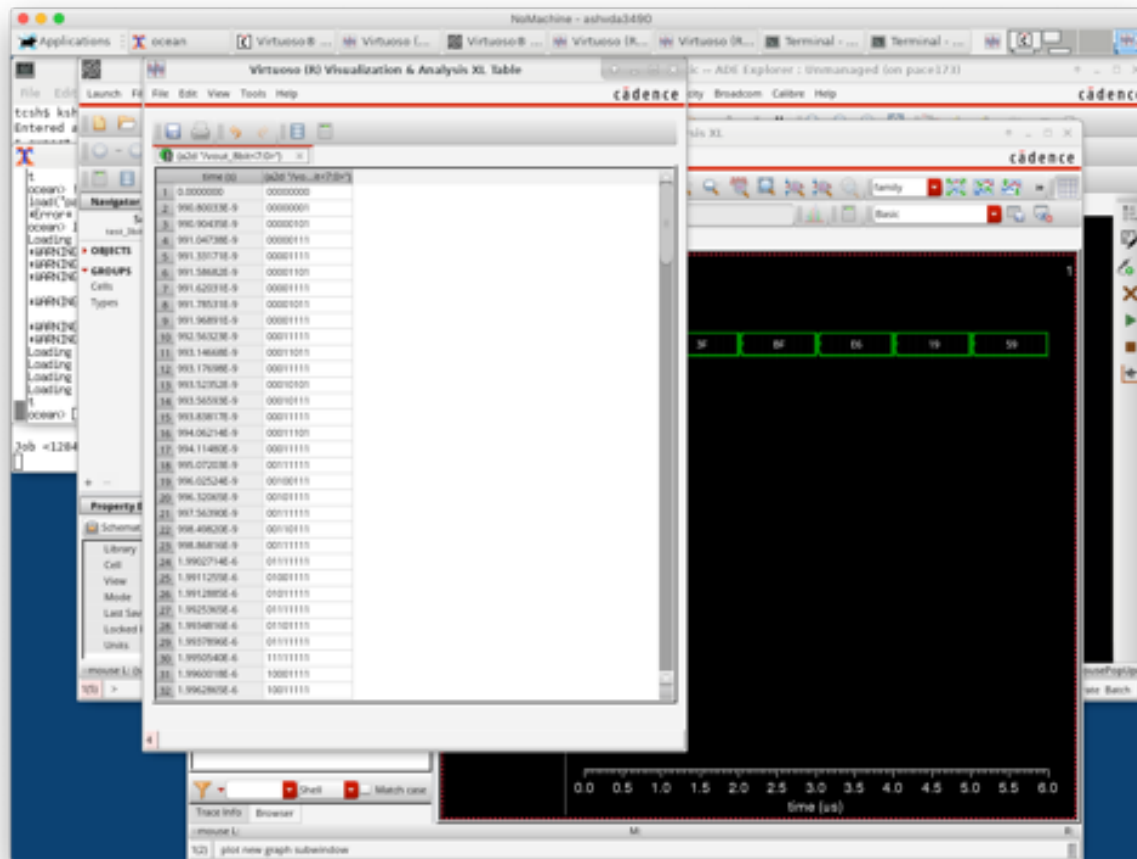
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Output Plot Generated from Ocean Script



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Digital Waveform for 8 bit Bus Exported from ViVA into Table



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