

University of Maryland Baltimore County

Tutorial: Setting Up Synopsys Tools

1. Login to **cadence2.cs.umbc.edu** (make sure you are on the UMBC VPN for a reliable connection).
2. Type “**bash**” to enter into the Bash Shell.
3. To run **TetraMax (Test Pattern Generator)**, run the following command:
 - I. source /umbc/software/scripts/env_synopsys_txs.sh
 - II. Then, type “**tmax**”
4. To run **Design_vision (Synthesis Tool)**, run the following command:
 - I. source /umbc/software/scripts/env_synopsys_dc.sh
 - II. Then, type “**design_vision**”
5. To run **HSpice and Wave Viewer (Transistor Level Simulator)**, run the following command:
 - I. source /umbc/software/scripts/env_synopsys_hspice.sh
 - II. Then, type “**hspice**” or “**wv**”
6. To run **VCS (RTL/Gate-Level/Digital Simulator)**, run the following command:
 - I. source /umbc/software/scripts/env_synopsys_vcs.sh
 - II. Then, type “**vcs**”