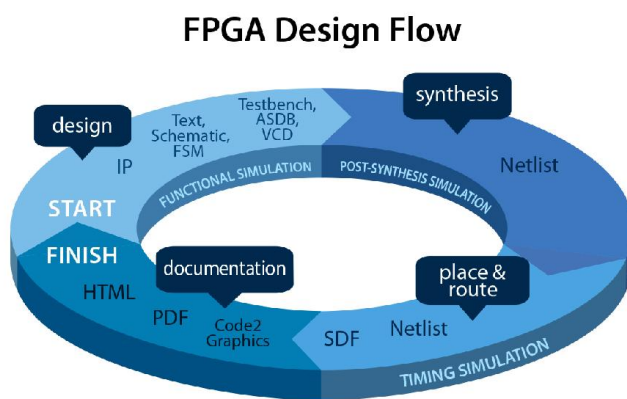


FPGA Design Creation and FPGA Simulation

Active-HDL™ is a Windows® based, integrated FPGA Design Creation and Simulation solution for team-based environments. Active-HDL's Integrated Design Environment (IDE) includes a full HDL and graphical design tool suite and RTL/gate-level mixed-language simulator for rapid deployment and verification of FPGA designs.

The design flow manager evokes 200+ EDA and FPGA tools, during design entry, simulation, synthesis and implementation flows and allows teams to remain within one common platform during the entire FPGA development process. Active-HDL supports industry leading FPGA devices from Intel®, Lattice®, Microsemi™ (Actel), Quicklogic®, Xilinx® and more.



Top Features and Benefits

Project Management

- Unified Team-based Design Management maintains uniformity across local or remote teams
- Configurable FPGA/EDA Flow Manager interfaces with 200+ vendors tools allows teams to remain on one platform throughout FPGA development

Graphical/Text Design Entry

- Quickly deploy designs by using Text, Schematic and State Machine
- Distribute or deliver IPs using more secure and reliable Interoperable Encryption standard

Simulation and Debugging

- Powerful common kernel mixed language simulator that supports VHDL, Verilog, SystemVerilog and SystemC
- Ensure code quality and reliability using graphically interactive debugging and code quality tools

- Perform metrics driven verification to identify unexercised parts of your design using Code Coverage analysis tools
- Improve verification quality and find more bugs using ABV - Assertion-Based Verification (SVA, PSL, OVA)
- Ability to simulate advanced verification constructs like SV Functional Coverage, Constrained Randomization and UVM
- Connect the gap between HDL simulation and high level mathematical modeling environment for DSP blocks using MATLAB®/Simulink® interface

[Documentation HTML/PDF](#)

- Abstract design intelligence and represent them in easy to understand graphical form using HDL to schematic converter
- Share designs quickly with auto-generate Design Documentation in HTML and PDF