

P4FPGA.org: Open-source P4 backend for FPGA

Problem: We need a FPGA P4 compiler that is

- (i) portable across different target boards;
- (ii) a complete end-to-end solution;
- (iii) readily available to researchers and developers.

P4FPGA features:

- ✓ Compiler and infrastructure
- ✓ Easy debugging interface
- ✓ High level implementation language: Bluespec
- ✓ Open-source project
- ✓ Extensible to third-party IPs

Demo: Hardware Accelerated P4Paxos Protocol

