

XORP: An eXtensible Open R Platform

International Computer Science Institute

The Project

- Started January 2001
- Sponsors
 - Intel
 - National Science Foundation (Award ANI-0129
 - DARPA (Control Plane)

Objective

- To replace edge routers with commodity PCs running software forwarding, thus enabling innovation and research.
 - A low end router (350Mhz MIPS processor) software forwarding. Will only forward 4000 packets per second.
 - A high end PC with dual PCI busses can forward 40000 packets per second.

Deployments

- PlanetLab testbed for DARPA control plane project (September 2004)