

## OSU Open Source Lab

The Oregon State University Open Source Lab is home to growing, high-impact open source communities. Its world-class hosting services support many of the essential open source projects changing the face of computing. Through custom software development, vendor partnerships and industry events, the Lab's staff and students encourage open source adoption in education, government, health care and other sectors.



The Lab's developers contribute to projects in the public, health care and education sectors, such as the OLPC.

With its globally distributed infrastructure, the Lab hosts open source projects now powering servers, desktops and embedded devices. OSL enables the Linux operating system, Apache Web server, Drupal content management system and over 50 other leading

open source software projects to collaborate with contributors and distribute software to millions of users globally. OSL's managed services — including FTP mirroring, DNS management, automated back-

ups, source code repositories, mailing lists, 24x7 monitoring and professional support — ensure high performance and uninterrupted access for developers and users alike.



Leading technology firms nationwide recruit OSL's skilled developers and system administrators.



OSL servers host many of the world's leading open source projects.

The engineers and system administrators at the Lab are also key contributors to collaborative development efforts worldwide. In addition to the suite of network management tools the Lab maintains, OSL is a trusted partner in medical records, disease surveillance and other open health care applications. Students and staff have hands-on roles in education technology initiatives, including Oregon's K-12 online learning program and the One Laptop Per Child (OLPC) project. The Lab is also helping fuel the adoption of open source technology in the public sector by attracting IT leaders worldwide to its annual Government Open Source Conference (GOSCON).

The non-profit Open Source Lab is able to expand its services to the global open source community thanks to the generous support of its industry partners. Google, IBM and Real Networks are just some of the members of the OSL Alliance corporate sponsorship program.

The Open Source Lab's mission is to accelerate the growth of high-impact open source software projects worldwide through professional hosting services, custom development and industry expertise provided by the staff and students of Oregon State University.

## World-Class Hosting

- FTP mirroring featuring over one gigabit of bandwidth and servers nationwide, each with 6 terabytes of storage.
- Source code repositories using open source Subversion and git systems.
- Automated backup and restore.
- Database cluster management.
- DNS management and IP allocation.
- Mailing list and mail replay management, including spam and virus tagging.
- 24x7 monitoring and outage notification.

## Custom Software Development

- System and network administration tools, including RAIV rack and inventory viewer, Maintain for DNS and DHCP, and Bouncer for mirror network management.
- Printing and Helix multimedia support for the One Laptop Per Child (OLPC) computer.
- Contributor to Oregon Virtual School District (OR-VSD) remote learning solution.
- Application development for Trisano, the U.S. state and country infectious disease surveillance system.

## Industry Events and Expertise

- Host of GOSCON, the premier open source conference for government IT professionals worldwide.
- Public Sector Communities program featuring project leadership and resources for open source initiatives across agencies and organizations globally.
- Consortium member of Open Health Information Project (OHIP) for secure, shared patient information.

## Opportunities for Students

- Advisory council featuring leaders from global open source projects and commercial vendors such as Apache, Perl, Drupal, the Linux operating system, Google, Novell and other firms.
- Development, testing and system administration roles in real-world production environments.
- Entree to potential employment with leading technology firms nationwide.

## Clients

*"Behind the scenes, the Open Source Lab powers many of the most important open source projects in the world."*

**- Justin Erenkrantz, President of the Apache Software Foundation**

Here are a just some of the OSL's clients:



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