

# Home

## LAMS Technical Wiki

### Search LAMS Technical

### Downloads & Installers

- **All Downloads**
  - Windows Installer & Instructions
  - Unix/Mac OS X Installer and Instructions
  - System Requirements
  - In Mobile Devices ★ new
  - **LAMS is Open Source** Licensed under [GPL 2](#)
- **Integrations**
  - Moodle
  - Sakai 2.3 and 2.4
  - Blackboard 7.1+
  - dotLRN 2.3
  - Blackboard CE 6 (ex WebCT Vista)
  - Microsoft SharePoint 3.0
- Troubleshooting
- Need more help?
- Teachers and Users Documentation

### LAMS for System Administrators

#### System Administration Guide

- Installing MySQL on Windows for LAMS
- Installing Wildfire for LAMS
- Changing Server Ports for LAMS
- LAMS Configuration
- Language Packs
- Using LDAP for authentication
- LAMS Integrations with other LMS
- Troubleshooting for LAMS
- Reporting Problems and Bugs
- Set up LAMS over SSL (HTTPS)
- And lots more...

#### Production Servers

- Configure LAMS to maximize performance
- Performance Monitoring
  - Test Harness
- Performance Reviews
- Scalability Reviews
- Clustering

## LAMS General Information



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Current version: [LAMS 3.1](#)  
*released December 2018*

### Technical Info

- [Development Status](#)
- [Features List](#)
- [Roadmap](#)
- [Check out our code activity \(fisheye\)](#)
- [Bug Tracker](#)
- [Translating LAMS](#)
- [Technical Overview](#)
  - [LAMS 2 Architecture](#)
- [Report bugs](#)
- [Try the LAMS Demo Site](#)
- [Who's using LAMS?](#)
- [Glossary of Terms](#)

### Ohloh Profile

### LAMS Technical Community

- [Technical Forums](#)

### Looking for Teachers and User Guides?...

- See the [LAMS Documentation Wiki](#)

## LAMS for Developers

### General

- Understanding the LAMS Architecture
- LAMS Server Versions
- Building from Source
- Setting up your Development Environment
  - Plugins and Extensions
- Common Java Libraries
- CVS Repositories, Branches and Tags
- Debugging with JBOSS and Eclipse
- Current Database and Configuration Changes
- JBOSS Class Loader Configuration
- How to set up JAAS in LAMS
- Best Practices

### Tool Development

- Tool Contract
- Tool Adapters ★ new
- Eclipse Tool Builder
- Starting Tool Development
- Tag Library Definitions
  - LAMS Custom Tags
- Development Best Practices

### Integrations

- Tool Adapters: Adding LMS Tools into LAMS ★ new
  - Moodle Forum ★ new
  - .LRN Forum ★ new
- LAMS & 3rd Party Integrations
- Using External Tools and Services (Tool Wrapper, Adaptor or Decorator)

### Specifications

#### How LAMS Works

- Administration (Course and User Management)
- Content Management
- Core Services
- LAMS Main Page
- Monitor
- Progress Engine
- Tool Contract

#### How we Build LAMS

- Accessibility
- Common Java Libraries
- JSP and HTML Conventions
- Flash
  - Flash Architecture
- Error Handling
- Licensing
- Technical Presentations