

OWASP Project Hosting

Sourceforge.net Branded Neighborhood Proposal



Home

We provide the tools. You create great open source software.

Start Your Project

 <p>Wikis Documentation is key to your project and the wiki tool helps make it easy for anyone to contribute.</p>	 <p>Code SVN, Git and Mercurial will help you keep track of your changes.</p>	 <p>Tickets Bugs, enhancements, tasks, etc., will help you plan and manage your development.</p>
 <p>Downloads Use the largest free, managed, global mirror network to distribute your files.</p>	 <p>Stats Follow the download trends that enable you to develop better software.</p>	 <p>Forums Collaborate with your community in your forums.</p>

Proposal Overview

SourceForge has a new beta version that provides a strong cross platform project hosting solution, based on open software, open standards, and open data. We believe OWASP deserves an open source solution that gives them free access to both their data, and the code needed to access, display, and manipulate that data.

In the last year, the supporting tools on SourceForge have been rebuilt on top of a scalable, flexible, plugin driven system for project hosting called *Allura*. The Allura platform allows projects a high degree of flexibility in which tools to use, while maintaining a high degree of integration between the Tracker, Wiki, SCM, Forums, and other tools. It also allows projects with specific needs to either extend existing tools to fit their needs, or to develop entirely custom tool that are purpose built to fit their needs.

The new SourceForge includes the ability to create and manage *neighborhoods*, which are essentially a custom portal, for a collections of projects which were designed to provide larger organizations like OWASP to provide co-branded project hosting space inside of the Sourceforge.net domain.

This proposal encompasses setting up and supporting and OWASP branded neighborhood/portal, and extending the Allura platform to handle additional requirements outlined in the RFP (www.owasp.org/index.php/GPC/RFP/Project_Hosting).

Basic Project Hosting Services

Issue Management

Sourceforge provides a tracker built around the ticket tracking needs of open source projects. Fields are customizable, every ticket becomes a mini-mailing list so interested parties can be notified of ticket changes via e-mail or RSS, and issues can easily be tracked against milestones and releases.

Version Control systems

SourceForge provides standard support for the most popular modern version control systems including Subversion, Git, and Mercurial. We provide a high availability setup with redundant machines, for each of these systems, and versioned data is kept in standard on disk format for each of the VCS's and is backed up regularly.

Other VCS systems (CVS, bzr, perforce) may be added at a later date as demand dictates. We do have CVS servers available now, but CVS is currently not supported at the same level as our other VCS's, and we my never have the same level of high availability for CVS due to limitations of the on disk format. VCS's are implemented as plugins to Sourceforge.net

The screenshot shows the SourceForge Allura interface. At the top, there is a search bar for "Find Open Source Software" and links for "Register" and "Log In". Below this is the "Allura" logo and a navigation menu with options: Home, Tickets, Wiki, Git, Discussion, Chat, and Downloads. The main content area displays a "Milestone may-26" overview with the following details: Status: Open, Due Date: 05/26/2011, Progress: 7 / 12. Below this, it shows "Showing 12 results of 12" in a table format. The table has columns for #, Summary, Milestone, Status, Owner, Component, and Size. The table lists 12 tickets with their respective details.

#	Summary	Milestone	Status	Owner	Component	Size
1433	Options pane doesn't close when Cancel clicked	may-26	in-progress	Wayne Witzel III	Admin	2
1507	Home tool revisited	may-26	code-review	Dave Brondsema	General	4
1508	Project Summary tool	may-26	code-review	Kyle Adams	allura-forge-classic	1
2013	File browse server-side performance	may-26	closed	Tim Van Steenburgh	General	2
2074	Make the Blog tool production quality	may-26	in-progress	Tim Van Steenburgh	General	4
2106	SF 2.0: Screenshot upload not working in IE8 [19313]	may-26	closed	John Hoffmann	Admin	4
2119	Move leaderboard down	may-26	closed	Jenny Steele	sfp	2
2135	Bug when migrating sfx project, icon_url value error	may-26	closed	Jenny Steele	allura-forge-classic	1
2145	new html5 validation errors	may-26	closed	Kyle Adams	sfp	2
2149	Report on slow ads	may-26	blocked	Kyle Adams	sfp	1
2156	New account page requires login to view terms of service! [19561]	may-26	closed	sfp	sfp	1
2162	AFS JS errors on softwaremap	may-26	closed	Jenny Steele	sfx	1

the base Allura platform, and given a desire from a specific project could be implemented either externally as part of the open source Allura platform, or by the SourceForge development team for a reasonable fee.

We have a fine grained permissions control mechanism in place for each of the currently supported tools, that allows users or groups to be given read or write access to individual repositories. Not all of the VCS's have a file/branch level commit access control system built in, but we do provide access for project admins to install hooks which would allow projects to enforce a more granular permission system. Alternatively, because projects can have multiple repositories, large repositories with complex permission structures can be broken down into smaller repos that can be enforced using existing access control mechanisms.

Continuous Integration Support

SourceForge does not have standard out of the box CI support. But at OWASP's request will build hooks for CI server integration into the Allura platform, and will provide a farm of Jenkins (<http://jenkins-ci.org/>) instances, and virtualized servers to run continuous integration for OWASP projects. Each Jenkins instance resides on a CentOS linux server, and will incur a base fee of \$35/month for for maintenance, monitoring, and basic hosting services, and will have SSH access for key project administrators to install the libraries needed and setup the specific build steps needed for that project's build process. We will also provide setup/configuration and more advanced support at a rate of \$100/hr for projects setting up CI on our systems.

The out of the box integration between Jenkins and Allura will consist of authentication and permission integration, SSH access control. We plan to allow automatic cross linking to and from jenkins reports in the other Allura tools, but do not expect to have that Jenkins plugin written at OWASP launch.

Support for multiple languages

SourceForge supports projects written in any language, and provide support for most modern languages. For example we provide syntax highlighting support for:

ActionScript	Common Lisp	Logtalk	Python 2.x and 3.x (incl. console sessions and tracebacks)
Ada	Cython	Lua	Rebol
ANTLR	D	Matlab	Redcode
AppleScript	Delphi	MiniD	Ruby (incl. irb sessions)
Assembly (various)	Dylan	Modelica	S, S-Plus, R
Asymptote	Erlang	Modula-2	Scala
Befunge	Fortran	MuPad	Scheme
Boo	Gherkin (Cucumber)	Objective-C	Smalltalk
BrainF*ck	GL shaders	Objective-J	Tcl
C, C++	Haskell (incl. Literate Haskell)	OCaml	Vala
C#	Io	PHP	Visual Basic.NET
Clojure	Java	Perl	XQuery
CoffeeScript	JavaScript	PovRay	
ColdFusion	LLVM	Prolog	

We utilize open source tools for language support, and as those tools continue to grow we will provide support for even more languages.

Not all languages will have full support on the linux platform, and therefore there may be some limitations for our Jenkins install, but if other platforms are needed we can help setup EC2 or other cloud based jenkins instances or for platform specific Jenkins slaves.

Project Metrics/Statistics

We believe that providing projects with statistical data on how well they are doing, helps them to succeed, and have always provided a reasonable set of project statistical/usage data. We will be continuing to extend this service, and should have no problem meeting all of your requested statistics requirements for:

- Downloads
- Code Commits
- Active Committers
- Community Feedback Ratings
- Average Issue Resolution Time
- Open/Resolved Issue Counts

We will also provide forum usage data, allow you to drill down into downloads from specific regions, or for specific versions of the software, etc.

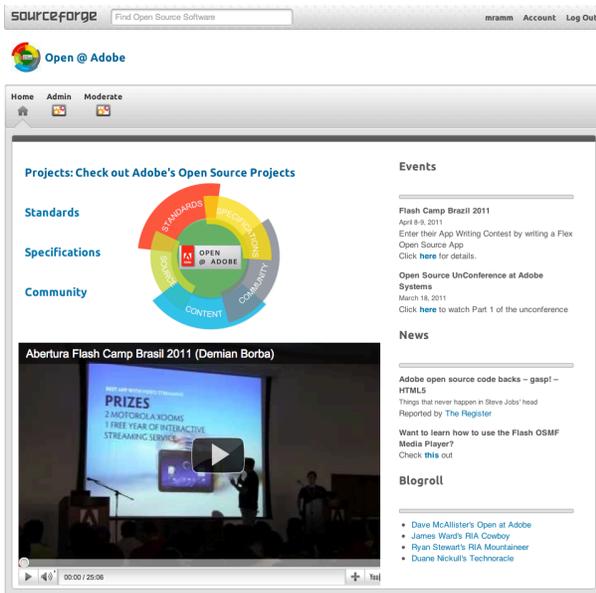
In Q3 we will be rolling out some additional metrics support that allows for aggregated cross-project data, and can be used to setup a project success metrics dashboard as outlined in the Project Management Services section.

Project Content Presentation Services

Project Content Presentation Services

We will provide a SourceForge neighborhood for project hosting. The neighborhood will have the same set of tools available to it as any project including but not limited to: wiki, tracker, forums, IRC/chat integration and blog/news.

Neighborhoods allow for central management of projects (neighborhood admins are allowed to manage project permissions and settings), and perhaps more importantly they provide a central resource for creating and maintaining a consistent brand across projects.



OWASP Neighborhood wiki home page

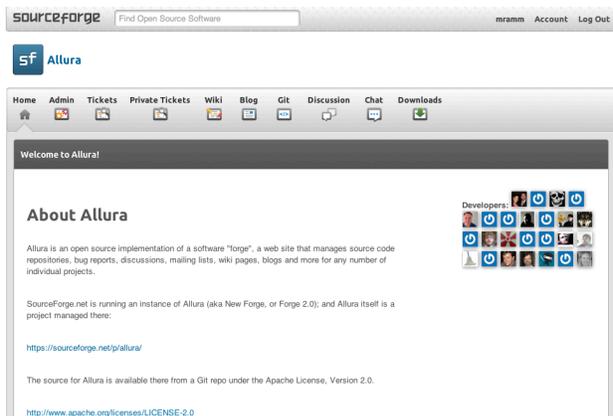
The OWASP neighborhood can have one (or more) wiki's (which show up independently in the top nav of the OWASP neighborhood, and can have separate permissions). This allows for a variety of public and private workspaces, and includes macros that can display filtered project lists, and can serve as a configurable and automatically updated entry point into the OWASP neighborhood.

The neighborhood admin system allows for some CSS based customization of all pages in that neighborhood, as well as a very customizable entry point for the neighborhood as a whole, and can be home to top level tools for OWASP to use at the organizational level, from wiki's to ticket trackers, and forums. Each of these tools can

be individually access controlled and used for whatever OWASP needs.

OWASP Project wiki home pages

Every OWASP project will get their own wiki which can be setup as their project home page. We support project templates that can automatically create the wiki with the right name in the right spot, with the right home page template. Additionally we have cross project wiki linking, and "include" macro that allows pages to automatically include content from other pages in the system, and other tools that will make OWASP's job of managing multiple wiki's and wiki templates easier.



Mailing Lists / User Groups

SourceForge provides two "mailing list" solutions. We have mailman based lists that can be setup and administered through the project admin interface, and we have "Google-groups-like" forums, which provide an integrated forum/ mailing list with automatic backlinks to tickets, SCM commits, and other SourceForge.net tools used by the project.

Downloads Page

Sourceforge.net has a global mirror network that provides fast, redundant and globally distributed, and reliable project file distribution point. Releases can be pushed up to the system using SSH+rsync, the web interface, or even secure FTP. Projects can then track statistical data about who is downloading what files when, where they are located, and can use the SF.net system to provide reliable and trusted download numbers for press releases and other public popularity reporting needs.

The global mirror network also allows us to easily provide users with large downloads from local mirrors, and it is likely that we'll push over 500 million downloads in Q2 2011, so we will have no problems handling the traffic from even the largest OWASP project downloads.

Native Language Documentation

We provide web hosting for native language documentation and other project needs. Each project gets their own space, and can upload whatever content they need. This provides OWASP projects with the ability to upload JavaDoc, PhpDoc, Sphinx, Rdoc, or whatever documentation they desire.

We also plan to integrate this with version control hooks, so publishing new documentation will be as easy as pushing the rendered documentation into the proper Git or SVN repository location.

Project Management Services

Customizable (OWASP Branded) Projects Portal

As mentioned earlier we will provide OWASP with a custom branded neighborhood wiki that can serve as the home for the neighborhood. This wiki will include macros that allow you to display lists of projects by "tag" so, one page could list all the mature projects, another could list all the Ruby projects, etc.

We will also work with OWASP to provide custom wiki macros that allow dynamic project highlighting based on OWASP defined selection criteria and pre-defined rotation schedule.

We will also implement neighborhood level project search that allows filtering based on project labels for function, category, etc.

Metrics Reporting

SourceForge will work with OWASP to provide wiki macros that allow the display of individual and aggregated project metrics for downloads, ticket status, and other key performance indicators for project success. The details of this aggregation system will be worked out with OWASP, but we expect that all project metrics, as well as aggregated results will be displayable via wiki macros, so OWASP can customize the location and organization of the data to match their specific needs.

Per Project Feature Settings

Every tool on the SourceForge project hosting system is optional. OWASP projects can pick and choose just what they want, and can even host some pieces of their development infrastructure elsewhere and still set it up in the top navigation for their project. For instance a simple library in early stage incubation could have just a Git repository and a ticket tracker. Another project based on reviewing other libraries could just have a ticket tracker and a team forum to track activity. A third project could have several different forums for end users, developers, feature ideas, along with repositories for code, documentation, and separate ticket trackers for bug reports and tracking development work.

The only requirement of the system is that at least one tool be installed per project, since that tool will operate as the "home" page of the project.

Review Process

We can support formal review processes via a centralized ticket tracker system cross linked with wiki page reports. At OWASP's request we can either provide a more complete project review tool that matches the OWASP processes, or support OWASP developers in creating that tool as an Allura plugin.

Hardened Security

At Sourceforge we have a layered approach to security ranging from code review of application code, to service isolation, intrusion detection, network partitioning, as well as external penetration testing, and are open to discussions with OWASP about hardening our systems.

As a large and very public target we have been subject to attacks, and have always been very transparent with our partners and our users about what happened, the associated risks, and have taken appropriate action to safeguard user and project data. We are very open to constructive feedback on our security, and the Allura code itself is open source, so we welcome everything from code review to testing in a controlled environment.

Nothing would please us more than having a strong relationship with a partner like OWASP, and any contributions from OWASP or other members of the community are always welcome.

Pricing

Initial Setup Customization and Testing: \$9000

Create a functional OWASP neighborhood with support for new features:

- Additional project stats (as mentioned in the RFP)
- Aggregate stats display
- Project display macros
- CI integration
- Project Template support

Support and Maintenance:

- \$1,500/mo or \$15,000/yr (for branded neighborhood and up to 500 projects)
- \$300/mo per 10 CI instances

Customization:

- \$100/hr for customizations we can roll into the main project
- \$150/hr for new tool work

OWASP community provided patches or house built customizations will be evaluated, and if they fit, will be integrated into Allura and made available to OWASP free of charge.