Supplemental Tables

Releasing Tools for International Disease Surveillance as Open-Source Software: A Case Study

Raj J. Ashar

Supplemental Table 1. List of licenses used by various libraries on which SAGES tools depend

Full license name	License text URL	Notes
Apache License, Version 2.0	http://apache.org/licenses/LICENSE-2.0	
BSD 2-Clause License	http://opensource.org/licenses/BSD-2-Clause	
BSD 3-Clause License	http://opensource.org/licenses/BSD-3-Clause	
Eclipse Public License 1.0	http://www.eclipse.org/legal/epl-v10.html	
Exception for Applications, Version 1.04	http://www.sencha.com/legal/open-source-faq/open-source-license-exception-for-applications	
GNU Lesser General Public License (LGPL) 2.1	http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html	Use of this library is permissible because OpenESSENCE links to it only statically.
GNU LGPL 3.0	http://www.gnu.org/licenses/lgpl.html	Use of this library is permissible because OpenESSENCE links to it only statically.
MIT License	http://opensource.org/licenses/mit-license.php	
Oracle Binary Code License Agreement for Java EE Technologies	http://download.oracle.com/otn-pub/java/licenses/OTN_JavaEE_Legacy_Binary-Code-License_30Jan2012.txt	There is a separate license page link for each Java software product released by Oracle, but a comparison of the J2EE 5 and 6 license page links showed that the license text was identical.
Oracle FOSS License Exception	http://www.mysql.com/about/legal/licensing/foss-exception/	
PostgreSQL License	http://www.postgresql.org/about/licence/	
Sun Microsystems, Inc. Binary Code License Agreement	http://svn.apache.org/repos/asf/pdfbox/branches/before-apache-packages/licenses/sun-jaicmm/LICENSE-jai.txt	

Supplemental Table 2. Hosting sites that were eliminated from further evaluation on the basis of preliminary criteria

Site name	URL	Not software-focused	Technical focus not aligned w/ SAGES	Project requires review	<1000 hosted projects	No project listing	Does not use SVN/ Git VCS	Reason for elimination
Alioth	http://alioth.debian.org/		X					Focused on Debian OS
Apache Incubator	http://incubator.apache.org/			X	X			Acceptance of project depends on voting by members of the Apache Software Foundation; also, currently hosts only a few dozen projects (as of 29 Jan 2013)
Betavine	https://forge.betavine.net/		X					Focused on development for mobile platforms; has relatively few hosted projects (27 as of 4 Jan 2013)
BitBucket	https://bitbucket.org/					X		Does not provide a public listing of hosted open-source projects; also, would not specify the number of projects hosted
Codehaus	http://www.codehaus.org/			X				Submitting a project requires proposal to the site (http://www.codehaus.org/customs/selection.html)
CodePlex	http://www.codeplex.com/		X					Focused on Microsoft platforms and technology stack
Deveo	https://www.deveo.com/					X		Does not appear to freely host open-source projects on the web
Eclipse Labs	http://code.google.com/a/eclipselabs.org/hosting/		X					Focused on Eclipse IDE
Freepository	https://freepository.com/home/					X		Does not appear to freely host open-source projects on the web
Gna!	https://gna.org/			X				Requires approval of project by site administrators (https://gna.org/register/basicinfo.php)
Java.net	http://www.java.net/			X				Requires at least one level of review of project by hosting site; more reviews may be required, depending on community: http://www.java.net/project-approval-requirements
JavaForge	http://www.javaforge.com				X			Site content appears to be stale; small number of projects (399 as of 4 Jan 2013, http://www.javaforge.com/listProjects.spr)
KDE Projects	https://projects.kde.org/		X					Focused on KDE GUI technology
KnowledgeForge	http://www.knowledgeforge.net/				X			Purpose of site is not stated clearly; homepage states 263 hosted projects (as of 28 Jan 2013)
Launchpad	https://launchpad.net/						X	Launchpad uses the Bazaar DVCS
Ourproject.org	http://ourproject.org/	X						Not focused exclusively on software, but rather encompasses social movements
OW2	http://forge.ow2.org/		X					Focused on infrastructure software
Puszcza	http://puszcza.gnu.org.ua/		X					Repository for software developed by GNU-Ukraine
RubyForge*	http://rubyforge.org/		X					Focused on projects implemented in the Ruby programming language
Savannah (for GNU software)	http://savannah.gnu.org/		X					Repository for official GNU software
Savannah (for non-GNU software)	http://savannah.nongnu.org/			X				Requires project review for compliance with Savannah hosting policies; informal advice states "Do not use 'Open' in your project name" (http://savannah.gnu.org/maintenance/HowToGetYourProjectApprovedQuickly)
SEUL.org	http://seul.org/		X					Hosted projects are targeted to Linux, education/engineering/science applications
Tigris	http://www.tigris.org/		X					"Focused on building better tools for collaborative software development" (http://www.tigris.org)
TuxFamily	http://www.tuxfamily.org/	X						Not focused exclusively on software, but rather on free content in general (http://www.tuxfamily.org/en/organization); also, some web pages are only in French

Data in the table were collected in January 2013. "X" marks each preliminary criterion that a hosting site failed to satisfy.

*RubyForge was taken offline permanently in mid-May 2014, https://twitter.com/evanphx/status/399552820380053505.

Supplemental Table 3. Main criteria data for hosting sites that satisfied all preliminary criteria

Site name (site owner)	URL	Shows adver-tising	Pricing details URL	Number of hosted projects	Git sup-port	SVN support	Wiki	UTF-8 sup-port	Issue tracker	Mail-ing lists	Public forums	Private forums	Pricing details	Disk space quota	Band-width quota	Notes
Assembla (Assembla, Inc.)	https://www.assembla.com/home	N	http://offers.assembla.com/free-project-hosting/index.html	>500,000	Y	Y	Y	Y	Y	N	N	N	Free (see Notes column for details)	1 GB	Not specified	On pricing details URL, Assembla indicates that they may discontinue free project hosting; if they do so, they will provide service for at least 1 year after signing up. Free projects will not allow other developers to contribute code.
BerliOS Developer (Fraunhofer FOKUS)	http://developer.berlios.de/	Y	http://developer.berlios.de/	>4,800	Y	Y	N	Y	Y	Y	Y	Y	Free	Not specified	Not specified	The actual number of results shown in the "Software Map" listing (e.g., under "Development Status" or "Topic") may be less than the actual number of results that are returned in the detailed project listing. (For example, although more than 300 projects may share a particular "Development Status," only 300 projects are returned in the detailed listing.)
GitHub—private repository (GitHub Inc.)	https://github.com/	N	https://github.com/plans	>9,000,000 (includes public and private reposito-ries)	Y	Y (see Notes column)	Y	Y	Y	N	N	Y	$7 per month for five private repositories	Not specified	Not clearly defined	GitHub recommends that repositories not take up more than 1 GB of storage. Issue Tracking and Forum are integrated; different categories of issues are tracked with differ-ent labels. GitHub offers an SVN-Git bridge that requires some additional steps for SVN developers.
GitHub—public repository (GitHub Inc.)	https://github.com/	N	https://github.com/plans	>9,000,000 (includes public and private reposito-ries)	Y	Y (see Notes column)	Y	Y	Y	N	Y	N	Free	Not specified	Not clearly defined	GitHub recommends that repositories not take up more than 1 GB of storage. Issue Tracking and Forum are integrated; different categories of issues are tracked with differ-ent labels. GitHub offers an SVN-Git bridge that requires some additional steps for SVN developers.
Gitorious (Gitorious AS)	http://gitorious.org/	N	http://gitorious.org/about	>30,000	Y	N	Y	Y	N	N	N	N	Free	Not specified	500 MB/month	Project count is an estimate based on the number of pages of publicly listed projects (more than 1,500 pages), with 20 projects listed per page.
Google Code (Google Inc.)	http://code.google.com/	N	http://code.google.com/p/support/wiki/GettingStarted	300,000	Y	Y	Y	Not speci-fied	Y	N	N	N	Free	Not specified	Not specified	There is some integration with Google Groups, such as sending e-mails when changes are committed.
Joinup (European Commis-sion)	https://joinup.ec.europa.eu/	N	http://joinup.ec.europa.eu/page/ten_principles	2,700	N	Y	Y	Y	Y	N	Y	N (see Notes column)	Free	1 GB	Not specified	Messages can be made private only for a community, even if there are multiple forums under a community (https://joinup.ec.europa.eu/contexthelp/forum-topic-create-forum-topic). Site was formerly branded as OSOR.eu.
SourceForge (Dice Hold-ings, Inc.)	http://sourceforge.net/	Y	https://sourceforge.net/	>300,000	Y	Y	Y	Y	Y	Y	Y	Y	Free	Not specified	Not specified	Site is in the middle of transitioning to an Allura hosting platform (https://sourceforge.net/p/forge/community-docs/Hosted%20Apps%20Retirement/). Time frame for transition is to be determined. This evaluation was based on the Allura platform.

Data in the table were collected in January 2013. Y, Yes; N, No