

Berkeley Storage Manager (BeStMan) Open Source Release Plan

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1 Problem statement

Current open-source release in BeStMan include all files in the LBNL source code repository: <https://codeforge.lbl.gov/svn/bestman/bestman2/sources/>.

Current issue is that OSG-release of BeStMan needs RPM-based packaging, and the RPM-based deployment structure of BeStMan package is very different from non-OSG usage that the current non-RPM based deployment is fully under the `$SRM_HOME` installation directory. To make a seamless release on OSG deployment of BeStMan within the OSG community, OSG would like to update the setup files and executable scripts. However, OSG is not able to allocate any further efforts for validating non-OSG use cases, and SDM group at LBNL cannot find any effort allocations to verify OSG use cases affecting non-OSG use cases.

Consequently, we plan to change the contents under the BeStMan's open source release as follows.

2 New open source release plan

Only programming-related source files will be available under the new BeStMan's open source release. Installation/deployment configuration and setup files as well as any of the BeStMan server, clients and tester executable scripts will not be a part of the open source release any more.

The source repository will be updated as the result of this change. The current configuration setup files and executable scripts will be stored in a separate directory on the source repository (`$SVN/bestman2/setup/`), where OSG packaging will not be confused. OSG team is permitted to have their own setup files and executable script files directory in the source repository (`$SVN/bestman2/setup-osg/`) alongside of the open source release files.

OSG is permitted continuously using the existing BeStMan's configuration setup files and executable script files, and allowed applying patches to the existing BeStMan's configuration setup files and executable script files. LBNL may need to update copyright statements in the scripts and setup files. However, there will not be any official support on the configuration setup files and executable script files for OSG use cases.

Other source patch contributions and source release procedures will remain the same. The Table 1 shows the current listing of the SVN directory of the `$SVN/bestman2/sources/` and which directories/files to be remained as a part of the new open source release. The updates on the source repository (`$SVN/bestman2/sources/`) will happen immediately.

3 Other changes from the new open source release plan

3.1 Source release

Source release as a gzipped tar file only includes the programming-related source files; all java files and their related developmental build files. The source package will have the source version number followed by “src” word (e.g. *bestman2-2.1.1-src.tar.gz*). LBNL will be responsible for the source release on the repository.

3.2 Version numbers

The version number will be based on the source release. All release packages must have the version number of the source release and append the additional packaging version number for the release. The format should be “*source_version-packaging_version*”. For example, when the source release version number is 2.1.1, the release package could be “*bestman2-2.1.1-r1.tar.gz*”. The format of the packaging version number is to be decided by the release team. The basic requirement in the packaging version number is to have a consistent and recognizable one word that is composed of the first letter(s) followed by numbers and letters without any spaces or special characters (e.g. *r1p20120430*).

3.3 OSG RPM release

OSG RPM release will be based on the source release on the LBNL source repository, and the OSG setup release. OSG packaging version number must be appended to the source release version number. For example, when the source release version number is 2.1.1, the OSG RPM package could have “*bestman2-2.1.1-o1.tar.gz*” to prepend the BeStMan RPM package. OSG RPM release will be in the OSG repository. The format of the packaging version number is to be decided by the OSG team. The basic requirement is stated in the section 3.2.

3.4 LBNL Binary release

LBNL binary release will be based the source release on the LBNL source repository and the LBNL setup release. LBNL binary packaging version number with prepending “r” will be appended to the source release version number, in the following form: *bestman2-source_version-r_packaging_version* (e.g. *bestman2-2.1.1-r1.tar.gz*). LBNL binary package will be in the LBNL repository.

Table 1: BeStMan2 source repository listing and remaining items

PATH	Content List	Notes	REMAIN
% pwd	\$SVN/bestman2/sources	Dir for all sources only	0
.	aclocal.m4		0
	build.properties.samples		0
	build.xml		0
	CHANGE	Changes file for the source files only	0
	client/		0
	configure*		0
	configure.in		0
	COPYRIGHT		0
	LICENSE		0
	properties/	Dir related to the executables	X
	README		0

	README.build		0
	server/		0
	setup/	LBNL setup directory	X
	sources/	We do not recognize this empty dir.	X
	tester/		0
	version	Source release version	0
	wSDL/		0
./client	build.properties.samples	All client sources	0
	build.xml		0
	ClientManifest.txt		0
	COPYRIGHT		0
	LICENSE		0
	README.src.client		0
	src/		0
./properties	authmod-unix.properties	All related to running clients and server	X
	authmod-win.properties		X
	log4j.properties		X
./server	build.properties.samples	All server sources	0
	build.xml		0
	COPYRIGHT		0
	LICENSE		0
	README.src.server		0
	ServerManifest.txt		0
	src/		0
./setup	bestman.in/	All LBNL setup files	X
	build.properties.samples		X
	build.xml		X
	configure*		X
	COPYRIGHT		X
	LICENSE		X
	README.setup		X
./sources		We do not recognize this empty dir.	X
./tester	build.properties.samples	All tester sources	0
	build.xml		0
	COPYRIGHT		0
	LICENSE		0
	README.src.tester		0
	src/		0
	TesterManifest.txt		0
./wSDL	build.properties.samples	All WSDL sources	0
	build.xml		0
	COPYRIGHT		0
	LICENSE		0
	README.src.wSDL		0
	ServerManifest.txt		0
	StorageResourceManager.wSDL		0
\$\$SVN/bestman2	./branch/	Branch repo before merging them to the main sources in \$\$SVN/bestman2/sources. This branch dir will not include setup files.	0
	./trunk/		Do not see the needs of this dir

	./directory.info	Directory info	0
	./setup-osg/	New directory for OSG setup files	
	./setup/	New directory for LBNL setup, moved from \$SVN/bestman2/sources	