

LTS Support Level Concept – Proposal (2nd revision)

This is a proposal for organizing LTS Support in two different levels. The reasoning behind the introduction of different support levels is to make it easier to provide support for older Eclipse versions (Eclipse versions before 4.2).

Introduction

LTS provides a central infrastructure for supporting Eclipse Releases that are no longer maintained by the Open Source community. It caters the needs of service providers and software vendors to create, build and share software containing bug fixes.

There are two levels of LTS Support

- Release Train
- (Sub-)Project

Release Train Support Level Characteristics

- All components are built from sources using CBI
- Existing tests are executed as part of the build process
- All binaries are signed with the Eclipse.org certificate

Prerequisites for the creation of a new LTS Release Train Version

- Eclipse Platform can be built with CBI
- All other projects that are part of the train can be built with CBI and allow automated execution of existing tests
- All fixes that are getting included have been reviewed on a central Gerrit instance and have received a “verified” from the build server and a sufficient number of +2 from different organizations (and no -2)

LTS Release Train Builds can be promoted to service releases by the LTS Steering Committee.

Project Support Level Characteristics

- Components containing fixes are built from source with Maven / Tycho, unchanged components can be consumed from existing release repositories as binaries. Steering Committee can accept other build technologies on a per case basis.
- Binary builds of the Components containing fixes follow a naming convention for the Qualifier part of the version to indicate the organization that created the binary and the creation date
- Components containing fixes don't have to be signed with the Eclipse.org certificate, organization can use their own certificates.

Prerequisites for the creation of LTS project builds containing bug fixes

- The component that contains the bug fix can be built from source files residing in a LTS repository with Maven / Tycho (or other build technologies if agreed by the steering committee). Software prerequisites for building the components can be consumed from released software from Eclipse.org.
- All fixes that are getting included have been submitted to a central Gerrit instance.
- The build scripts have been submitted to a central Gerrit instance.