


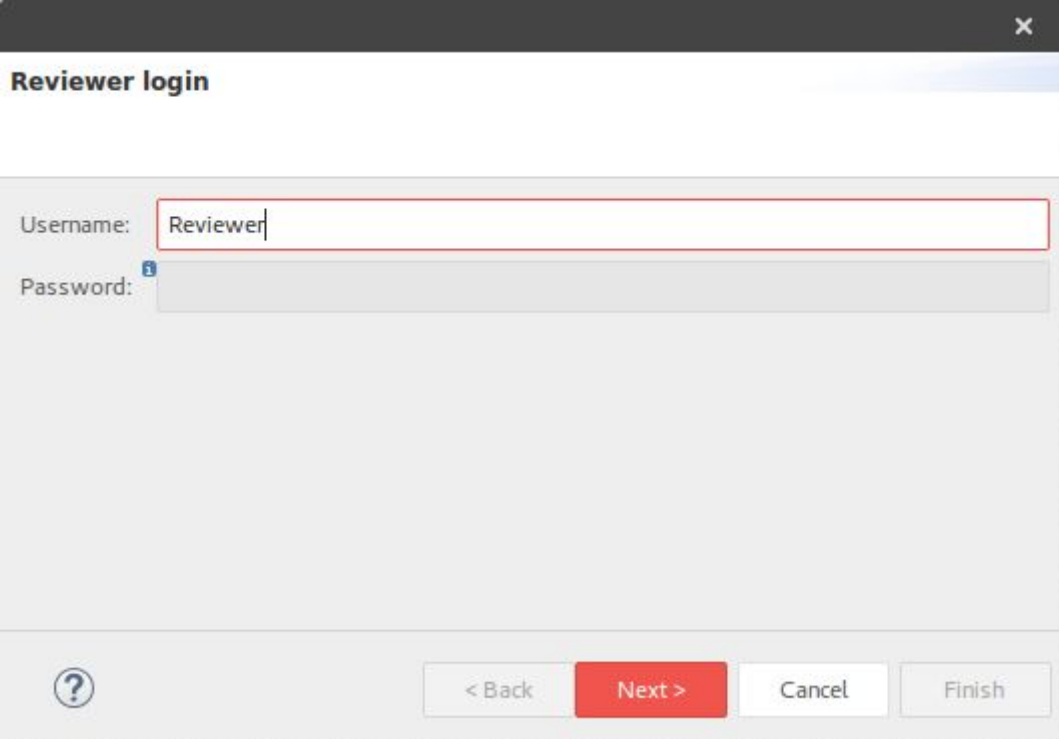
README - Evaluation Resources

Evaluation repositories

The git repositories used for the case study are provided in the archive evaluation-master-repos.zip . They are ready to use with mervin or any other eclipse IDE based on Eclipse Mars and EMF Compare, Papyrus, EGit (We suggest to use the mars build of the collaborative modelling initiative: <http://collaborative-modeling.org/>) and do not require gerrit, as all gerrit versions are stored in the contained refs. A comment protocol is distributed in the same directory of this document, Mervin comments are contained in the repository and will be automatically loaded with the review. To use the repositories, simply uncompress them to a directory of your choice. However, do not run git gc within these repositories, as this might destroy any additional review data.

Loading a Review of a repository in Mervin

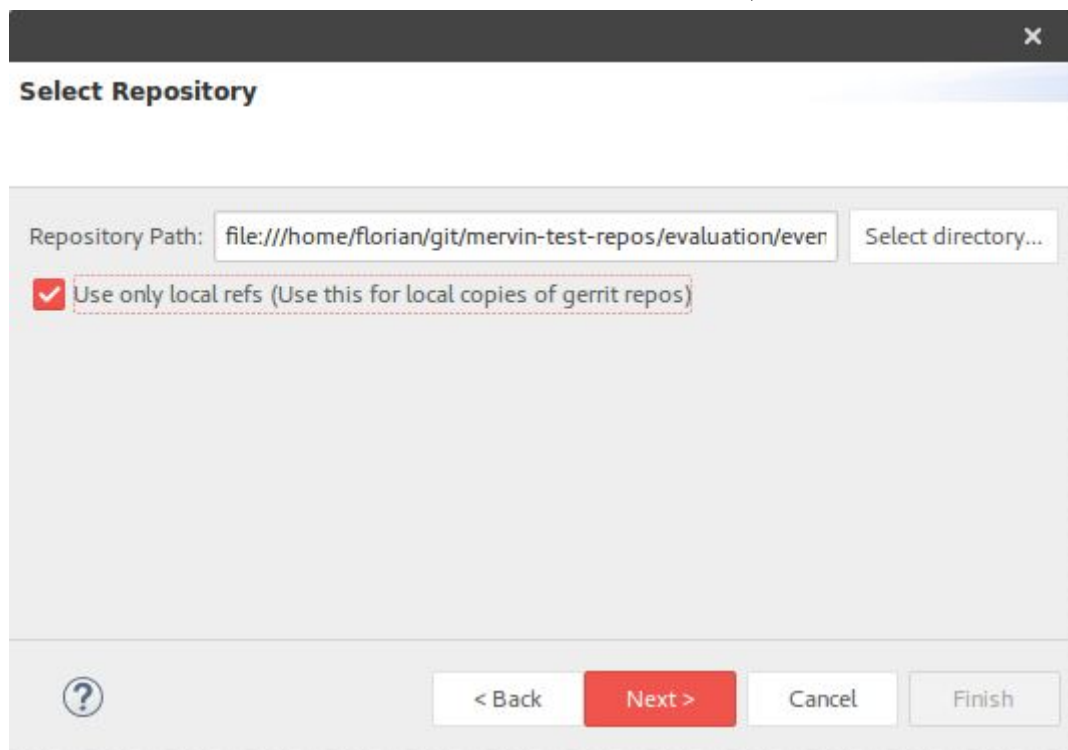
After starting the prototype, click on the load review button  in the tool bar, a wizard will be opened that guide you through the loading process. First you need to specify the current user that will be used for comments. For the evaluation repositories use either 'Reviewer' or 'Contributor'.



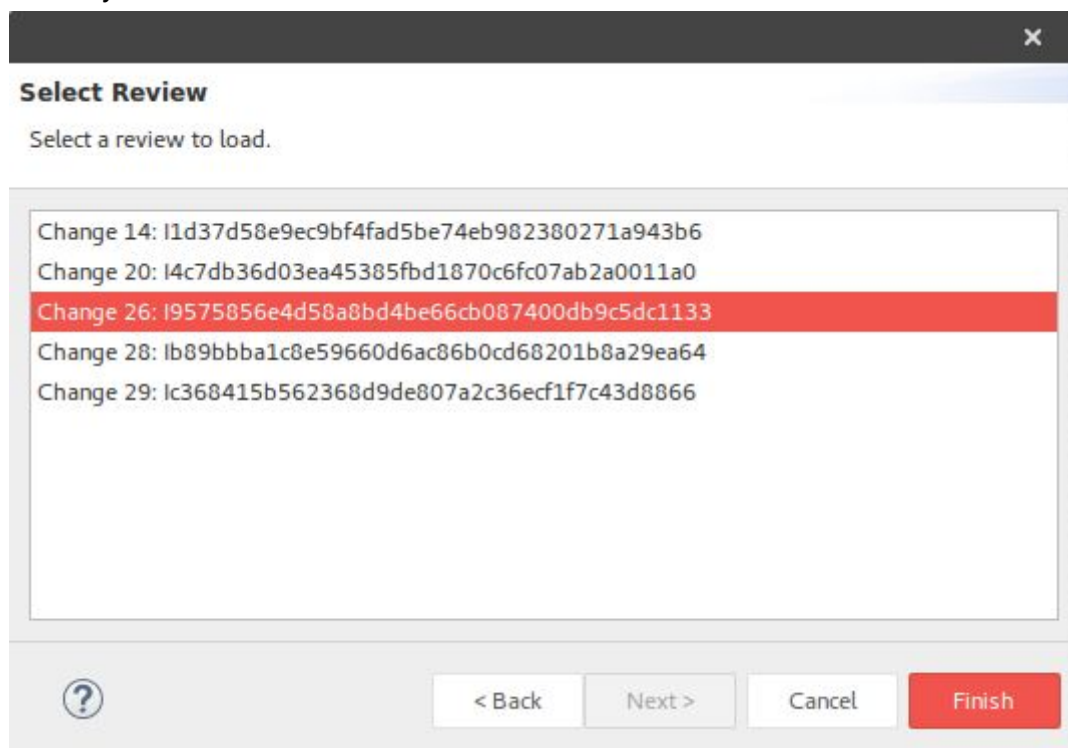
The image shows a 'Reviewer login' dialog box. It has a title bar with a close button (X). Below the title bar, the text 'Reviewer login' is displayed. There are two input fields: 'Username:' with the text 'Reviewer' entered, and 'Password:' which is currently empty. At the bottom of the dialog, there is a help icon (question mark) on the left, and four buttons: '< Back' (disabled), 'Next >' (highlighted in red), 'Cancel' (disabled), and 'Finish' (disabled).

After a click on 'Next' the repository that need to be reviewed must be selected. Please provide here the path to the root of the extracted git repository (this directory must contain a hidden .git directory). Also always select 'Use only local refs' so that mervin used the review

data stored in the repository and does not try to load the reviews from a Gerrit server (The Gerrit server of the evaluation repositories is not available).



Afterwards select the review to load, a click on 'Finish' will load the review. Please note that this may take some time.



Now you are ready to use all views in Mervin. To close the loaded review simply close the unified view.

Loading the Repository using Eclipse (Old Tool Set)

The provided repository contain eclipse projects and the various versions of the changes in special git refs, so each repository can be imported as a normal Eclipse project.

Comparing Versions of Evaluation Repositories with EMF Compare

The base version of each repository is contained in the master branch, each version of a change is contained in a git ref that is named with the following pattern:

`changes/{changeId%100}/{changeId}/{version}`

So for example the version 2 of the change with the internal gerrit id of 27 is stored in the following ref:

`changes/27/27/2`

To compare a model, right click on the model and select 'Compare with > Branch, tag or Reference'. Then expand 'References' and select the ref that matches the version to compare with.