



Importing Files and Change History into McCabe CM - TRUEchange

This document describes the process of moving files and file history from another SCM tool (such as CVS, PVCS, RCS) to TRUEchange.

Overview

Moving a project to a TRUEchange repository involves the following actions:

1. Decide how much history you wish to carry forward when moving files to TRUEchange. Most sites choose to just get all the files from the tip of the mainline and load these into TRUEchange as the baseline for future development work. Some sites choose to get several labeled states and load each set of files into TRUEchange, so that the TRUEchange repository includes a change history from previous development work. In both cases, it is often useful to keep the old source control repositories as a full archived history of the projects.
2. For each labeled state that you wish to capture in the history, extract the files for each of those labeled states from your current SCM tool to a unique directory in the file system. If you have chosen to import only the tip of the mainline, just extract the files from the tip.
3. Load the files you extracted from each of the labeled states into TRUEchange. If you have chosen to import only the tip of the mainline, use Add Files to load all the files into TRUEchange then use Checkpoint to freeze a snapshot of the file history at that point. If you have chosen to import multiple labeled states, use the TRUEchange Update Load function, which loads any new files and also captures the changes for any already-loaded files. For each labeled state you extracted from your current SCM tool, you would select the directory containing the extracted files for that labeled state, then use Update Load to capture the file changes into TRUEchange, then use Checkpoint to freeze a snapshot of the file history at that point.

The following example moves a project named WebDeploy and captures the history of the major labels in the mainline from version 2.2 and forward, where the mainline contains the following major labels:

- 2.2
- 2.2.1
- 2.3

In this example, the file revisions from the 2.2 label will become the new baseline in the TRUEchange repository.

Export File History from Another SCM Tool

From your current SCM tool:

1. Get all the files from the 2.2 label to a unique directory name such as WebDeploy_22
2. Get all the files from the 2.2.1 label to a unique directory name such as WebDeploy_221
3. Get all the files from the 2.3 label to a unique directory name such as WebDeploy_23
4. Get all the files from the tip to a unique directory name such as WebDeploy_mainline_tip

If you wish to convert any branch labels into TRUEchange streams, repeat the process of getting all the files to a unique directory name for each branch label that you wish to import into a TRUEchange stream.

Import Baseline and File History to TRUEchange

From TRUEchange:

1. Create a new TRUEchange project with initial project version: WebDeploy_v2.2.0.latest (where the phase letter "v" indicates a released stream)
2. Create a TRUEchange work environment for project version: WebDeploy_v2.2.0.latest and work directory: WebDeploy_22 (i.e. the directory containing the files extracted from the 2.2 Label)
3. Use Add Files to load all the files from the WebDeploy_22 directory into the TRUEchange WebDeploy_v2.2.0.latest stream
4. Checkpoint WebDeploy_v2.2.0.latest to create WebDeploy_v2.2.0.1
5. Use Create Version to create a new stream named WebDeploy_v2.2.1.latest, and specify the parent version: WebDeploy_v2.2.0.1
6. Edit the TRUEchange work environment to point to the newly created stream: WebDeploy_v2.2.1.latest and the work directory: WebDeploy_221 (i.e. the directory containing the files extracted from the 2.2.1 Label)
7. Use Update Load to load all of the files from the WebDeploy_221 directory into the TRUEchange WebDeploy_v2.2.1.latest stream
8. Checkpoint WebDeploy_v2.2.1.latest to create WebDeploy_v2.2.1.1
9. Use Create Version to create a new stream named WebDeploy_v2.3.0.latest, and specify the parent version: WebDeploy_v2.2.1.1
10. Edit the TRUEchange work environment to point to the newly created stream: WebDeploy_v2.3.0.latest and the work directory: WebDeploy_23 (i.e. the directory containing the files extracted from the 2.3 Label)
11. Use Update Load to load all of the files from the WebDeploy_23 directory into the TRUEchange WebDeploy_v2.3.0.latest stream
12. Checkpoint WebDeploy_v2.3.0.latest to create WebDeploy_v2.3.0.1
13. Edit the TRUEchange work environment to point to the work directory: WebDeploy_mainline_tip (i.e. the directory containing the files extracted from the tip of the mainline). Leave the project version setting as is, it should still point to: WebDeploy_v2.3.0.latest
14. Use Update Load to load all of the files from the WebDeploy_mainline_tip directory into the TRUEchange WebDeploy_v2.3.0.latest stream
15. WebDeploy_v2.3.0.latest is now the active tip of the release 2.x development stream. Use Retire Versions to retire the other 2.x streams because these streams no longer need an active tip: WebDeploy_v2.2.0.latest, WebDeploy_v2.2.1.latest

If you wish to convert any branch labels into TRUEchange streams, repeat the following steps for each branch label that you exported from your current SCM tool:

1. Use Create Branch to create a new TRUEchange branch stream, where the TRUEchange branch name is similar to the other SCM tool's branch label that will be imported to this TRUEchange branch stream, and the parent version is the checkpoint that corresponds to the other SCM tool's label prior to the branch label.
2. Edit the TRUEchange work environment to point to the newly created TRUEchange branch stream and set the work directory to the directory that contains the files extracted from the other SCM tool's branch label.
3. Use Update Load to load all of the files from the appropriate work directory into the TRUEchange branch stream.