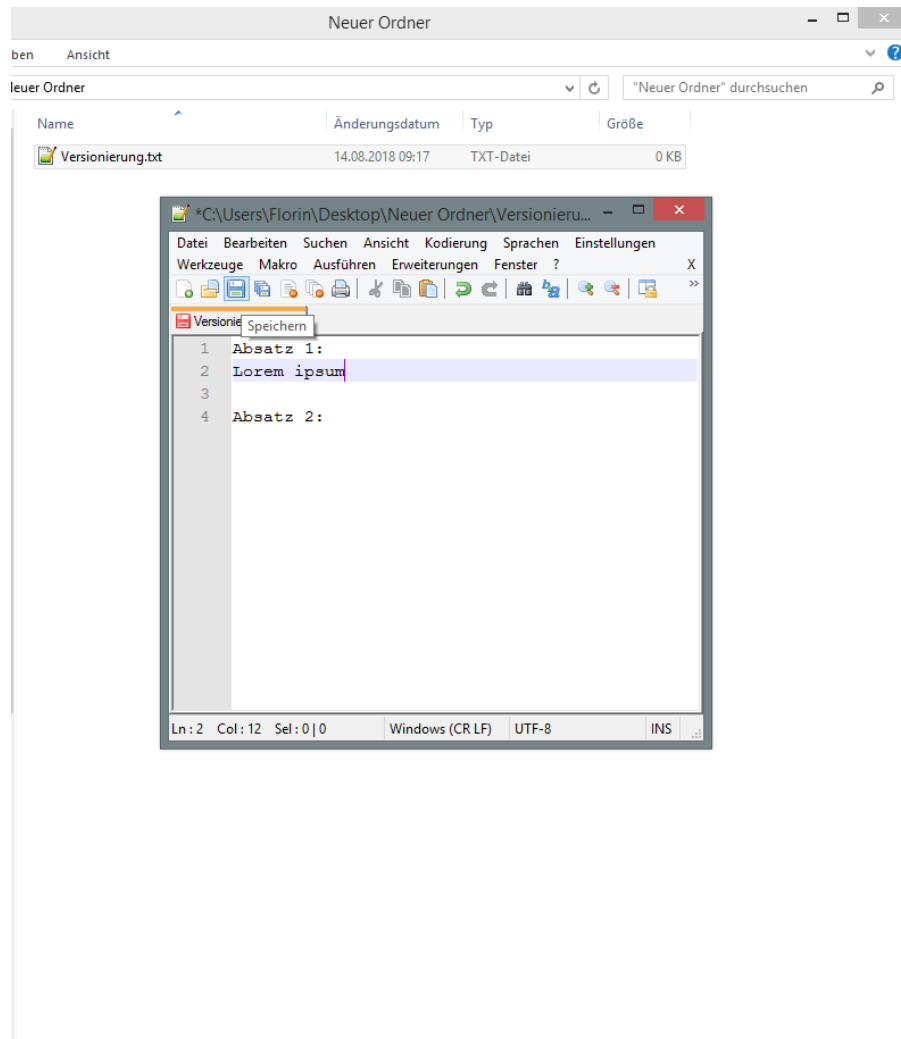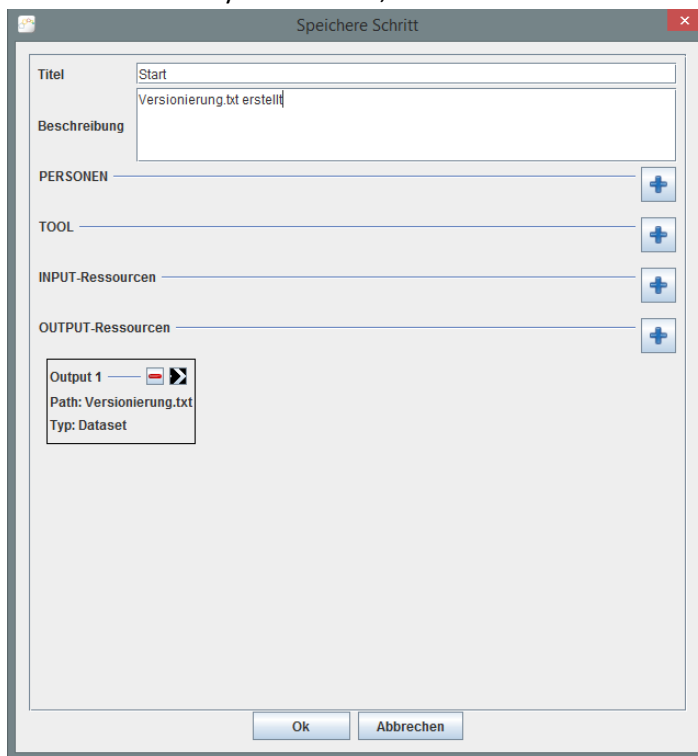# Tutorial 2: Versioning

In this part of the tutorial, you will learn about an important feature of RePlay-DH - versioning. This is the sequential composition of changes to documents in a workspace. This has the advantage of tracking past steps and restoring old directory states. From these, an alternative processing branch (and thus a new version of the directory) can be created.

- In workspace, create a new text document and name this Versioning.txt. Write two separate paragraphs in the document and name them e.g. "Paragraph 1" (Absatz 1) and "Paragraph 2" (Absatz 2). Now add a short text into "Paragraph 1". Important: Save and close the document when you are done.
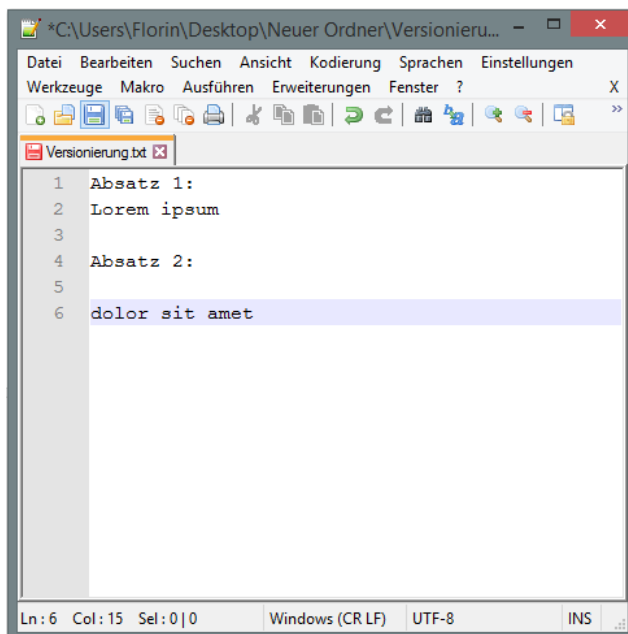
Tutorial 2: Versioning

- Then in the RePlay DH window, select the -icon and save the operation, e.g. with "Start".
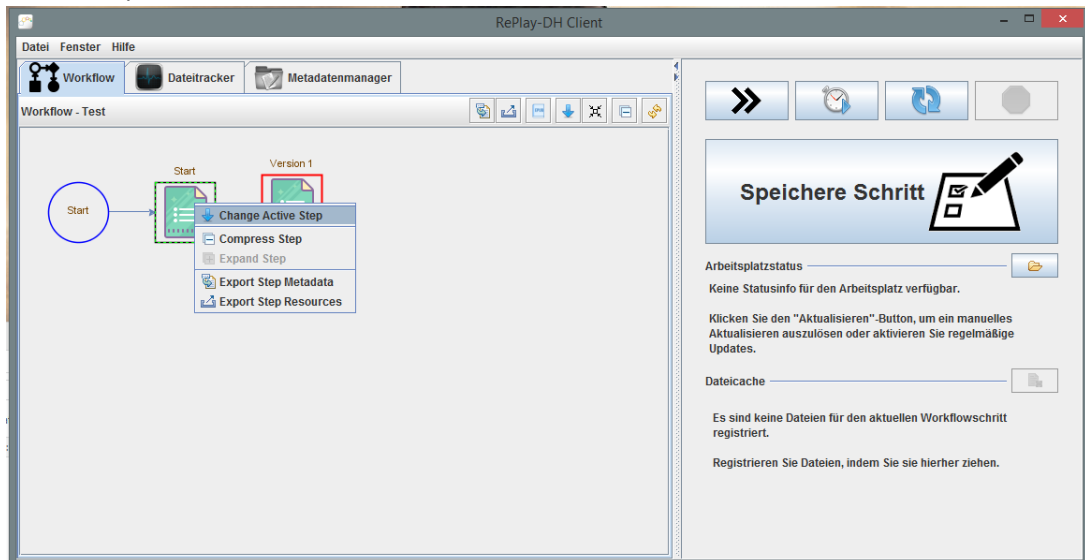

- Now add another short text - this time under "Paragraph 2" - save and close the document and create another step as before. You can call this for example "version 1".
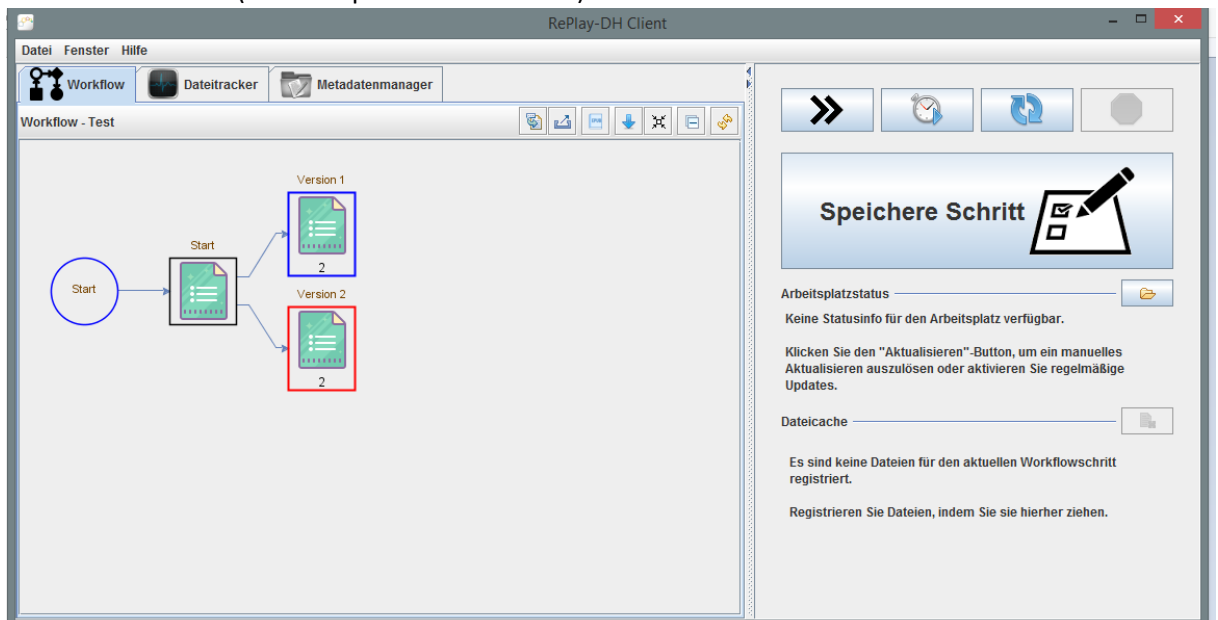
Tutorial 2: Versioning

- Now you can reset your working directory to take advantage of the versioning of RePlay-DH.
  To do this, first select advanced view with the ![«]-icon to get to the workflow graph. All
  previous steps are displayed graphically here. Right-click on the "Start" and select "Change
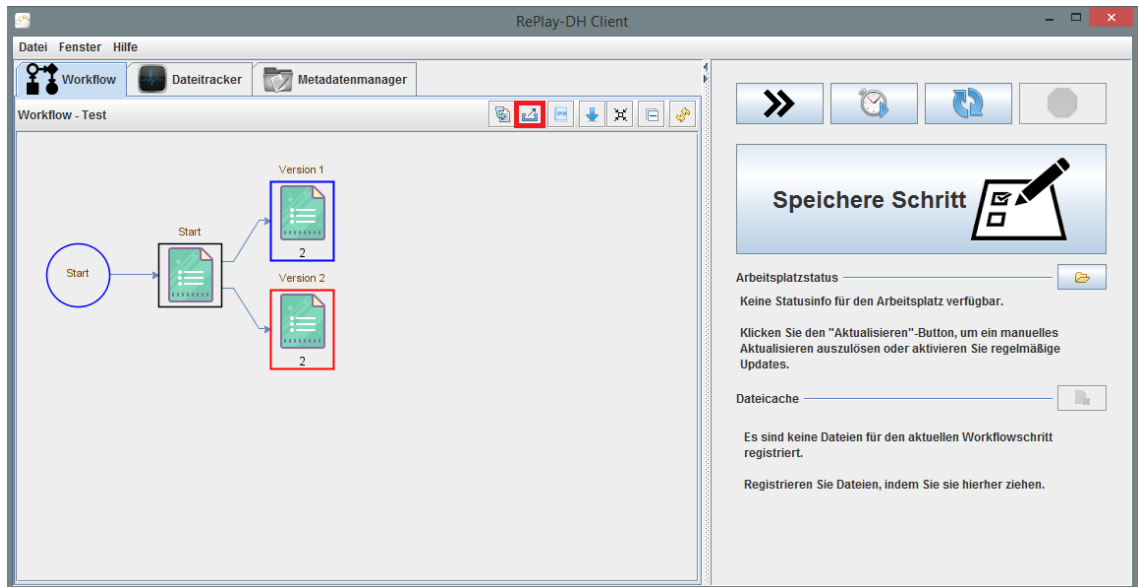 Active Step".

- Now open the text document again As you can see, the previous state is restored. Expand
  paragraph 2 by another sample text. Then proceed as before and save this step with the name
  "Version 2".

- A branch has now been inserted in the workflow graph. So now you can work with two
  versions of the same document and save it independently. Of course, it is also possible to
  create subversions (for example version 2.1 etc.).

Tutorial 2: Versioning

- You have already created and saved a few steps (also known as commits) in the other tutorials. It is important to select exactly the intermediate states "as work steps that should to be saved", which are suitable as backup. It should therefore remain undocumented neither too many changes, yet every single change will be saved as a single step. Would you like to create an image of the files of a specific reset point, select it and go to "Export Step Resources". Then specify a location (outside of their working directory) and a name for the zip file.

- Important: If you find a ".git" folder in your working directory, do not delete it! You can hide it by selecting "Do not show hidden files" in Explorer folder options.