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Working with the trunk only

Check out a working copy of the trunk, make all your modifications, test and debug them until everything works fine, then upload the changes.

1. Create a working copy of the trunk:

   ```
   svn checkout svn://pi.physik.uni-bonn.de/MarlinTPC/trunk MarlinTPC
   ```

   This creates a directory called `MarlinTPC`. All following commands in this example are executed in this directory. If you are in a subdirectory, only this subdirectory is affected.
2. Make all your changes. You can use for instance `svn status` to see which files have been modified, `svn diff` to see what changes you made in the file, `svn log` to read the log messages, or `svn add` and `svn delete` to add and delete files. But do not commit until everything is tested and debugged!
3. If someone else committed something to the trunk you should update your working copy with `svn update`. All changes are merged with your working copy, your local changes are not affected. In case the changes cannot be merged automatically, the file will end up in a conflict state. You have to resolve this conflict manually before you can commit the changes (for example you changed "`int default = 2`" to "`int default = 3`", but the version in the trunk now says "`int default = 4`").
4. After your changes are working and you updated the latest changes and resolved all conflicts, you commit to the repository:

   ```
   svn commit --username <username> -m "Log message of the changes I made"
   ```

   You only need the `--username` option for the first commit you are doing, and only if the `svn` username is different from the one on your local system.

-- PeterWienemann - 25 Apr 2007

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