

Git

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Getting started with Git

Important: We are now fully migrated to a native git server solution. All procedures around using git is therefore slightly different, since there is no longer subversion synchronization process. To clone the new git repository, you can use

```
$ git clone https://github.com/apache/trafficserver.git
```

To work on a branch in git

```
$ git checkout -b 7.1.x origin/7.1.x
```

Committing

Normal git commit methodology applies: You can develop in your local repo, push up etc. We highly recommend that everyone tries to push commits such that the tree is in a buildable state after each commit. Having the tree buildable throughout all commits in the tree helps with running git bisect. For example, if you have a number of commits in a local repo, and are unsure which one of those commits actually build, you should consider squashing (**git rebase -i**) these commits into one or a few commits.

Before pushing upstream, you should also make it a habit to pull or fetch from the upstream remote *before* pushing.

Commit messages should follow the standard formatting described on the [CommitPolicies](#) page.

Cherry-Pick

When some commits in master branch are needed to be back-ported, cherry-pick and send Pull-Request.

1. Make sure the commits are already on master
2. Cherry-Pick with "-x"

```
$ git cherry-pick -x <COMMIT>
```

3. Uncomment the confics in commit message if there
4. Send a Pull-Request
5. Add "Backport" label

Example:

```
commit 90ad8484773095459f81242ec1ed61822da7142b
Author: Leif Hedstrom <zwoop@apache.org>
Date: Fri Dec 9 08:08:31 2016 -0700

    Update the RAT exceptions

    (cherry picked from commit 7487ff750cd214ee956557273c8059b9b3580983)

Conflicts:
    ci/rat-regex.txt
```

More details

More details for using Git and Subversion (particularly here at the ASF), see the following links:

- <https://git-wip-us.apache.org/>

Some older docs available at

- <http://wiki.apache.org/general/GitAtApache>
- <http://git.apache.org/>