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# Useful Tips

# Introduction

This page collects the most useful tips for users from ustc.

# Setup CERN Kerberos On UI

Through Kerberos, you could connect to cern service with passwordless (like svn etc...)

1. copy below config file,or get it from here [?](#):

```
cp /lustre/AtlUser/lcq/Report/FileFromLxplus/krb5.conf ~/.ssh/
```

2. add below information in ~/.ssh/config, change your\_cern\_account !!!

```
Host *.cern.ch
  Protocol 2
  ForwardAgent no
  ForwardX11 yes
  GSSAPIAuthentication yes
  GSSAPIDelegateCredentials yes
  User your_cern_account
```

3. set the environmant variable, change your\_ui\_account !!! everytime you want to use Kerberos in a fresh shell, don't forget this step.

```
export KRB5_CONFIG=/home/your_ui_account/.ssh/krb5.conf
```

4. Have a test with the below commant. If everything goes well, you will get no return 😊 strongly recommend to start a fresh shell to perform this test.

5. kinit your\_cern\_account@CERN.CH

6. AFS+KRB5: <https://frankenthal.dev/post/afs-kerberos-on-macos/>

# Generate the grid proxy

```
voms-proxy-init -voms atlas -hours 99 -vomslife 99:00
```

# SVN repository

<https://svnweb.cern.ch/cern/wsvn/atlasinst/Institutes/USTC/>

# STXS

## Useful twiki link

### HComb group VHbb group workspace

- HiggsProperties
- STXSAcceptances
- Hbb STXS
- workspace combiner

# Give access to any of your directories to specific users (chenc)

```
eos attr set user.acl="u:chenc:rx" /eos/atlas/user/c/changqia/
```



## Download sample on eos:

<https://cern.service-now.com/service-portal/article.do?n=KB0001998>

# Rucio usage

[https://twiki.cern.ch/twiki/bin/viewauth/AtlasComputing/RucioClientsHowTo#Create\\_a\\_dataset\\_from\\_files\\_on\\_m](https://twiki.cern.ch/twiki/bin/viewauth/AtlasComputing/RucioClientsHowTo#Create_a_dataset_from_files_on_m)

# Git

## tutorial

<http://www.liaoxuefeng.com/wiki/0013739516305929606dd18361248578c67b8067c8c017b000>

## cheating sheet

<https://www.git-tower.com/blog/git-cheat-sheet/>

## get the url of repository

```
git config --get remote.origin.url
```

## untrack the file

```
git rm --cached -r .
```

## Avoid being asked passphrase each time I push to Git

```
$ eval $(ssh-agent)
$ ssh-add
```

# Afs access control:

```
#!/bin/bash
#$1 - path
#$2 - userid
find ${1} -type d -exec fs setacl -dir {} -acl ${2} rl \;
```

# Webpage for analysis:

## Apply a personal Website

[https://cernbox.web.cern.ch/cernbox/en/web/personal\\_website\\_content.html#create\\_personal\\_space](https://cernbox.web.cern.ch/cernbox/en/web/personal_website_content.html#create_personal_space)

### SM VHbb analysis

### B-Tagging-Calibration

### SM VHbb analysis fitting N

</eos/user/c/changqia/www/VHbbAnalysis> </eos/user/c/changqia/www/BTaggingCalibration> </afs/cern.ch/user/c/changqia/www/vhbbf>

- [SM VHbb analysis](#)

- [B-Tagging-Calibration](#)

- [vhbbfitting](#)

### SM VHbb analysis fitting

</eos/user/c/changqia/www/VHbbFitting>

- [VHbbFitting](#)

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This topic: [Sandbox](#) > [LcqsUsefulCommands](#)

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