



## How to setup SVN server on ubuntu 14.04

SVN ([Subversion](#)) is an opensource version control system. it is used to store previous changes of your project files like documentation, coding etc. also you can track and identify who made the particular changes in the project files . Here in this article we can see how to setup SVN server on ubuntu 14.04 .

### Setup SVN server on ubuntu 14.04

Let's start the installation .

**Step 1 »** Issue the below command to update the repositories.

```
sudo apt-get update
```

**Step 2 »** After updating repositories , Issue the below command to install SVN and apache webserver (To access SVN through http ) .

```
sudo apt-get install subversion apache2 libapache2-svn apache2-utils
```

**Step 3 »** Now create a directory and create a new repository in that directory ( Here i'm using **testrepo** as repository name ) .

```
sudo mkdir -p /svn/repos/
sudo svnadmin create /svn/repos/testrepo
```

**Step 4 »** Now change ownership for the repository.

```
sudo chown -R www-data:www-data /svn/repos/testrepo
```

**Step 5 »** Create a file **testrepo.conf** in **/etc/apache2/sites-available/** and add the below lines for creating apache virtual host.

```
<Location /svn>
  DAV svn
  SVNParentPath /svn/repos/
  AuthType Basic
  AuthName "Test Repo"
  AuthUserFile /etc/svnpasswd
  Require valid-user
</Location>
```

**SVNParentPath /svn/repos/ :** Parent Directory without repository name.

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**AuthUserFile /etc/svnpasswd** : File need to be created ( Step 8) for user details.

**Step 6 »** Issue the below command to enable the Site ( **testrepo** in the below command should match the file name created in the previous step )

```
sudo a2ensite testrepo
```

**Step 7 »** Now restart or reload apache service.

```
sudo service apache2 reload
```

**Step 8 »** Issue the command to create user for accessing repository and add the user details to **/etc/svnpasswd** file.

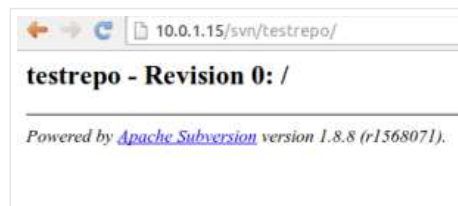
Use this command to create first user.

```
sudo htpasswd -cm /etc/svnpasswd user1
```

Use the same command without c option to create additional users.

```
sudo htpasswd -m /etc/svnpasswd user2
```

**Step 9 »** Now you can access <http://yourip/svn/testrepo> in your browser ( Eg <http://10.0.1.15/svn/testrepo> ) and you can see the page like below after successful authentication.



That't it , your server is ready.

You could use svn clients such as [Tortoisesvn](#) on windows and [Rapidsvn](#) on ubuntu for committing and updating repository.

good luck



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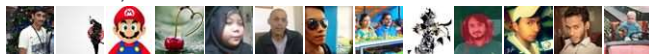


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**mAYUR** · a month ago

Great Article (y)

 |  · Reply · Share ›**william richard Cordero** · 2 months ago

Great article! Just wanted to ask: I have followed this exactly and seems to have everything configured correctly except for I get the following error below when trying to access via browser, I can login, but it say the message below:

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<d:error><c:error/><m:human-readable errcode="2">
Could not open the requested SVN filesystem
</m:human-readable></d:error>
```

Any help given would be greatly appreciated...might be simple fix..but will be much appreciated!

 |  · Reply · Share ›**Duke Of Haren** · 2 months ago

Thanks! Loved your tutorial

 |  · Reply · Share ›**Gopakumar N G** · 5 months ago

I have created the svn server as described above, but I want to know how can I add this repository ineclipse for my projects.

 |  · Reply · Share ›**Hamid Pourgholi** · a year ago

Hello,

it looks like that its quite important that the repository's parent folder (/svn/ in this case) is located on the top of the linux filesystem hirarchy ( / ).

After installing the server following the instructions in this article, I had a problem with the permissions of the parent folders of the "repos" folder and the problem was that if the svn folder is not on top of the filesystem (/svn/) then all of its parent folders would also have to be owned by www-data.

Maybe this helps if someone finds the same solution in google like me for that error and then is not sure if its right or right.

For me t worked.

I created the svn folder in /svn/ in my linux machine and it worked.

 |  · Reply · Share ›**Jean Hsu** · a year ago



\* sudo a2ensite testrepo.conf  
(the .conf) might be important :)  
\*sudo service apache2 restart might be needed instead of reload...

Thanks for the article!

P.S. delete the article below ... virtualhost was not needed..

^ | v • Reply • Share ›



**Guest** → Jean Hsu • a year ago

just adding some details: I had problem with the virtual host so I added

```
<virtualhost *:80=""> ... your virtual host configuration ... </virtualhost>
```

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**alabastida** • a year ago

Loved this way of creating an svn server, handled by apache instead of standalone, pretty interesting, i liked this way, thanks

^ | v • Reply • Share ›



**obaid** • a year ago

Hi

created testrepo.conf in /etc/apache2/sites-available/  
now i dun wan it any more and as i deleted testrepo.conf  
and restart apache it gives error at

apache2: Syntax error on line 219 of /etc/apache2/apache2.conf: Could not open  
configuration file /etc/apache2/sites-enabled/testrepo.conf: No such file or directory

so just to restart apache created empty testrepo.conf

but looking for proper solution if dun needs testrepo and testrepo.conf any more so wat to do

^ | v • Reply • Share ›



**Devanshi** • a year ago

what does this error mean?

sudo service apache2 reload

\* Reloading web server apache2 \*

\* The apache2 configtest failed. Not doing anything.

Output of config test was:

AH00526: Syntax error on line 34 of /etc/apache2/sites-enabled/anusha.conf:

ServerAlias only used in <virtualhost>

Action 'configtest' failed.

The Apache error log may have more information.

^ | v • Reply • Share ›



**George** → Devanshi • a year ago

Hi Devanshi

Can you paste anusha.conf content here ?

ServerAlias should be inside <virtualhost> like below.

```
<virtualhost *:80="">
```

```
ServerName www.google.com
```

```
ServerAlias google.com
```

```
</virtualhost>
```

^ | v • Reply • Share ›



**narayana rao** → George • 5 days ago



hii bigginar in ubuntu and svn ..i have to done create repository but how to insert project in svn please help me....

^ | v • Reply • Share ›

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**Z1K Rider** — Be warned, if you do this, you will lose the ability to access your server via regular SSH for CLI access!

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