#### **Step #1: Install vsftpd**

SSH to your EC2 server. Type:

$yum install vsftpd

#### **Step #2: Open up the FTP ports on your EC2 instance**

Next, you'll need to open up the FTP ports on your EC2 server. Log in to the AWS EC2 Management Console and select Security Groups from the navigation tree on the left. Select the security group assigned to your EC2 instance. Select the Inbound tab and add port range 20-21

Also add port range 1024-1048

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Protocol** | **Port Range** | **Source** |
| SSH | TCP | 22 | ip/32 |
| HTTP | TCP | 80 | 0.0.0.0/0 |
| Custom TCP Rule | TCP | 20 - 21 | 0.0.0.0/0 |
| Custom TCP Rule | TCP | 1024 - 1048 | 0.0.0.0/0 |

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#### **Step #3: Make updates to the vsftpd.conf file**

Edit your vsftpd conf file by typing:

$vi /etc/vsftpd/vsftpd.conf

Disable anonymous FTP by changing this line:

anonymous\_enable=YES

to

anonymous\_enable=NO

Then add the following lines to the bottom of the vsftpd.conf file:

pasv\_enable=YES  
pasv\_min\_port=1024  
pasv\_max\_port=1048  
pasv\_address=<Public IP of your instance>

Your vsftpd.conf file should look something like the following - except make sure to replace the pasv\_address with your public facing IP address:

pam\_service\_name=vsftpd  
userlist\_enable=YES  
tcp\_wrappers=YES  
  
# Additional configuration  
pasv\_enable=YES  
pasv\_min\_port=1024  
pasv\_max\_port=1048  
pasv\_address=xx-xxx-xxx-xx

#### **Step #4: Restart vsftpd**

Restart vsftpd by typing:

$/etc/init.d/vsftpd restart

#### **Step #5: Create an FTP user**

Creating a new user on an EC2 instance is pretty simple. For example, to create the user test-ftp, type:

$adduser -s /sbin/nologin test-ftp  
$passwd test-ftp

Changing home directory of the user and adding it to the apache group:

$usermod -d /var/www/html test-ftp

$usermod -a -G apache test-ftp

Give appropriate permission on the respective home directory:

$chown -R :apache /var/www/html

$chmod -R 775 /var/www/html

#### **Step #6: Restricting users to their home directories**

At this point, your FTP users are not restricted to their home directories. That's not very secure, but we can fix it pretty easily.

Edit your vsftpd conf file again by typing:

$vi /etc/vsftpd/vsftpd.conf

Un-comment out the line:

chroot\_local\_user=YES

Restart the vsftpd server again like so:

$/etc/init.d/vsftpd restart

$chkconfig vsftpd on