

# Installing LAMP Stack on an EC2 Instance

<https://youtu.be/Fgv-XtFsl8M>

1. Setting Up EC2 >> Sign into AWS >> Open EC2
2. Click Instances on Left Side >> Click "Launch Instance"
3. Select "Amazon Linux AMI 2016.09.1 (HVM), SSD Volume Type"
4. Select Free Tier >> Click review and launch >> Press Launch
5. Create Pair >> Download Pair
6. Launch Instance >> Open list of Instances
7. Swap in your file name: `chmod 400 ServerPair.pem`
8. Swap in your file name and ip address: `ssh -i "ServerPair.pem" ec2-user@ec2-54-152-134-146.compute-1.amazonaws.com`
9. Update your instance `sudo yum update -y`
10. Install Apache Web Server, MySQL, PHP  
`sudo yum install -y httpd24 php70 mysql56-server php70-mysqlnd`
11. Start the Apache Web Server `sudo service httpd start`
12. Make it so Apache Web Server runs on server boot: `sudo chkconfig httpd on`

13. Verify it with: `chkconfig --list httpd` and  
`httpd 0:off 1:off 2:on 3:on 4:on 5:on 6:off`

14. Go to your Public DNS or IPv4 Public IP:  
Example: `ec2-54-152-134-146.compute-1.amazonaws.com`

15. Create a new user group `sudo groupadd www`

16. Add our EC2 User to this group `sudo usermod -a -G www ec2-user`

17. Leave the current session `exit`

18. Sign back in. Swap in your file name and ip address: `ssh -i "ServerPair.pem" ec2-`

`user@ec2-54-152-134-146.compute-1.amazonaws.com`

19. Verify `www` exists by running: `groups`

20. Give `www` permission on server files  
`/var/www` with `sudo chown -R root:www /var/www`

21. Change file permissions: `sudo chmod 2775 /var/www` and find `/var/www -type d -exec sudo chmod 2775 {} \;`

22. Add a index.html in var/www/html so  
touch /var/www/html/index.html and vi  
/var/www/html/index.html then add  
content.

23. Go back to Instances (like the list)

24. Right click on your new instance, select  
Networking, then Change Security Group

25. Take note of which one is selected

26. Open Security Groups on the left side:  
<https://console.aws.amazon.com/ec2/>

27. Edit the Inbound rules for that security  
group already assigned.

28. Add Rule and set the type to be HTTP

29. Files sit in ls -l /var/www

30. Go to your IPv4 and you should see Hello  
World!

