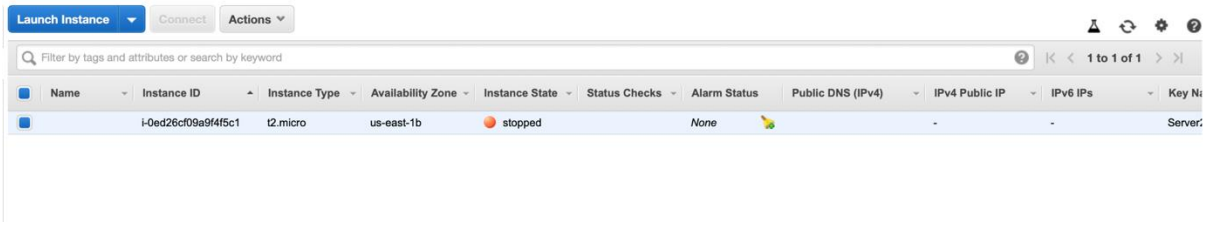
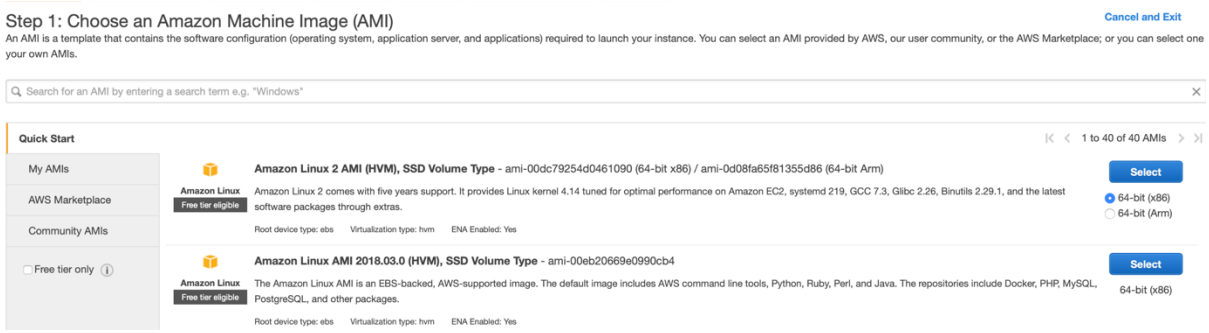
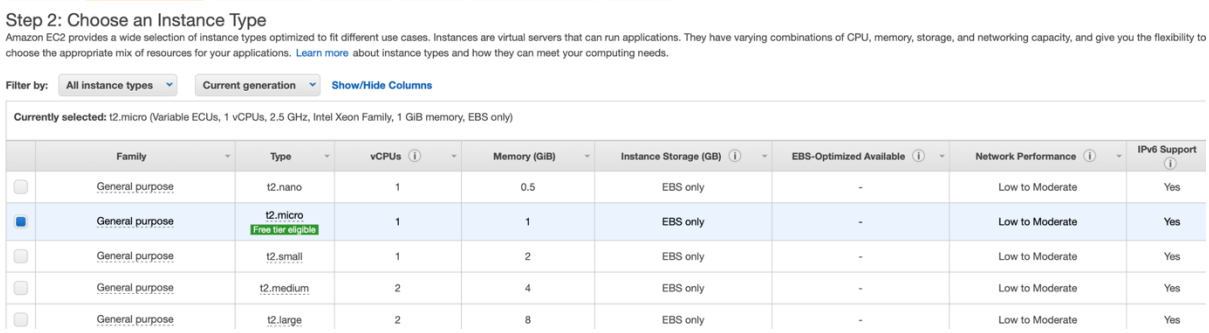
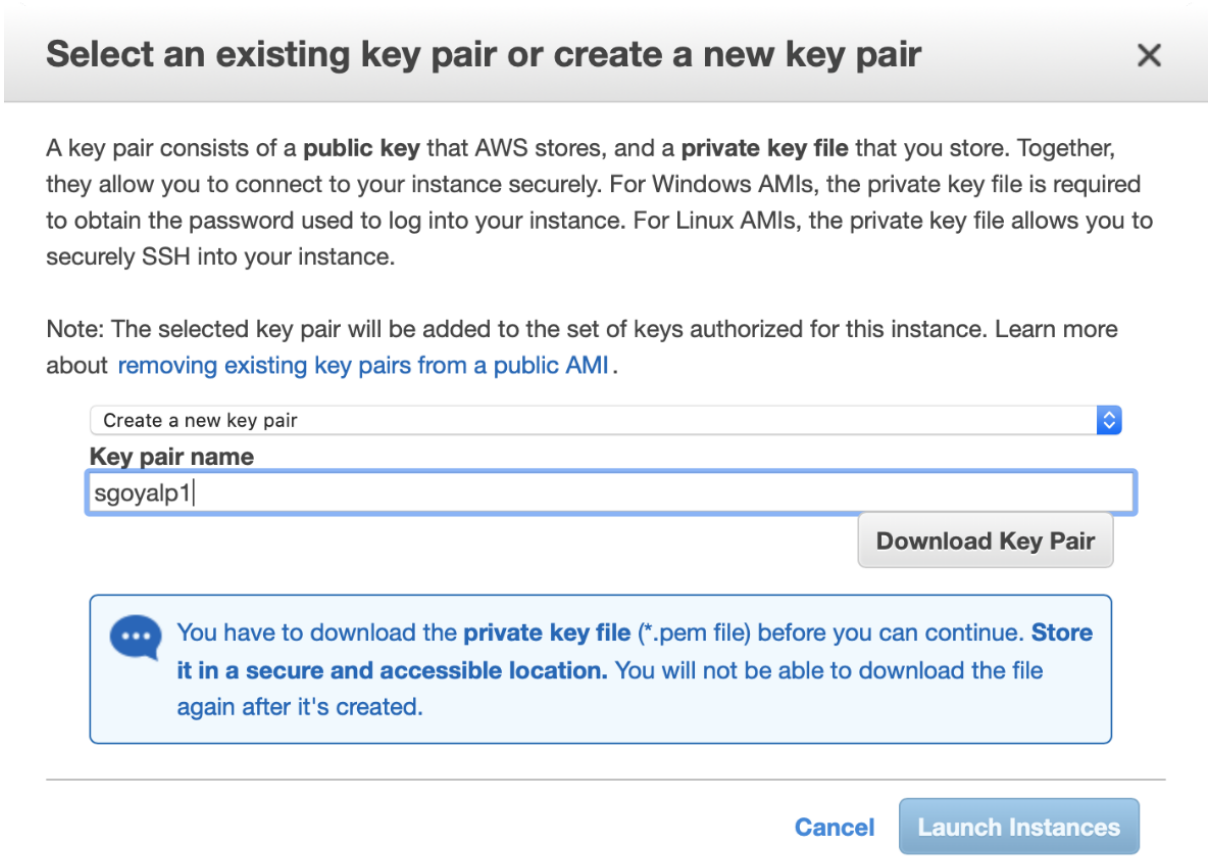
EXPERIMENT-11: Create and manage a LAMP stack using Amazon EC2 Instance

Screenshots:








Select an existing key pair or create a new key pair
A key pair consists of a public key that AWS stores, and a private key file that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.
Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about removing existing key pairs from a public AMI.
Create a new key pair
Key pair name
sgoyalp1
Download Key Pair
You have to download the private key file (*.pem file) before you can continue. Store it in a secure and accessible location. You will not be able to download the file again after it's created.
Cancel
Launch Instances

```
Last login: Tue Nov 19 18:54:02 on ttys000
You have new mail.

The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.
Sarthaks-MacBook-Pro:~ sarthakgoyal$ cd Downloads
Sarthaks-MacBook-Pro:Downloads sarthakgoyal$ chmod 400 sgoyalp1.pem
Sarthaks-MacBook-Pro:Downloads sarthakgoyal$ ssh -i "sgoyalp1.pem" ec2-user@ec2-184-72-87-162.compute-1.amazonaws.com
The authenticity of host 'ec2-184-72-87-162.compute-1.amazonaws.com (184.72.87.162)' can't be established.
ECDSA key fingerprint is SHA256:4GNoj69QOWcZvoYO6PfA7rtJEWttSaq617qcpRAB2io.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'ec2-184-72-87-162.compute-1.amazonaws.com,184.72.87.162' (ECDSA) to the list of known hosts.

       __|  __|_  )
       _|  (     /   Amazon Linux AMI
      ___|\___|___|

https://aws.amazon.com/amazon-linux-ami/2018.03-release-notes/
11 package(s) needed for security, out of 19 available
Run "sudo yum update" to apply all updates.
-bash: warning: setlocale: LC_CTYPE: cannot change locale (UTF-8): No such file or directory
[ec2-user@ip-172-31-17-246 ~]$ sudo yum update -y
Failed to set locale, defaulting to C
Loaded plugins: priorities, update-motd, upgrade-helper
Resolving Dependencies
--> Running transaction check
---> Package curl.x86_64 0:7.61.1-11.91.amzn1 will be updated
---> Package curl.x86_64 0:7.61.1-12.93.amzn1 will be an update
---> Package ec2-net-utils.noarch 0:0.5-2.35.amzn1 will be updated
---> Package ec2-net-utils.noarch 0:0.5-3.36.amzn1 will be an update
---> Package ec2-utils.noarch 0:0.5-2.35.amzn1 will be updated
---> Package ec2-utils.noarch 0:0.5-3.36.amzn1 will be an update
---> Package kernel.x86_64 0:4.14.152-98.182.amzn1 will be installed
---> Package libblkid.x86_64 0:2.23.2-33.28.amzn1 will be updated
---> Package libblkid.x86_64 0:2.23.2-59.29.amzn1 will be an update
---> Package libcurl.x86_64 0:7.61.1-11.91.amzn1 will be updated
---> Package libcurl.x86_64 0:7.61.1-12.93.amzn1 will be an update
---> Package libjpeg-turbo.x86_64 0:1.2.90-5.14.amzn1 will be updated
---> Package libjpeg-turbo.x86_64 0:1.2.90-8.16.amzn1 will be an update
---> Package libmount.x86_64 0:2.23.2-33.28.amzn1 will be updated
---> Package libmount.x86_64 0:2.23.2-59.29.amzn1 will be an update
---> Package libuuid.x86_64 0:2.23.2-33.28.amzn1 will be updated
---> Package libuuid.x86_64 0:2.23.2-59.29.amzn1 will be an update
---> Package microcode_ctl.x86_64 2:2.1-47.35.amzn1 will be updated
---> Package microcode_ctl.x86_64 2:2.1-47.36.amzn1 will be an update
---> Package openssh.x86_64 0:7.4p1-16.71.amzn1 will be updated
---> Package openssh.x86_64 0:7.4p1-21.73.amzn1 will be an update
---> Package openssh-clients.x86_64 0:7.4p1-16.71.amzn1 will be updated
---> Package openssh-clients.x86_64 0:7.4p1-21.73.amzn1 will be an update
---> Package openssh-server.x86_64 0:7.4p1-16.71.amzn1 will be updated
---> Package openssh-server.x86_64 0:7.4p1-21.73.amzn1 will be an update
---> Package python27.x86_64 0:2.7.16-1.129.amzn1 will be updated
---> Package python27.x86_64 0:2.7.16-1.130.amzn1 will be an update
---> Package python27-devel.x86_64 0:2.7.16-1.129.amzn1 will be updated
---> Package python27-devel.x86_64 0:2.7.16-1.130.amzn1 will be an update
---> Package python27-libs.x86_64 0:2.7.16-1.129.amzn1 will be updated
---> Package python27-libs.x86_64 0:2.7.16-1.130.amzn1 will be an update
---> Package tzdata.noarch 0:2019a-1.71.amzn1 will be updated
---> Package tzdata.noarch 0:2019c-1.73.amzn1 will be an update
---> Package tzdata-java.noarch 0:2019a-1.71.amzn1 will be updated
```

```
Dependencies Resolved

================================================================================
 Package           Arch     Version                     Repository      Size
================================================================================
Installing:
 kernel            x86_64   4.14.152-98.182.amzn1       amzn-updates    22 M
Updating:
 curl              x86_64   7.61.1-12.93.amzn1          amzn-updates   363 k
 ec2-net-utils     noarch   0.5-3.36.amzn1              amzn-updates    14 k
 ec2-utils         noarch   0.5-3.36.amzn1              amzn-updates    12 k
 libblkid          x86_64   2.23.2-59.29.amzn1          amzn-updates   187 k
 libcurl           x86_64   7.61.1-12.93.amzn1          amzn-updates   307 k
 libjpeg-turbo     x86_64   1.2.90-8.16.amzn1           amzn-updates   144 k
 libmount          x86_64   2.23.2-59.29.amzn1          amzn-updates   192 k
 libuuid           x86_64   2.23.2-59.29.amzn1          amzn-updates    84 k
 microcode_ctl     x86_64   2:2.1-47.36.amzn1           amzn-updates   160 k
 openssh           x86_64   7.4p1-21.73.amzn1           amzn-updates   640 k
 openssh-clients   x86_64   7.4p1-21.73.amzn1           amzn-updates   1.1 M
 openssh-server    x86_64   7.4p1-21.73.amzn1           amzn-updates   512 k
 python27          x86_64   2.7.16-1.130.amzn1          amzn-updates   103 k
 python27-devel    x86_64   2.7.16-1.130.amzn1          amzn-updates   525 k
 python27-libs     x86_64   2.7.16-1.130.amzn1          amzn-updates   6.8 M
 tzdata            noarch   2019c-1.73.amzn1            amzn-updates   835 k
 tzdata-java       noarch   2019c-1.73.amzn1            amzn-updates   230 k
 util-linux        x86_64   2.23.2-59.29.amzn1          amzn-updates   3.1 M
Installing for dependencies:
 libsmartcols      x86_64   2.23.2-59.29.amzn1          amzn-updates   146 k

Transaction Summary
================================================================================
Install   1 Package  (+1 Dependent package)
Upgrade  18 Packages

Total download size: 38 M
Downloading packages:
(1/20): ec2-utils-0.5-3.36.amzn1.noarch.rpm             |  12 kB   00:00
(2/20): ec2-net-utils-0.5-3.36.amzn1.noarch.rpm         |  14 kB   00:00
(3/20): curl-7.61.1-12.93.amzn1.x86_64.rpm              | 363 kB   00:00
(4/20): libblkid-2.23.2-59.29.amzn1.x86_64.rpm          | 187 kB   00:00
(5/20): libjpeg-turbo-1.2.90-8.16.amzn1.x86_64.rpm      | 144 kB   00:00
(6/20): libmount-2.23.2-59.29.amzn1.x86_64.rpm          | 192 kB   00:00
(7/20): libcurl-7.61.1-12.93.amzn1.x86_64.rpm           | 307 kB   00:00
(8/20): libsmartcols-2.23.2-59.29.amzn1.x86_64.rpm      | 146 kB   00:00
(9/20): libuuid-2.23.2-59.29.amzn1.x86_64.rpm           |  84 kB   00:00
(10/20): microcode_ctl-2.1-47.36.amzn1.x86_64.rpm       | 160 kB   00:00
(11/20): openssh-7.4p1-21.73.amzn1.x86_64.rpm           | 640 kB   00:00
(12/20): openssh-server-7.4p1-21.73.amzn1.x86_64.rpm    | 512 kB   00:00
(13/20): openssh-clients-7.4p1-21.73.amzn1.x86_64.rpm   | 1.1 MB   00:00
(14/20): python27-2.7.16-1.130.amzn1.x86_64.rpm         | 103 kB   00:00
(15/20): python27-devel-2.7.16-1.130.amzn1.x86_64.rpm   | 525 kB   00:00
(16/20): kernel-4.14.152-98.182.amzn1.x86_64.rpm        |  22 MB   00:01
(17/20): tzdata-java-2019c-1.73.amzn1.noarch.rpm        | 230 kB   00:00
(18/20): tzdata-2019c-1.73.amzn1.noarch.rpm             | 835 kB   00:00
(19/20): python27-libs-2.7.16-1.130.amzn1.x86_64.rpm    | 6.8 MB   00:00
(20/20): util-linux-2.23.2-59.29.amzn1.x86_64.rpm       | 3.1 MB   00:00
--------------------------------------------------------------------------------
Total                                       18 MB/s |  38 MB  00:02
Running transaction check
Running transaction test
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Transaction test succeeded
Running transaction
  Updating   : libuuid-2.23.2-59.29.amzn1.x86_64                          1/38
  Updating   : libblkid-2.23.2-59.29.amzn1.x86_64                         2/38
  Updating   : python27-2.7.16-1.130.amzn1.x86_64                         3/38
  Updating   : python27-libs-2.7.16-1.130.amzn1.x86_64                    4/38
  Updating   : libmount-2.23.2-59.29.amzn1.x86_64                         5/38
  Updating   : 2:microcode_ctl-2.1-47.36.amzn1.x86_64                     6/38
  Updating   : libcurl-7.61.1-12.93.amzn1.x86_64                          7/38
  Updating   : curl-7.61.1-12.93.amzn1.x86_64                             8/38
  Installing : libsmartcols-2.23.2-59.29.amzn1.x86_64                     9/38
  Updating   : util-linux-2.23.2-59.29.amzn1.x86_64                      10/38
  Updating   : openssh-7.4p1-21.73.amzn1.x86_64                          11/38
  Updating   : openssh-server-7.4p1-21.73.amzn1.x86_64                   12/38
  Updating   : openssh-clients-7.4p1-21.73.amzn1.x86_64                  13/38
  Updating   : ec2-utils-0.5-3.36.amzn1.noarch                           14/38
  Updating   : ec2-net-utils-0.5-3.36.amzn1.noarch                       15/38
  Installing : kernel-4.14.152-98.182.amzn1.x86_64                       16/38
  Updating   : python27-devel-2.7.16-1.130.amzn1.x86_64                  17/38
  Updating   : libjpeg-turbo-1.2.90-8.16.amzn1.x86_64                    18/38
  Updating   : tzdata-2019c-1.73.amzn1.noarch                            19/38
  Updating   : tzdata-java-2019c-1.73.amzn1.noarch                       20/38
  Cleanup    : python27-devel-2.7.16-1.129.amzn1.x86_64                  21/38
  Cleanup    : ec2-net-utils-0.5-2.35.amzn1.noarch                       22/38
  Cleanup    : ec2-utils-0.5-2.35.amzn1.noarch                           23/38
  Cleanup    : curl-7.61.1-11.91.amzn1.x86_64                            24/38
  Cleanup    : python27-2.7.16-1.129.amzn1.x86_64                        25/38
  Cleanup    : python27-libs-2.7.16-1.129.amzn1.x86_64                   26/38
  Cleanup    : openssh-clients-7.4p1-16.71.amzn1.x86_64                  27/38
  Cleanup    : openssh-server-7.4p1-16.71.amzn1.x86_64                   28/38
  Cleanup    : tzdata-2019a-1.71.amzn1.noarch                            29/38
  Cleanup    : tzdata-java-2019a-1.71.amzn1.noarch                       30/38
  Cleanup    : openssh-7.4p1-16.71.amzn1.x86_64                          31/38
  Cleanup    : util-linux-2.23.2-33.28.amzn1.x86_64                      32/38
  Cleanup    : libmount-2.23.2-33.28.amzn1.x86_64                        33/38
  Cleanup    : libblkid-2.23.2-33.28.amzn1.x86_64                        34/38
  Cleanup    : libuuid-2.23.2-33.28.amzn1.x86_64                         35/38
  Cleanup    : libcurl-7.61.1-11.91.amzn1.x86_64                         36/38
  Cleanup    : libjpeg-turbo-1.2.90-5.14.amzn1.x86_64                    37/38
  Cleanup    : 2:microcode_ctl-2.1-47.35.amzn1.x86_64                    38/38
intel: model '', path ' intel-ucode/*', kvers ''
intel: blacklist ''
intel-06-4f-01: model 'GenuineIntel 06-4f-01', path ' intel-ucode/06-4f-01', kvers ' 4.14.42'
intel-06-4f-01: blacklist ''
intel: model '', path ' intel-ucode/*', kvers ''
intel: blacklist ''
intel-06-4f-01: model 'GenuineIntel 06-4f-01', path ' intel-ucode/06-4f-01', kvers ' 4.14.42'
intel-06-4f-01: blacklist ''
  Verifying  : kernel-4.14.152-98.182.amzn1.x86_64                        1/38
  Verifying  : python27-libs-2.7.16-1.130.amzn1.x86_64                    2/38
  Verifying  : libblkid-2.23.2-59.29.amzn1.x86_64                         3/38
  Verifying  : libuuid-2.23.2-59.29.amzn1.x86_64                          4/38
  Verifying  : openssh-server-7.4p1-21.73.amzn1.x86_64                    5/38
  Verifying  : ec2-utils-0.5-3.36.amzn1.noarch                            6/38
  Verifying  : python27-2.7.16-1.130.amzn1.x86_64                         7/38
  Verifying  : libsmartcols-2.23.2-59.29.amzn1.x86_64                     8/38
  Verifying  : libcurl-7.61.1-12.93.amzn1.x86_64                          9/38
  Verifying  : tzdata-java-2019c-1.73.amzn1.noarch                       10/38
  Verifying  : python27-devel-2.7.16-1.130.amzn1.x86_64                  11/38
  Verifying  : tzdata-2019c-1.73.amzn1.noarch                            12/38
  Verifying  : util-linux-2.23.2-59.29.amzn1.x86_64                      13/38
```

```
Installed:
  kernel.x86_64 0:4.14.152-98.182.amzn1

Dependency Installed:
  libsmartcols.x86_64 0:2.23.2-59.29.amzn1

Updated:
  curl.x86_64 0:7.61.1-12.93.amzn1
  ec2-net-utils.noarch 0:0.5-3.36.amzn1
  ec2-utils.noarch 0:0.5-3.36.amzn1
  libblkid.x86_64 0:2.23.2-59.29.amzn1
  libcurl.x86_64 0:7.61.1-12.93.amzn1
  libjpeg-turbo.x86_64 0:1.2.90-8.16.amzn1
  libmount.x86_64 0:2.23.2-59.29.amzn1
  libuuid.x86_64 0:2.23.2-59.29.amzn1
  microcode_ctl.x86_64 2:2.1-47.36.amzn1
  openssh.x86_64 0:7.4p1-21.73.amzn1
  openssh-clients.x86_64 0:7.4p1-21.73.amzn1
  openssh-server.x86_64 0:7.4p1-21.73.amzn1
  python27.x86_64 0:2.7.16-1.130.amzn1
  python27-devel.x86_64 0:2.7.16-1.130.amzn1
  python27-libs.x86_64 0:2.7.16-1.130.amzn1
  tzdata.noarch 0:2019c-1.73.amzn1
  tzdata-java.noarch 0:2019c-1.73.amzn1
  util-linux.x86_64 0:2.23.2-59.29.amzn1

Complete!
[ec2-user@ip-172-31-17-246 ~]$ sudo yum install -y httpd24 php70 mysql56-server php70-mysqlnd
Failed to set locale, defaulting to C
Loaded plugins: priorities, update-motd, upgrade-helper
Resolving Dependencies
--> Running transaction check
---> Package httpd24.x86_64 0:2.4.41-1.88.amzn1 will be installed
--> Processing Dependency: httpd24-tools = 2.4.41-1.88.amzn1 for package: httpd24-2.4.41-1.88.amzn1.x86_64
--> Processing Dependency: apr-util > 1.5.1 for package: httpd24-2.4.41-1.88.amzn1.x86_64
--> Processing Dependency: apr > 1.5.1 for package: httpd24-2.4.41-1.88.amzn1.x86_64
--> Processing Dependency: libaprutil-1.so.0()(64bit) for package: httpd24-2.4.41-1.88.amzn1.x86_64
--> Processing Dependency: libapr-1.so.0()(64bit) for package: httpd24-2.4.41-1.88.amzn1.x86_64
---> Package mysql56-server.x86_64 0:5.6.45-1.34.amzn1 will be installed
--> Processing Dependency: mysql56-errmsg(x86-64) = 5.6.45-1.34.amzn1 for package: mysql56-server-5.6.45-1.34.amzn1.x86_64
--> Processing Dependency: mysql56-common(x86-64) = 5.6.45-1.34.amzn1 for package: mysql56-server-5.6.45-1.34.amzn1.x86_64
--> Processing Dependency: perl-DBD-MySQL(mysql56) for package: mysql56-server-5.6.45-1.34.amzn1.x86_64
--> Processing Dependency: perl(Data::Dumper) for package: mysql56-server-5.6.45-1.34.amzn1.x86_64
--> Processing Dependency: perl(DBI) for package: mysql56-server-5.6.45-1.34.amzn1.x86_64
--> Processing Dependency: perl(DBI) for package: mysql56-server-5.6.45-1.34.amzn1.x86_64
--> Processing Dependency: mysql56(x86-64) for package: mysql56-server-5.6.45-1.34.amzn1.x86_64
--> Processing Dependency: mysql56(alternatives) for package: mysql56-server-5.6.45-1.34.amzn1.x86_64
--> Processing Dependency: mysql56(alternatives) for package: mysql56-server-5.6.45-1.34.amzn1.x86_64
--> Processing Dependency: mysql-config for package: mysql56-server-5.6.45-1.34.amzn1.x86_64
---> Package php70.x86_64 0:7.0.33-1.32.amzn1 will be installed
--> Processing Dependency: php70-cli(x86-64) = 7.0.33-1.32.amzn1 for package: php70-7.0.33-1.32.amzn1.x86_64
--> Processing Dependency: php70-common(x86-64) = 7.0.33-1.32.amzn1 for package: php70-7.0.33-1.32.amzn1.x86_64
--> Processing Dependency: php70-common for package: php70-7.0.33-1.32.amzn1.x86_64
---> Package php70-mysqlnd.x86_64 0:7.0.33-1.32.amzn1 will be installed
--> Processing Dependency: php70-pdo(x86-64) = 7.0.33-1.32.amzn1 for package: php70-mysqlnd-7.0.33-1.32.amzn1.x86_64
--> Running transaction check
---> Package apr.x86_64 0:1.5.2-5.13.amzn1 will be installed
---> Package apr-util.x86_64 0:1.5.4-6.18.amzn1 will be installed
---> Package httpd24-tools.x86_64 0:2.4.41-1.88.amzn1 will be installed
---> Package mysql-config.x86_64 0:5.5.62-1.23.amzn1 will be installed
---> Package mysql56.x86_64 0:5.6.45-1.34.amzn1 will be installed
```

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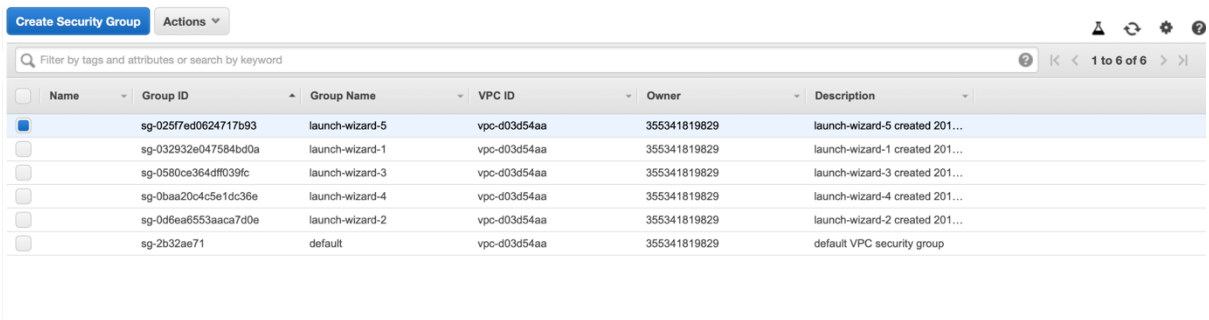
--> Processing Dependency: php70-xml(x86-64) = 7.0.33-1.32.amzn1 for package: php70-common-7.0.33-1.32.amzn1.x86_64
--> Processing Dependency: php70-json(x86-64) for package: php70-common-7.0.33-1.32.amzn1.x86_64
---> Package php70-pdo.x86_64 0:7.0.33-1.32.amzn1 will be installed
--> Running transaction check
---> Package mysql56-libs.x86_64 0:5.6.45-1.34.amzn1 will be installed
---> Package perl-PlRPC.noarch 0:0.2020-14.7.amzn1 will be installed
--> Processing Dependency: perl(Net::Daemon) >= 0.13 for package: perl-PlRPC-0.2020-14.7.amzn1.noarch
--> Processing Dependency: perl(Net::Daemon::Test) for package: perl-PlRPC-0.2020-14.7.amzn1.noarch
--> Processing Dependency: perl(Net::Daemon::Log) for package: perl-PlRPC-0.2020-14.7.amzn1.noarch
--> Processing Dependency: perl(Compress::Zlib) for package: perl-PlRPC-0.2020-14.7.amzn1.noarch
---> Package php70-json.x86_64 0:7.0.33-1.32.amzn1 will be installed
---> Package php70-process.x86_64 0:7.0.33-1.32.amzn1 will be installed
---> Package php70-xml.x86_64 0:7.0.33-1.32.amzn1 will be installed
--> Running transaction check
---> Package perl-IO-Compress.noarch 0:2.061-2.12.amzn1 will be installed
--> Processing Dependency: perl(Compress::Raw::Zlib) >= 2.061 for package: perl-IO-Compress-2.061-2.12.amzn1.noarch
--> Processing Dependency: perl(Compress::Raw::Bzip2) >= 2.061 for package: perl-IO-Compress-2.061-2.12.amzn1.noarch
---> Package perl-Net-Daemon.noarch 0:0.48-5.5.amzn1 will be installed
--> Running transaction check
---> Package perl-Compress-Raw-Bzip2.x86_64 0:2.061-3.11.amzn1 will be installed
---> Package perl-Compress-Raw-Zlib.x86_64 1:2.061-4.1.amzn1 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

================================================================================
 Package                  Arch    Version               Repository     Size
================================================================================
Installing:
 httpd24                  x86_64  2.4.41-1.88.amzn1     amzn-updates  1.6 M
 mysql56-server           x86_64  5.6.45-1.34.amzn1     amzn-updates   16 M
 php70                    x86_64  7.0.33-1.32.amzn1     amzn-updates  3.3 M
 php70-mysqlnd            x86_64  7.0.33-1.32.amzn1     amzn-updates  334 k
Installing for dependencies:
 apr                      x86_64  1.5.2-5.13.amzn1      amzn-main     118 k
 apr-util                 x86_64  1.5.4-6.18.amzn1      amzn-main      99 k
 httpd24-tools            x86_64  2.4.41-1.88.amzn1     amzn-updates   92 k
 mysql-config             x86_64  5.5.62-1.23.amzn1     amzn-updates   49 k
 mysql56                  x86_64  5.6.45-1.34.amzn1     amzn-updates   10 M
 mysql56-common           x86_64  5.6.45-1.34.amzn1     amzn-updates   91 k
 mysql56-errmsg           x86_64  5.6.45-1.34.amzn1     amzn-updates  685 k
 mysql56-libs             x86_64  5.6.45-1.34.amzn1     amzn-updates  951 k
 perl-Compress-Raw-Bzip2  x86_64  2.061-3.11.amzn1      amzn-main      33 k
 perl-Compress-Raw-Zlib   x86_64  1:2.061-4.1.amzn1     amzn-main      61 k
 perl-DBD-MySQL56         x86_64  4.023-5.21.amzn1      amzn-main     148 k
 perl-DBI                 x86_64  1.627-4.8.amzn1       amzn-main     855 k
 perl-Data-Dumper         x86_64  2.145-3.5.amzn1       amzn-main      49 k
 perl-IO-Compress         noarch  2.061-2.12.amzn1      amzn-main     298 k
 perl-Net-Daemon          noarch  0.48-5.5.amzn1        amzn-main      58 k
 perl-PlRPC               noarch  0.2020-14.7.amzn1     amzn-main      39 k
 php70-cli                x86_64  7.0.33-1.32.amzn1     amzn-updates  4.7 M
 php70-common             x86_64  7.0.33-1.32.amzn1     amzn-updates  1.2 M
 php70-json               x86_64  7.0.33-1.32.amzn1     amzn-updates   65 k
 php70-pdo                x86_64  7.0.33-1.32.amzn1     amzn-updates  171 k
 php70-process            x86_64  7.0.33-1.32.amzn1     amzn-updates   80 k
 php70-xml                x86_64  7.0.33-1.32.amzn1     amzn-updates  310 k

Transaction Summary
================================================================================
Install  4 Packages (+22 Dependent packages)
```

```
Total download size: 41 M
Installed size: 139 M
Downloading packages:
(1/26): httpd24-tools-2.4.41-1.88.amzn1.x86_64.rpm     |  92 kB   00:00
(2/26): apr-util-1.5.4-6.18.amzn1.x86_64.rpm           |  99 kB   00:00
(3/26): apr-1.5.2-5.13.amzn1.x86_64.rpm                | 118 kB   00:00
(4/26): mysql-config-5.5.62-1.23.amzn1.x86_64.rpm      |  49 kB   00:00
(5/26): httpd24-2.4.41-1.88.amzn1.x86_64.rpm           | 1.6 MB   00:00
(6/26): mysql56-common-5.6.45-1.34.amzn1.x86_64.rpm    |  91 kB   00:00
(7/26): mysql56-libs-5.6.45-1.34.amzn1.x86_64.rpm      | 951 kB   00:00
(8/26): mysql56-errmsg-5.6.45-1.34.amzn1.x86_64.rpm    | 685 kB   00:00
(9/26): perl-DBD-MySQL56-4.023-5.21.amzn1.x86_64.rpm   | 148 kB   00:00
(10/26): mysql56-5.6.45-1.34.amzn1.x86_64.rpm          |  10 MB   00:00
(11/26): perl-Compress-Raw-Bzip2-2.061-3.11.amzn1.x86_ |  33 kB   00:00
(12/26): perl-Compress-Raw-Zlib-2.061-4.1.amzn1.x86_64 |  61 kB   00:00
(13/26): perl-DBI-1.627-4.8.amzn1.x86_64.rpm           | 855 kB   00:00
(14/26): perl-Data-Dumper-2.145-3.5.amzn1.x86_64.rpm   |  49 kB   00:00
(15/26): perl-PlRPC-0.2020-14.7.amzn1.noarch.rpm       |  39 kB   00:00
(16/26): perl-IO-Compress-2.061-2.12.amzn1.noarch.rpm  | 298 kB   00:00
(17/26): perl-Net-Daemon-0.48-5.5.amzn1.noarch.rpm     |  58 kB   00:00
(18/26): php70-cli-7.0.33-1.32.amzn1.x86_64.rpm        | 4.7 MB   00:00
(19/26): php70-7.0.33-1.32.amzn1.x86_64.rpm            | 3.3 MB   00:00
(20/26): php70-json-7.0.33-1.32.amzn1.x86_64.rpm       |  65 kB   00:00
(21/26): php70-common-7.0.33-1.32.amzn1.x86_64.rpm     | 1.2 MB   00:00
(22/26): mysql56-server-5.6.45-1.34.amzn1.x86_64.rpm   |  16 MB   00:01
(23/26): php70-mysqlnd-7.0.33-1.32.amzn1.x86_64.rpm    | 334 kB   00:00
(24/26): php70-pdo-7.0.33-1.32.amzn1.x86_64.rpm        | 171 kB   00:00
(25/26): php70-process-7.0.33-1.32.amzn1.x86_64.rpm    |  80 kB   00:00
(26/26): php70-xml-7.0.33-1.32.amzn1.x86_64.rpm        | 310 kB   00:00
--------------------------------------------------------------------------------
Total                                       16 MB/s |  41 MB  00:02
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : php70-xml-7.0.33-1.32.amzn1.x86_64                    1/26
  Installing : php70-process-7.0.33-1.32.amzn1.x86_64                2/26
  Installing : php70-json-7.0.33-1.32.amzn1.x86_64                   3/26
  Installing : php70-cli-7.0.33-1.32.amzn1.x86_64                    4/26
  Installing : php70-common-7.0.33-1.32.amzn1.x86_64                 5/26
  Installing : apr-1.5.2-5.13.amzn1.x86_64                           6/26
  Installing : apr-util-1.5.4-6.18.amzn1.x86_64                      7/26
  Installing : mysql-config-5.5.62-1.23.amzn1.x86_64                 8/26
  Installing : mysql56-common-5.6.45-1.34.amzn1.x86_64               9/26
  Installing : perl-Data-Dumper-2.145-3.5.amzn1.x86_64              10/26
  Installing : mysql56-libs-5.6.45-1.34.amzn1.x86_64                11/26
  Installing : mysql56-errmsg-5.6.45-1.34.amzn1.x86_64              12/26
  Installing : mysql56-5.6.45-1.34.amzn1.x86_64                     13/26
  Installing : httpd24-tools-2.4.41-1.88.amzn1.x86_64               14/26
  Installing : httpd24-2.4.41-1.88.amzn1.x86_64                     15/26
  Installing : php70-pdo-7.0.33-1.32.amzn1.x86_64                   16/26
  Installing : perl-Compress-Raw-Bzip2-2.061-3.11.amzn1.x86_64      17/26
  Installing : perl-Net-Daemon-0.48-5.5.amzn1.noarch                18/26
  Installing : 1:perl-Compress-Raw-Zlib-2.061-4.1.amzn1.x86_64      19/26
  Installing : perl-IO-Compress-2.061-2.12.amzn1.noarch             20/26
  Installing : perl-PlRPC-0.2020-14.7.amzn1.noarch                  21/26
  Installing : perl-DBI-1.627-4.8.amzn1.x86_64                      22/26
  Installing : perl-DBD-MySQL56-4.023-5.21.amzn1.x86_64             23/26
  Installing : mysql56-server-5.6.45-1.34.amzn1.x86_64              24/26
  Installing : php70-mysqlnd-7.0.33-1.32.amzn1.x86_64               25/26
  Installing : php70-7.0.33-1.32.amzn1.x86_64                       26/26
```

```
Installed:
  httpd24.x86_64 0:2.4.41-1.88.amzn1
  mysql56-server.x86_64 0:5.6.45-1.34.amzn1
  php70.x86_64 0:7.0.33-1.32.amzn1
  php70-mysqlnd.x86_64 0:7.0.33-1.32.amzn1

Dependency Installed:
  apr.x86_64 0:1.5.2-5.13.amzn1
  apr-util.x86_64 0:1.5.4-6.18.amzn1
  httpd24-tools.x86_64 0:2.4.41-1.88.amzn1
  mysql-config.x86_64 0:5.5.62-1.23.amzn1
  mysql56.x86_64 0:5.6.45-1.34.amzn1
  mysql56-common.x86_64 0:5.6.45-1.34.amzn1
  mysql56-errmsg.x86_64 0:5.6.45-1.34.amzn1
  mysql56-libs.x86_64 0:5.6.45-1.34.amzn1
  perl-Compress-Raw-Bzip2.x86_64 0:2.061-3.11.amzn1
  perl-Compress-Raw-Zlib.x86_64 1:2.061-4.1.amzn1
  perl-DBD-MySQL56.x86_64 0:4.023-5.21.amzn1
  perl-DBI.x86_64 0:1.627-4.8.amzn1
  perl-Data-Dumper.x86_64 0:2.145-3.5.amzn1
  perl-IO-Compress.noarch 0:2.061-2.12.amzn1
  perl-Net-Daemon.noarch 0:0.48-5.5.amzn1
  perl-PlRPC.noarch 0:0.2020-14.7.amzn1
  php70-cli.x86_64 0:7.0.33-1.32.amzn1
  php70-common.x86_64 0:7.0.33-1.32.amzn1
  php70-json.x86_64 0:7.0.33-1.32.amzn1
  php70-pdo.x86_64 0:7.0.33-1.32.amzn1
  php70-process.x86_64 0:7.0.33-1.32.amzn1
  php70-xml.x86_64 0:7.0.33-1.32.amzn1

Complete!
[ec2-user@ip-172-31-17-246 ~]$ sudo service httpd start
Starting httpd:                                            [  OK  ]
[ec2-user@ip-172-31-17-246 ~]$ sudo service httpd start
Starting httpd:
[ec2-user@ip-172-31-17-246 ~]$ sudo service httpd start
Starting httpd:
[ec2-user@ip-172-31-17-246 ~]$ sudo chkconfig httpd on
[ec2-user@ip-172-31-17-246 ~]$ chkconfig --list httpd
httpd           0:off   1:off   2:on    3:on    4:on    5:on    6:off
[ec2-user@ip-172-31-17-246 ~]$ sudo groupadd www
[ec2-user@ip-172-31-17-246 ~]$ sudo usermod -a -G www ec2-user
[ec2-user@ip-172-31-17-246 ~]$ exit
logout
Connection to ec2-184-72-87-162.compute-1.amazonaws.com closed.
Sarthaks-MacBook-Pro:Downloads sarthakgoyal$ ssh -i "sgoyalp1.pem" ec2-user@ec2-184-72-87-162.compute-1.amazonaws.com
Last login: Wed Nov 20 14:08:40 2019 from 14.139.239.74

       __|  __|_  )
       _|  (     /   Amazon Linux AMI
      ___|\___|___|

https://aws.amazon.com/amazon-linux-ami/2018.03-release-notes/
-bash: warning: setlocale: LC_CTYPE: cannot change locale (UTF-8): No such file or directory
[ec2-user@ip-172-31-17-246 ~]$ groups
ec2-user wheel www
[ec2-user@ip-172-31-17-246 ~]$ sudo chown -R root:www /var/www
[ec2-user@ip-172-31-17-246 ~]$ sudo chmod 2775 /var/www
[ec2-user@ip-172-31-17-246 ~]$ find /var/www -type d -exec sudo chmod 2775 {} \;
[ec2-user@ip-172-31-17-246 ~]$ touch /var/www/html/index.html
[ec2-user@ip-172-31-17-246 ~]$ vi /var/www/html/index.html
```