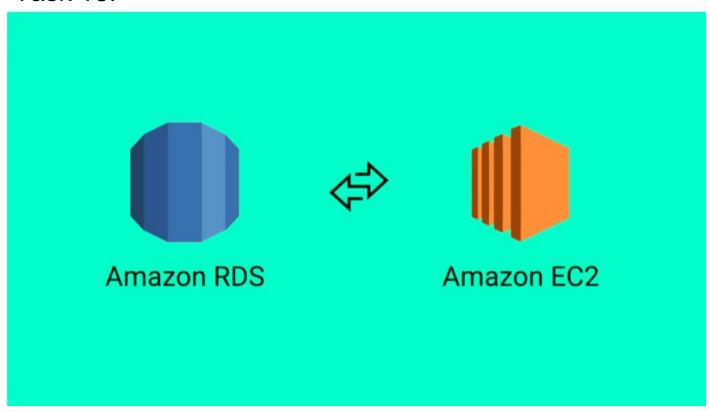
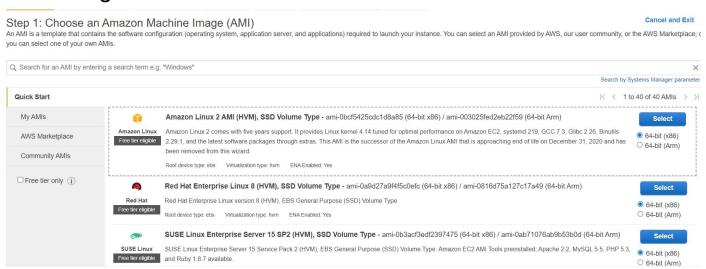
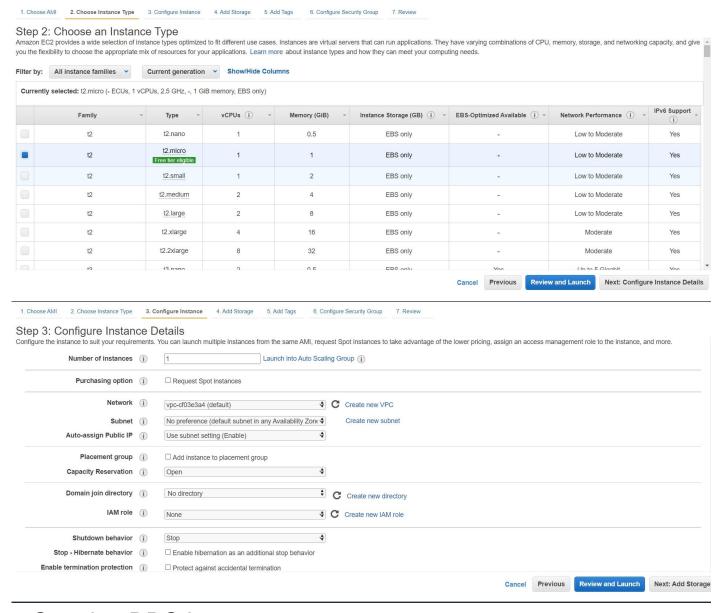
Task 18:

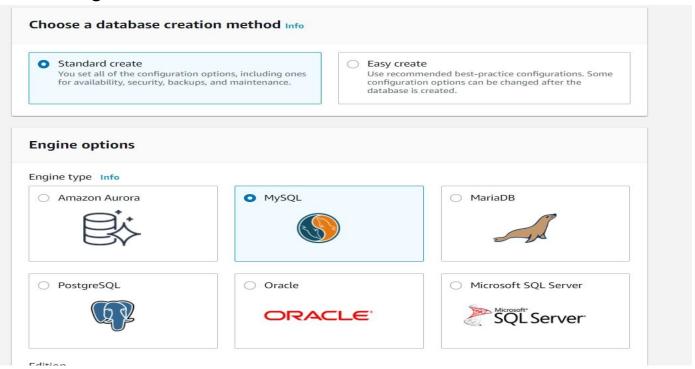


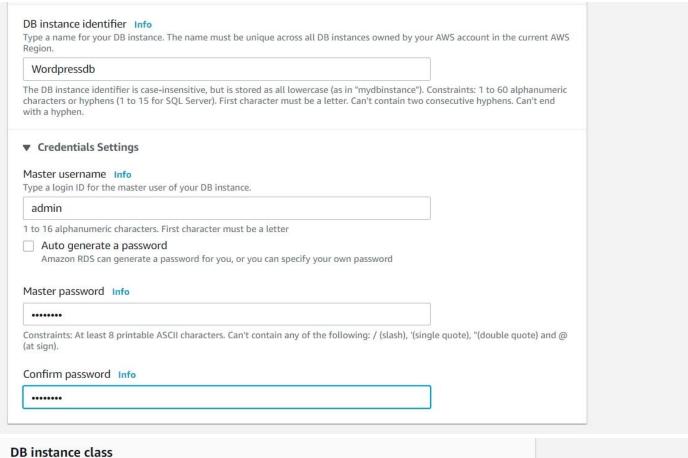
Integrating Amazon EC2 with Amazon RDS using Wordpress 1.Creating Ec2 Instance

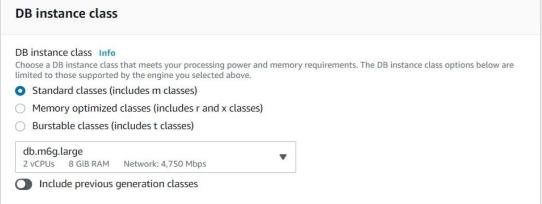


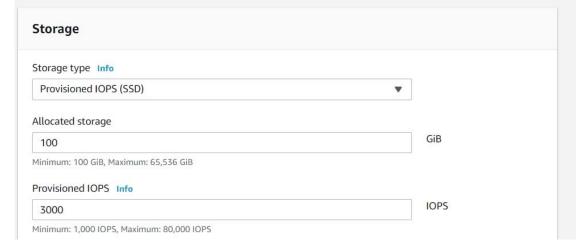


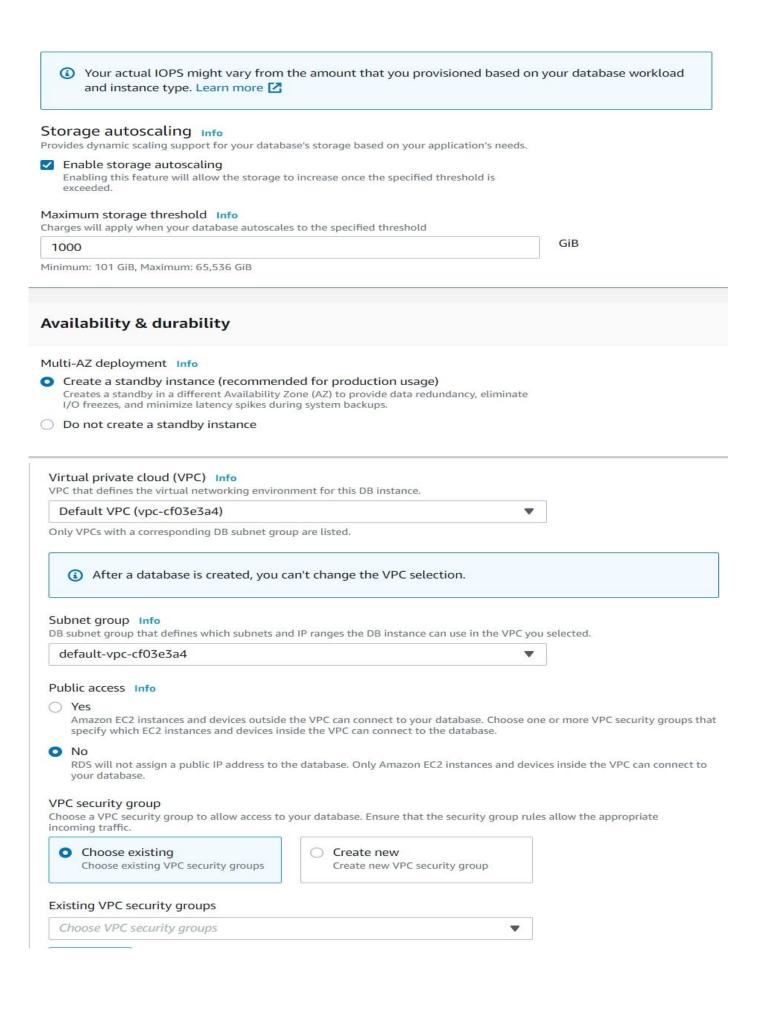
2. Creating RDS Instance

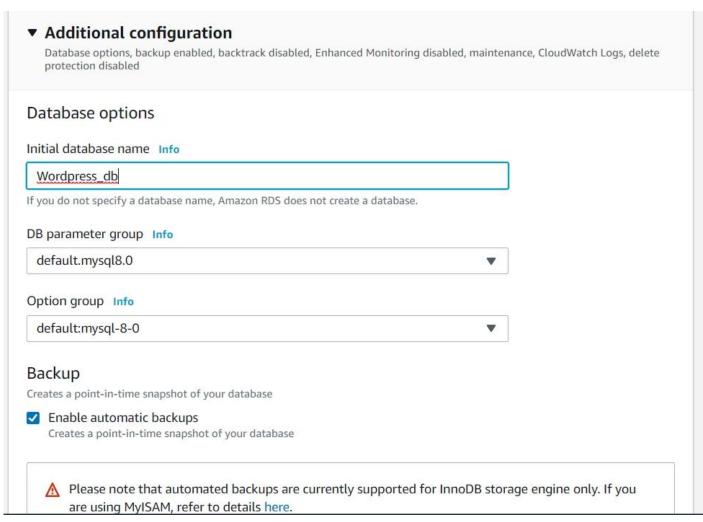












3.Installing Dependencies

```
[root@ip-172-31-32-248 ec2-user]# yum install php-mysqlnd -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
---> Package php-mysqlnd.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
--> Processing Dependency: php-pdo(x86-64) = 5.4.16-46.amzn2.0.2 for package: php-mysqlnd-5.4.16-46.amzn2.0.2.x86_64
--> Running transaction check
--> Package php-pdo.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
--> Processing Dependency: php-common(x86-64) = 5.4.16-46.amzn2.0.2 for package: php-pdo-5.4.16-46.amzn2.0.2.x86_64
--> Running transaction check
--> Package php-common.x86_64 0:5.4.16-46.amzn2.0.2 will be installed
--> Processing Dependency: libzip.so.2()(64bit) for package: php-common-5.4.16-46.amzn2.0.2.x86_64
--> Running transaction check
--> Package libzip010-compat.x86_64 0:0.10.1-9.amzn2.0.5 will be installed
--> Finished Dependency Resolution

Dependencies Resolved
```

```
root@ip-172-31-32-248 ec2-user]# yum install php-fpm
oaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
-> Running transaction check
---> Package php-fpm.x86_64 0:5.4.16-46.amzn2.0.2 will be installed --> Finished Dependency Resolution
Dependencies Resolved
Package
Installing:
                                        x86_64
php-fpm
                                                                               5.4.16-46.amzn2.0.2
Transaction Summary
Install 1 Package
Total download size: 1.4 M
Installed size: 4.5 M
Downloading packages:
php-fpm-5.4.16-46.amzn2.0.2.x86_64.rpm
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
[root@ip-172-31-32-248 ec2-user]# yum install mariadb-server -y
Loaded plugins: extras suggestions, langpacks, priorities, update-motd
Resolving Dependencies
-> Running transaction check
--> Package mariadb-server.x86_64 1:5.5.68-1.amzn2 will be installed
--> Processing Dependency: mariadb(x86-64) = 1:5.5.68-1.amzn2 for package: 1:mariadb-server
--> Processing Dependency: perl-DBI for package: 1:mariadb-server-5.5.68-1.amzn2.x86_64
--> Processing Dependency: pert-DB1 for package: 1:mariadb-server-5.5.68-1.amzn2.x86_64
--> Processing Dependency: pert-DBD-MySQL for package: 1:mariadb-server-5.5.68-1.amzn2.x86_
--> Processing Dependency: pert(Data::Dumper) for package: 1:mariadb-server-5.5.68-1.amzn2.x86_64
--> Processing Dependency: pert(DBI) for package: 1:mariadb-server-5.5.68-1.amzn2.x86_64
-> Running transaction check
--> Package mariadb.x86 64 1:5.5.68-1.amzn2 will be installed
--> Package perl-DBD-MySQL.x86 64 0:4.023-6.amzn2 will be installed
--> Package perl-DBI.x86_64 0:1.627-4.amzn2.0.2 will be installed
-> Processing Dependency: perl(RPC::PlServer) >= 0.2001 for package: perl-DBI-1.627-4.amzn
-> Processing Dependency: perl(RPC::PlClient) >= 0.2000 for package: perl-DBI-1.627-4.amzn
--> Package perl-Data-Dumper.x86_64 0:2.145-3.amzn2.0.2 will be installed
-> Running transaction check
--> Package perl-PlRPC.noarch 0:0.2020-14.amzn2 will be installed
--> Processing Dependency: perl(Net::Daemon) >= 0.13 for package: perl-PlRPC-0.2020-14.amzn
-> Processing Dependency: perl(Net::Daemon::Test) for package: perl-PlRPC-0.2020-14.amzn2.
[root@ip-172-31-32-248 ec2-user]# yum install httpd wget -y
Loaded plugins: extras suggestions, langpacks, priorities, update-motd
amzn2-core
Package wget-1.14-18.amzn2.1.x86 64 already installed and latest version
Resolving Dependencies
--> Running transaction check
---> Package httpd.x86_64 0:2.4.46-1.amzn2 will be installed
--> Processing Dependency: httpd-tools = 2.4.46-1.amzn2 for package: httpd-2.4.46-1.amz
--> Processing Dependency: httpd-filesystem = 2.4.46-1.amzn2 for package: httpd-2.4.46-
--> Processing Dependency: system-logos-httpd for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: mod_http2 for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: httpd-filesystem for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: /etc/mime.types for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: libaprutil-1.so.0()(64bit) for package: httpd-2.4.46-1.amzn2
--> Processing Dependency: libapr-1.so.0()(64bit) for package: httpd-2.4.46-1.amzn2.x86
-> Running transaction check
---> Package apr.x86_64 0:1.6.3-5.amzn2.0.2 will be installed ---> Package apr-util.x86_64 0:1.6.1-5.amzn2.0.2 will be installed
 -> Processing Dependency: apr-util-bdb(x86-64) = 1.6.1-5.amzn2.0.2 for package: apr-ut
 --> Package generic-logos-httpd.noarch 0:18.0.0-4.amzn2 will be installed
```

```
[root@ip-172-31-32-248 ec2-user]# amazon-linux-extras install php7.3
Installing php-pdo, php-fpm, php-mysqlnd, php-cli, php-json
Loaded plugins: extras suggestions, langpacks, priorities, update-motd
Cleaning repos: amzn2-core amzn2extra-docker amzn2extra-php7.3
12 metadata files removed
4 sqlite files removed
O metadata files removed
Loaded plugins: extras suggestions, langpacks, priorities, update-motd
amzn2-core
amzn2extra-docker
amzn2extra-php7.3
(1/7): amzn2-core/2/x86 64/group gz
(2/7): amzn2-core/2/x86 64/updateinfo
(3/7): amzn2extra-php7.\overline{3}/2/x86 64/primary db
(4/7): amzn2extra-docker/2/x86 64/updateinfo
(5/7): amzn2extra-docker/2/x86 64/primary db
```

4.Download the wordpress file and unzip it and copy in /var/www/html

```
[root@ip-172-31-32-248 ec2-user]# cd /var/www/html
[root@ip-172-31-32-248 html]# ls
[root@ip-172-31-32-248 html]# wget https://wordpress.org/latest.tar.gz
--2021-04-25 13:50:22-- https://wordpress.org/latest.tar.gz
Resolving wordpress.org (wordpress.org)... 198.143.164.252
Connecting to wordpress.org (wordpress.org)|198.143.164.252|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 15750352 (15M) [application/octet-stream]
Saving to: 'latest.tar.gz'
2021-04-25 13:50:27 (3.60 MB/s) - 'latest.tar.gz' saved [15750352/15750352]
[root@ip-172-31-32-248 html]# ls
latest.tar.gz
[root@ip-172-31-32-248 html]# tar xf latest.tar.gz
[root@ip-172-31-32-248 html]# ls
latest.tar.gz wordpress
[root@ip-172-31-32-248 html]#
```

5.Start Server

```
root@ip-172-31-32-248 html]# cd wordpress
 root@ip-172-31-32-248 wordpress]# ls
            wp-activate.php
                                                                                                              xmlrpc.php
index.php
                                  wp-comments-post.php
                                                         wp-cron.php
                                                                             wp-load.php
                                                                                           wp-settings.php
license.txt wp-admin
                                  wp-config-sample.php
                                                        wp-includes
                                                                             wp-login.php
                                                                                           wp-signup.php
readme.html wp-blog-header.php wp-content
                                                                            wp-mail.php
                                                         wp-links-opml.php
                                                                                           wp-trackback.php
 root@ip-172-31-32-248 wordpress]# systemctl start httpd
root@ip-172-31-32-248 wordpress]# systemctl status httpd
 httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor preset: disabled)
  Drop-In: /usr/lib/systemd/system/httpd.service.d
            \sqcupphp-fpm.conf
   Active: active (running) since Sun 2021-04-25 13:52:28 UTC; 4s ago
    Docs: man:httpd.service(8)
 Main PID: 4168 (httpd)
  Status: "Processing requests...
  CGroup: /system.slice/httpd.service
            -4168 /usr/sbin/httpd -DFOREGROUND
            –4174 /usr/sbin/httpd -DFOREGROUND
–4175 /usr/sbin/httpd -DFOREGROUND
             -4176 /usr/sbin/httpd -DFOREGROUND
             -4177 /usr/sbin/httpd -DF0REGROUND
            -4178 /usr/sbin/httpd -DFOREGROUND
Apr 25 13:52:28 ip-172-31-32-248.ap-south-1.compute.internal systemd[1]: Starting The Apache HTTP Server...
Apr 25 13:52:28 ip-172-31-32-248.ap_south-1.compute.internal systemd[1]: Started The Apache HTTP Server.
```

5. Start Wordpress by using URL: ipaddress/wordpress/wp-admin/setup-config.php



Welcome to WordPress. Before getting started, we need some information on the database. You will need to know the following items before proceeding.

- 1. Database name
- 2. Database username
- 3. Database password
- 4. Database host
- 5. Table prefix (if you want to run more than one WordPress in a single database)

We're going to use this information to create a wp-config.php file. If for any reason this automatic file creation doesn't work, don't worry. All this does is fill in the database information to a configuration file. You may also simply open wp-config-sample.php in a text editor, fill in your information, and save it as wp-config.php. Need more help? We got it.

In all likelihood, these items were supplied to you by your Web Host. If you don't have this information, then you will need to contact them before you can continue. If you're all ready...

Let's go!

6. Wordpress Login



Below you should enter your database connection details. If you're not sure about these, contact your host. The name of the database you want to use Database Name wordpress with WordPress. Your database username. Username admin Your database password. Password 12345678 You should be able to get this info from your Database Host ap-south-1.rds.amazonaws.com web host, if localhost doesn't work. If you want to run multiple WordPress Table Prefix wp installations in a single database, change this. Submit

Wordpress Dashboard Ready

