Web Application with RDS Database (Mysql or Aurora Serverless)

1. EC2 web server: on step 3 configure instance details, go to the bottom advanced details. Copy the script under user data.

**#!/bin/bash  
yum update -y**

**yum install -y httpd24 php70 php70-mysqlnd**

**service httpd start**

**chkconfig httpd on**

**groupadd www**

**usermod -a -G www ec2-user**

**chown -R root:www /var/www**

**chmod 2775 /var/www**

**find /var/www -type d -exec sudo chmod 2775 {} +**

**find /var/www -type f -exec sudo chmod 0664 {} +**

**mkdir /var/www/inc**

**chown ec2-user:www /var/www/inc/**

1. Create the table after connected DB instance through SSH tunnel

CREATE TABLE test.Persons (

ID int(11) NOT NULL AUTO\_INCREMENT,

NAME varchar(40) NOT NULL,

EMAIL varchar(50),

PRIMARY KEY (ID),

UNIQUE KEY ID\_UNIQUE (ID)

);

1. Telnet to EC2 web server

**chmod 400 *<your key>*.pem**

**ssh -i /path/my-key-pair.pem ec2-user@*<ec2 public\_dns\_name>***

1. Download php-mysql.zip. Unzip it then SFTP the package to web server

**sftp -i *<your key>*.pem** [**ec2-user@**](mailto:ec2-user@ec2-54-175-122-78.compute-1.amazonaws.com)***<ec2 public\_dns\_name>***

**sftp> put php-mysql/\*.php /var/www/html/.**

**sftp> put php-mysql/\*.html /var/www/html/.**

**sftp> put php-mysql/\*.css /var/www/html/.**

**sftp> put php-mysql/\*.inc /var/www/inc/.**

**sftp> quit**

1. Modify info in /var/ww/inc/dbinfo.inc

**<?php**

**define('DB\_SERVER', '*<your db instance endpoint>*');**

**define('DB\_USERNAME', '*<master user name>*');**

**define('DB\_PASSWORD', '*<master user password>*');**

**define('DB\_DATABASE', 'test');**

**?>**