Lab 1

VPCs

Graphical user interface, text, application

Description automatically generated

Route tables

Graphical user interface, text, application, email

Description automatically generated

NAT gateways

Graphical user interface, text, application

Description automatically generated

EC2 Instances

Graphical user interface, text, application, email

Description automatically generated Graphical user interface, text, email

Description automatically generated

Commands

WINDOWS: pscp -i Downloads\iti-key.ppk Downloads\iti-key.pem ec2-user@52.91.228.235:/home/ec2-user

$ sudo yum update

$ chmod 600 iti-key.pem

$ sudo yum install httpd

$ sudo systemctl start httpd

$ sudo yum clean metadata

$ sudo amazon-linux-extras enable php7.4

$ sudo yum install php php {pear,cgi,common,curl,mbstring,gd,mysqlnd,gettext,bcmath,json,xml,fpm,intl,zip,imap}

$ cd /var/www/html/

$ sudo wget https://wordpress.org/latest.tar.gz

$ sudo tar zxf latest.tar.gz

$ cd ~

$ sudo systemctl restart httpd

$ ssh -i iti-key.pem ec2-user@10.0.136.56

$ sudo yum install https://dev.mysql.com/get/mysql80-community-release-el7-5.noarch.rpm

$ sudo amazon-linux-extras install epel -y

$ sudo yum -y install mysql-community-server

$ sudo systemctl enable --now mysqld

$ systemctl status mysqld

$ sudo grep 'temporary password' /var/log/mysqld.log

$ sudo mysql\_secure\_installation -p

$ mysql -u root -p

mysql> create database wordpress;

mysql> CREATE USER 'admin'@'10.0.10.178' IDENTIFIED BY 'Password@1234';

// Private IPv4 addresses (wordpress machine) -> '10.0.10.178'

mysql> GRANT ALL PRIVILEGES ON \*.\* TO 'admin'@'10.0.10.178' WITH GRANT OPTION;

mysql> FLUSH PRIVILEGES;

mysql> exit;

$ exit

$ cd /var/www/html/

$ sudo chown -R apache wordpress

<http://52.91.228.235/wordpress/>

Graphical user interface, text

Description automatically generated

Video: <https://drive.google.com/file/d/1WZwBConep1idevRLZHTd2GPQZlVZkX1P/view?usp=sharing>