

Lab 1

VPCs

Your VPCs (2) Info

Filter VPCs

<input type="checkbox"/>	Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR
<input type="checkbox"/>	-	vpc-06f3569c39988a9eb	Available	172.31.0.0/16	-
<input type="checkbox"/>	project-vpc	vpc-049fdb25df1db7c51	Available	10.0.0.0/16	-

Route tables

Route tables (4) Info

Filter route tables

<input type="checkbox"/>	Name	Route table ID	Explicit subnet associ...	Edge associations	Main	VPC
<input type="checkbox"/>	-	rtb-097c6bbc44e85f7d3	-	-	Yes	vpc-049fdb25df1db7c51 pr...
<input type="checkbox"/>	project-rtb-private...	rtb-0e25c363f9af1714a	subnet-05cb81732a405...	-	No	vpc-049fdb25df1db7c51 pr...
<input type="checkbox"/>	-	rtb-025a936ec689cceb	-	-	Yes	vpc-06f3569c39988a9eb
<input type="checkbox"/>	project-rtb-public	rtb-0fef03a0e6e8f2240	subnet-0edb046b7f66c...	-	No	vpc-049fdb25df1db7c51 pr...

NAT gateways

NAT gateways (1/1) Info

Filter NAT gateways

<input type="checkbox"/>	Name	NAT gateway ID	Connectivit...	State	State message	Elastic IP address
<input checked="" type="checkbox"/>	iti-ngw	nat-0295cce53f8e5c480	Public	Available	-	34.199.233.59

EC2 Instances

Instances (1/2) Info

Search

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	iti-wordpress	i-00ddc724be79b4f3c	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a
<input checked="" type="checkbox"/>	iti-mysql	i-0570f2446122e77dc	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a

Instance: i-0570f2446122e77dc (iti-mysql)

Details | Security | Networking | Storage | Status checks | Monitoring | Tags

Instance summary

Instance ID: i-0570f2446122e77dc (iti-mysql)

IPv6 address: -

Instance state: Running

Instance type: t2.micro

Public IPv4 address: -

Private IPv4 addresses: 10.0.136.56

Public IPv4 DNS: -

Private IPv4 DNS: -

Answer private resource DNS name: ip-10-0-136-56.ec2.internal

Auto-assigned IP address: -

Hostname type: IP name: ip-10-0-136-56.ec2.internal

Private IP DNS name (IPv4 only): ip-10-0-136-56.ec2.internal

Answer private resource DNS name: IPv4 (A)

Elastic IP addresses: -

Auto-assigned IP address: -

Instance: i-00ddc724be79b4f3c (iti-wordpress)

Details | Security | Networking | Storage | Status checks | Monitoring | Tags

Instance summary

Instance ID: i-00ddc724be79b4f3c (iti-wordpress)

IPv6 address: -

Instance state: Running

Instance type: t2.micro

Public IPv4 address: 52.91.228.235 | open address

Private IPv4 addresses: 10.0.10.178

Public IPv4 DNS: ec2-52-91-228-235.compute-1.amazonaws.com | open address

Private IPv4 DNS: -

Answer private resource DNS name: IPv4 (A)

Auto-assigned IP address: 52.91.228.235 (Public IP)

Hostname type: IP name: ip-10-0-10-178.ec2.internal

Private IP DNS name (IPv4 only): ip-10-0-10-178.ec2.internal

Answer private resource DNS name: IPv4 (A)

Elastic IP addresses: -

Auto-assigned IP address: -

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 php8.0

\$ sudo yum install php8.0

\$ 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 xzf 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;

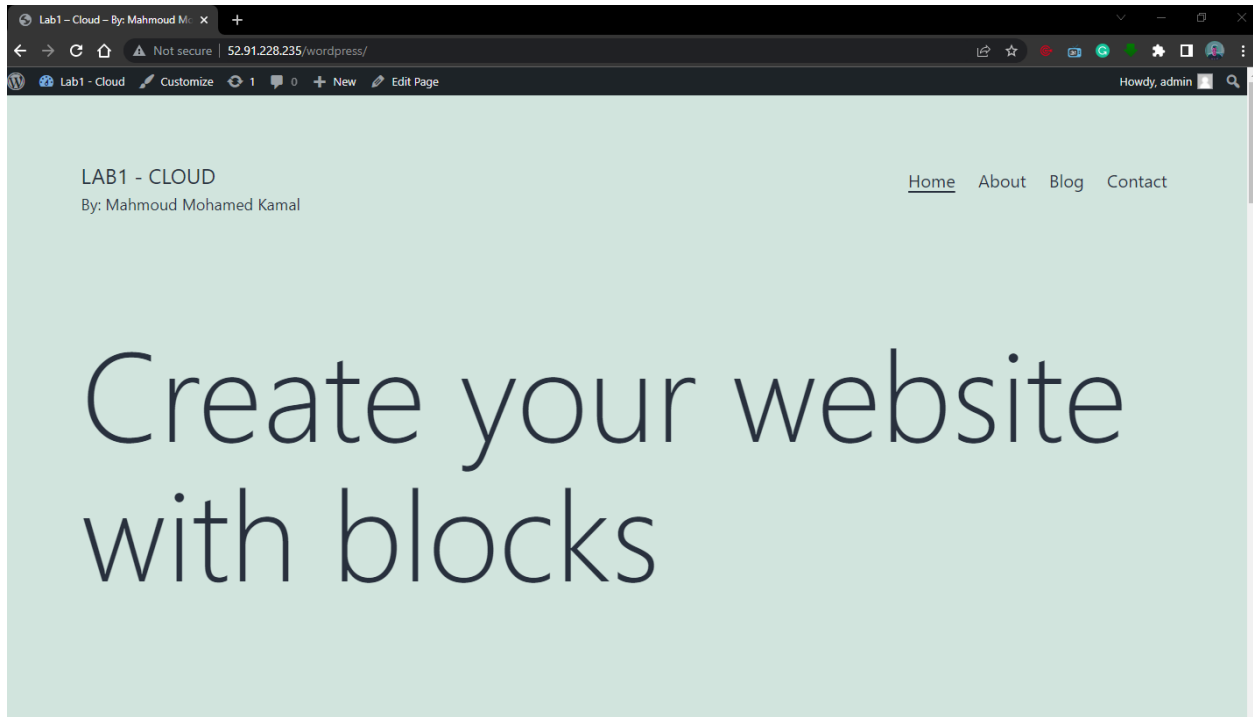
mysql> exit;

\$ exit

\$ cd /var/www/html/

\$ sudo chown -R apache wordpress

<http://52.91.228.235/wordpress/>



Video: <https://drive.google.com/file/d/1WZwBConep1idevRLZHTd2GPQZIVZkX1P/view?usp=sharing>