

# 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   prc
<input type="checkbox"/>	project-rtb-private...	rtb-0e25c363f9af1714a	subnet-05cb81732a405...	-	No	vpc-049fdb25df1db7c51   prc
<input type="checkbox"/>	-	rtb-025a936ec689cceb	-	-	Yes	vpc-06f3569c39988a9eb
<input type="checkbox"/>	project-rtb-public	rtb-0fef03a0e6e8f2240	subnet-0edb046b7f66c...	-	No	vpc-049fdb25df1db7c51   prc

## 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

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

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: IPv4 (A)

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

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

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

Answer private resource DNS name: IPv4 (A)

Auto-assigned IP address: 52.91.228.235 (Public IP)

# 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 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;
```

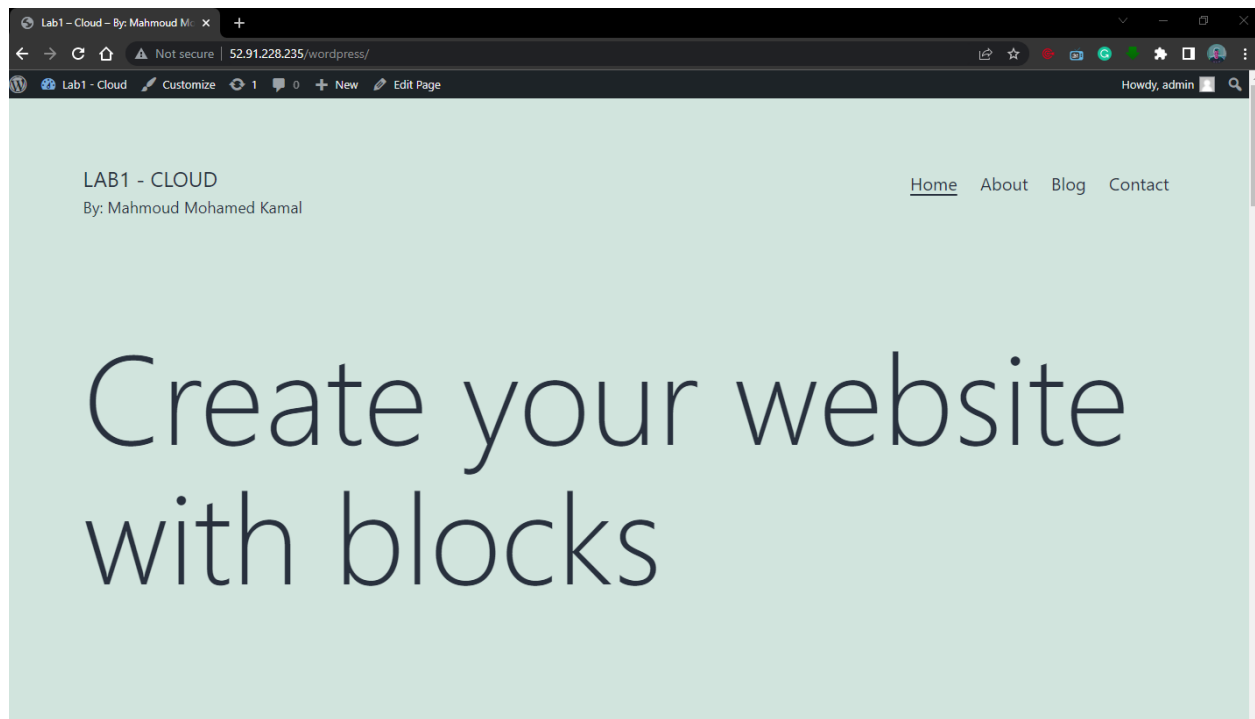
```
mysql> exit;
```

```
$ 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>