root@localhost: mL\_cZ,W(\*8ar

Used NO linux 2

Login: **ssh -i "adroukadmin.pem" ec2-user@ec2-34-219-172-208.us-west-2.compute.amazonaws.com**

When setting spot configuration use 2 security groups and adroukadmin key pair

sudo yum update

yum search

yum install

Install LAMP <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/install-LAMP.html>

**sudo yum update -y**

**sudo yum install -y httpd24 php70 mysql56-server php70-mysqlnd**

**sudo service httpd start //*NB! Maybe need to start after instance installation***

**sudo chkconfig httpd on // to start with each boot**

**chkconfig --list httpd // to check if httpd is running**

set security setting to allow

change permissions for /var/www/ see ref above for instructions

**sudo groupadd www**

**sudo usermod -a -G apache *ec2-user***

***exit***

[ec2-user ~]$ **groups** ec2-user wheel apache

**sudo chown -R ec2-user:apache /var/www**

**sudo chmod 2775 /var/www**

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

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

restart apache: **sudo service httpd restart**

to install node see instruction <https://docs.aws.amazon.com/sdk-for-javascript/v2/developer-guide/setting-up-node-on-ec2-instance.html>

and https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/CHAP\_Tutorials.WebServerDB.CreateWebServer.html

check npm npm –v

For startupapi:

sudo yum install php70-mcrypt.x86\_6sudo yum install php-mysql.x86\_64

sudo yum install libcurl.x86\_64

perl v5.16.3

node v8.11.2

npm 5.6.0

PHP 7.0.30

MySql root@localhost

pass: adrouk1546! NOTICE CASE

To login use: mysql -u root -p

Enter password: adrouk1546!

CREATE USER 'ct'@'%' IDENTIFIED BY 'Adrouk1546!'; GRANT ALL ON target\_database.\* TO 'ct'@'%';

Quit

OR use phpAdmin to create a user and grant him all privileges

**mysql -u ct –p**

**Enter password: Adrouk1546!**

To install and configure StartupAPI

Log as root

CREATE SCHEMA IF NOT EXISTS puppeteer\_schema;

CREATE USER schema\_user@localhost IDENTIFIED BY 'Adrouk1546!';

sudo /etc/init.d/mysqld stop

+--------------------+

| Databases |

+--------------------+

| information\_schema |

| ct\_schema |STATRUPAPI

| mysql |

| performance\_schema |

| |

+--------------------+ +-------------+

| User |

+-------------+

| root |

| root |

| ct |

| root |

| schema\_user |

+-------------+

LOGIN: alex

PASS: Adrouk1546!

To install puppeteer https://medium.com/mockingbot/run-puppeteer-chrome-headless-on-ec2-amazon-linux-ami-6c9c6a17bee6

Installed Packages

httpd24.x86\_64 2.4.33-2.78.amzn1 @amzn-updates

mysql56-server.x86\_64 5.6.39-1.28.amzn1 @amzn-main

php70.x86\_64 7.0.30-1.29.amzn1 @amzn-updates

php70-mysqlnd.x86\_64 7.0.30-1.29.amzn1 @amzn-updates

NB! When creating a spot request use ‘**adroukadmin**’ as key pair and **default security group**

AMI aiready ami-58126b20 in Virginia (sergey region) id is ami-6f380410

My id arn:aws:iam::343573660174:user/adroukadmin

arn:aws:iam::191519130263:user/sergey

To login use Account ID or alias: alexdruk, **IAM user name: adroukadmin, pass:** adrouk1546!​

phpAdmin at <IP>/phpAdmin

phpinfo.php at <IP>phpinfo.php

df –h for disk usage

du –sh how much space is used

LOGIN FOR StartupAPI alex Pass Adrouk1546!

Sudo npm install mysql2

To see cpu usage: ps -C node -o pid,%cpu,%mem,cmd

ps -A | grep node

pgrep node

killall node

/home/ec2-user/sqldata

SELECT \* FROM results

INTO OUTFILE '/home/ec2-user/sqldata/data.csv'

FIELDS TERMINATED BY ','

ENCLOSED BY '"'

LINES TERMINATED BY '\n'

Sudo apachectl -k restart

Log in as root pass:adrouk1546!

DB instance identifier: cryptelligent

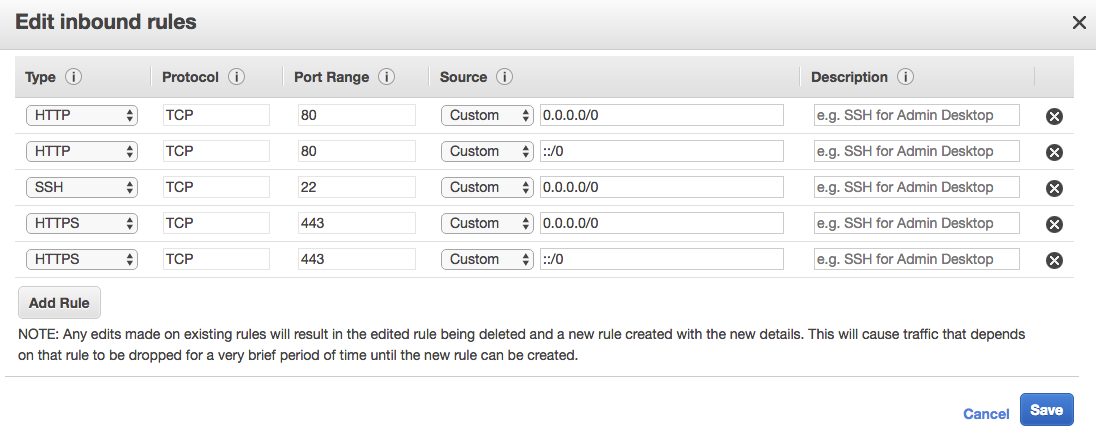
Master username: adroukadmin

Master pass: Adrouk1546!

mysql -h cryptelligent.cbzcytw9sbsb.us-west-2.rds.amazonaws.com -P 3306 -u adroukadmin -p

mysqldump -h cryptelligent.cbzcytw9sbsb.us-west-2.rds.amazonaws.com -u adroukadmin -p ct > ./sqldata/dump.sql

mysql -u adroukadmin -p --database=ct --host=cryptelligent.cbzcytw9sbsb.us-west-2.rds.amazonaws.com --batch -e "select \* from ct.results" | sed 's/\t/","/g;s/^/"/;s/$/"/;s/\n//g' > ./sqldata/results.csv



sudo tail -f /var/log/httpd/error\_log

npm i puppeteer

 crontab -u username –l

sudo cat /var/log/cron

cd /etc/cron.hourly/

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html#using-instance-addressing-eips-associating>

aws ec2 associate-address --instance-id i-0b263919b6498b123 --allocation-id eipalloc-64d5890a

/etc/letsencrypt/live/www.cryptelligent.com/fullchain.pem

/etc/letsencrypt/live/www.cryptelligent.com/privkey.pem

sudo apachectl configtest

sudo apachectl restart