# Deploying Winesaps server

## Preparing the host

# login as root

cat /etc/redhat-release

# CentOS release 6.9 (Final)

# CentOS Linux release 7.1.1503 (Core)

uname -a

# Linux vps6274 2.6.32-042stab116.2 #1 SMP Fri Jun 24 15:33:57 MSK 2016 x86\_64 x86\_64 x86\_64 GNU/Linux

useradd mitrakov

passwd mitrakov

yum install sudo

visudo

# add privileges to mitrakov

logout

# login as mitrakov

# install epel repository

sudo yum install epel-release

yum repolist

# ensure epel is installed correctly

sudo yum -y update

sudo yum install mc

sudo yum install zip unzip

sudo yum install firewalld

sudo service firewalld start

sudo chkconfig firewalld on

crontab -e

# if command not found, then install cron:

sudo yum install vixie-cron

sudo service crond start

sudo chkconfig crond on

locale

# if value = “C” or “POSIX” (not UTF-8):

export LC\_ALL=en\_US.UTF-8

# add to /etc/profile:

export LC\_ALL=en\_US.UTF-8

## Installing Go and building the server

wget <https://storage.googleapis.com/golang/go1.8.1.linux-amd64.tar.gz>

# unpack to /usr/local/go

export PATH=$PATH:/usr/local/go/bin

# add to /etc/profile:

export PATH=$PATH:/usr/local/go/bin

go version

# go version go1.8.1 linux/amd64

go env

# ensure GOPATH is set properly (/home/mitrakov/go)

mkdir ~/go

mkdir ~/go/bin

mkdir ~/go/pkg

mkdir ~/go/src

# now install git (“go get” doesn’t work without it)

sudo yum install git

git --version

# git version 1.7.1

# install dependencies:

go get github.com/go-sql-driver/mysql

go get github.com/vaughan0/go-ini

go get golang.org/x/crypto/bcrypt

# build the server:

cd ~/go/bin

go build -race -i mitrakov.ru/home/winesaps/

# open required ports

sudo firewall-cmd --add-port=33996/udp --permanent

sudo iptables -I INPUT 1 -p udp --dport 33996 -j ACCEPT

## Installing MySQL

sudo yum localinstall <https://dev.mysql.com/get/mysql57-community-release-el6-9.noarch.rpm>

#sudo yum localinstall <https://dev.mysql.com/get/mysql57-community-release-el7-9.noarch.rpm>

sudo yum install mysql-server

mysql --version

# mysql Ver 14.14 Distrib 5.7.18, for Linux (x86\_64) using EditLine wrapper

sudo service mysqld start

sudo chkconfig mysqld on

grep 'A temporary password is generated for root@localhost' /var/log/mysqld.log

# remember the password

mysql\_secure\_installation

# change root password, remove a test user, test database and so on...

# open ports (to get visible outside):

sudo firewall-cmd --add-port=3306/tcp --permanent

sudo iptables -I INPUT 1 -p tcp --dport 3306 -j ACCEPT

## Setting up MySQL

mysql -u root -p

# input your password

UNINSTALL PLUGIN validate\_password;

CREATE USER tommy@localhost IDENTIFIED BY '1234';

CREATE USER tommy@’212.33.245.191’ IDENTIFIED BY '1234';

GRANT ALL ON \*.\* TO tommy@localhost;

GRANT ALL ON \*.\* TO tommy@'212.33.245.191';

GRANT SUPER ON \*.\* TO tommy@localhost;

FLUSH PRIVILEGES;

exit

mysql -u tommy -p

#input your new password

CREATE DATABASE rush;

exit

## Data import

mysql -u tommy -p rush < db.sql

## Starting the server

cd ~/go/bin/

# ensure there are levels/ folder and settings.ini file

nohup ./start.sh winesaps &

## Autorun

sudo chmod +x /etc/rc.d/rc.local

# add to /etc/rc.d/rc.local

cd /home/mitrakov/go/bin/  
sudo -u mitrakov nohup ./start.sh winesaps &  
cd  
touch /home/mitrakov/restarted.txt