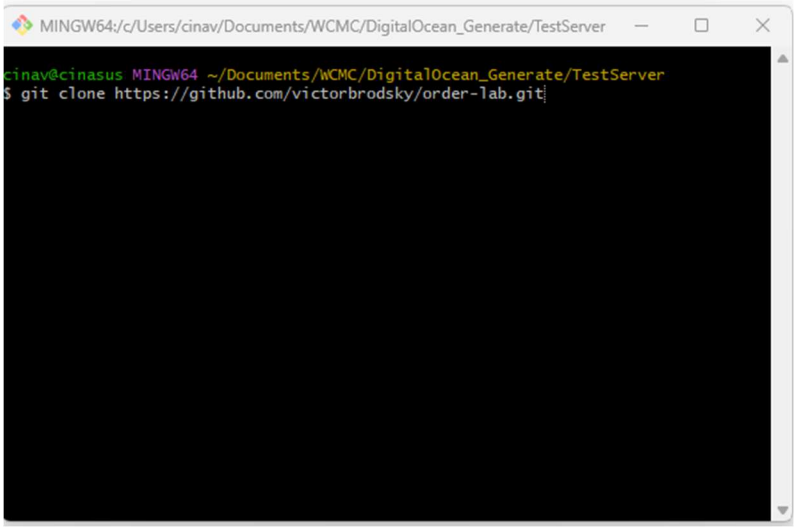
Installation Instructions

I. Digital Ocean via Packer

- create new folder "New Server" and open a command console from this folder (i.e. 'Git Bash Here')



- Clone ORDER repository from git:
  git clone https://github.com/victorbrodsky/order-lab.git
- Go to packer directory:
  cd order-lab/packer/
- Run packer installation script:
  bash deploy-order-digital-ocean.sh --token mytoken -os alma9 --protocol https

Example to install Alma9 server with multi-tenancy for “https://view.online” domain:

bash deploy-order-digital-ocean.sh --token mytoken --os alma9 --protocol https --domainname view.online --sslcertificate installcertbot --email oli2002@med.cornell.edu --sshfingerprint 1a:55:66:2b:11:3c:11:b4:33:d5:99:44:f6:33:22:11 --multitenant haproxy | tee deploypacker.log

Notes:

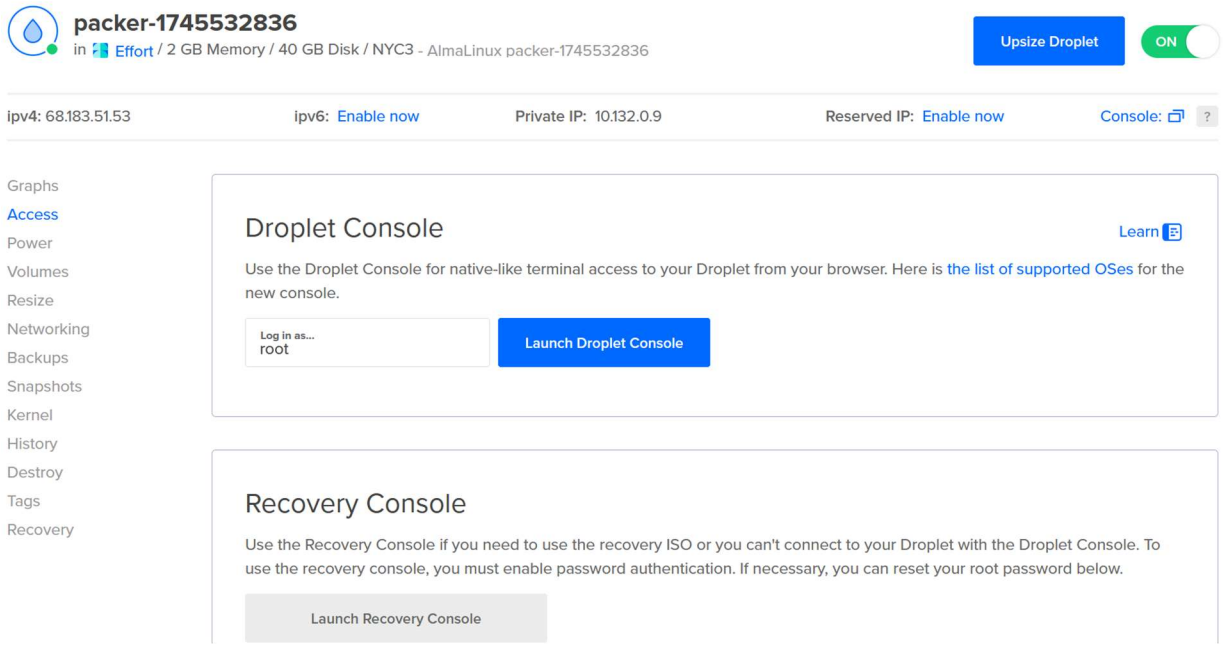
--sshfingerprint option is required for certbot and certificate installation.

To use ssh, ssh key should be added to DigitalOcean: Settings->Security->Add SSH Key

If certbot installation will fail during automated installation, certbot can be installed later manually via Droplet Console or by running doctl.

Via Droplet Console:

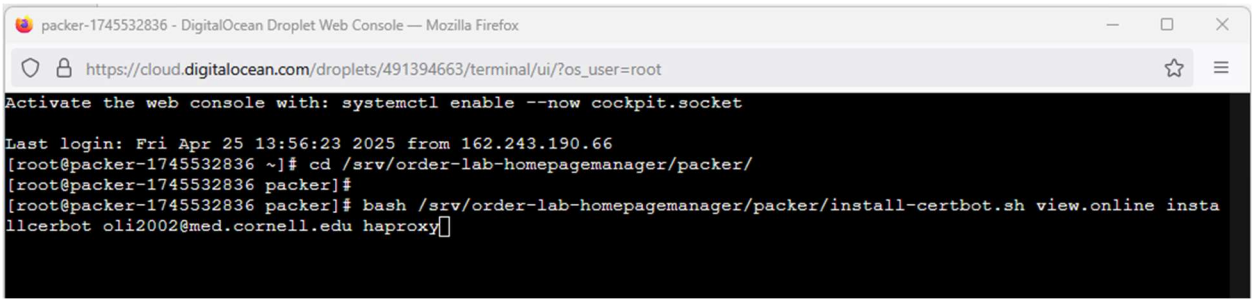
Go to DigitalOcean: Droplets -> click on newly generated droplet -> click Access -> Launch Droplet Console



In console, run these command:

cd /srv/order-lab-homepagemanager/packer/

bash /srv/order-lab-homepagemanager/packer/install-certbot.sh view.online installcerbot oli2002@med.cornell.edu haproxy



This script will install Certbot, set up the certificate, and configure haproxy.cfg to apply it.

By running doctl from local PC:

doctl compute ssh "packer-1745521900" --ssh-key-path ./sshkey --ssh-command 'bash /srv/order-lab-homepagemanager/packer/install-certbot.sh view.online installcertbot oli2002@med.cornell.edu haproxy'

To initialize tenant run in browser:

http://view.online/directory/admin/first-time-login-generation-init

II. Installation ORDER on the provided server with installed Alma9 or RHEL9

If the server is already provided with Alma9 or RHEL9, go to the server console and run:

```
sudo yum install -y git
cd /srv
git clone https://github.com/victorbrodsky/order-lab.git
cd order-lab/packer/
```

Run alma9_install.sh to install Apache, Postgresql, PHP, required utilities:

```
bash alma9_install.sh dbusername dbpassword protocol domain sslcertificate email multitenant
```

Run install-multitenancy.sh to install multi-tenant ORDER system with HaProxy for view.online domain, the installation log will be stored in multitenancy.log file:

```
bash install-multitenancy.sh -u dbusername -t dbpassword -m haproxy -p /srv -s none -d none -e none -l none | tee multitenancy.log
```

Example to install Apache, Postgresql, PHP, required utilities, multi-tenant ORDER system with HaProxy for view.online domain:

```
bash alma9_install.sh symfony symfony https view.online installcertbot oli2002@med.cornell.edu haproxy
```

```
bash install-multitenancy.sh -u symfony -t symfony -m haproxy -p /srv -s none -d none -e none -l none | tee multitenancy.log
```

To initialize tenant run in browser:

http://view.online/directory/admin/first-time-login-generation-init

In all cases: if the web site is not opening, check haproxy and php-fpm status on the server:

```
sudo systemctl status haproxy
sudo systemctl status php-fpm
sudo systemctl status httpdhomepagemanager
sudo systemctl status httpdtenantmanager
sudo systemctl status httpdtenantapp1
sudo systemctl status httpdtenantapp2
sudo systemctl status httpdtenantappdemo
```