Securing Your Droplet

Mason Egger
Developer Advocate
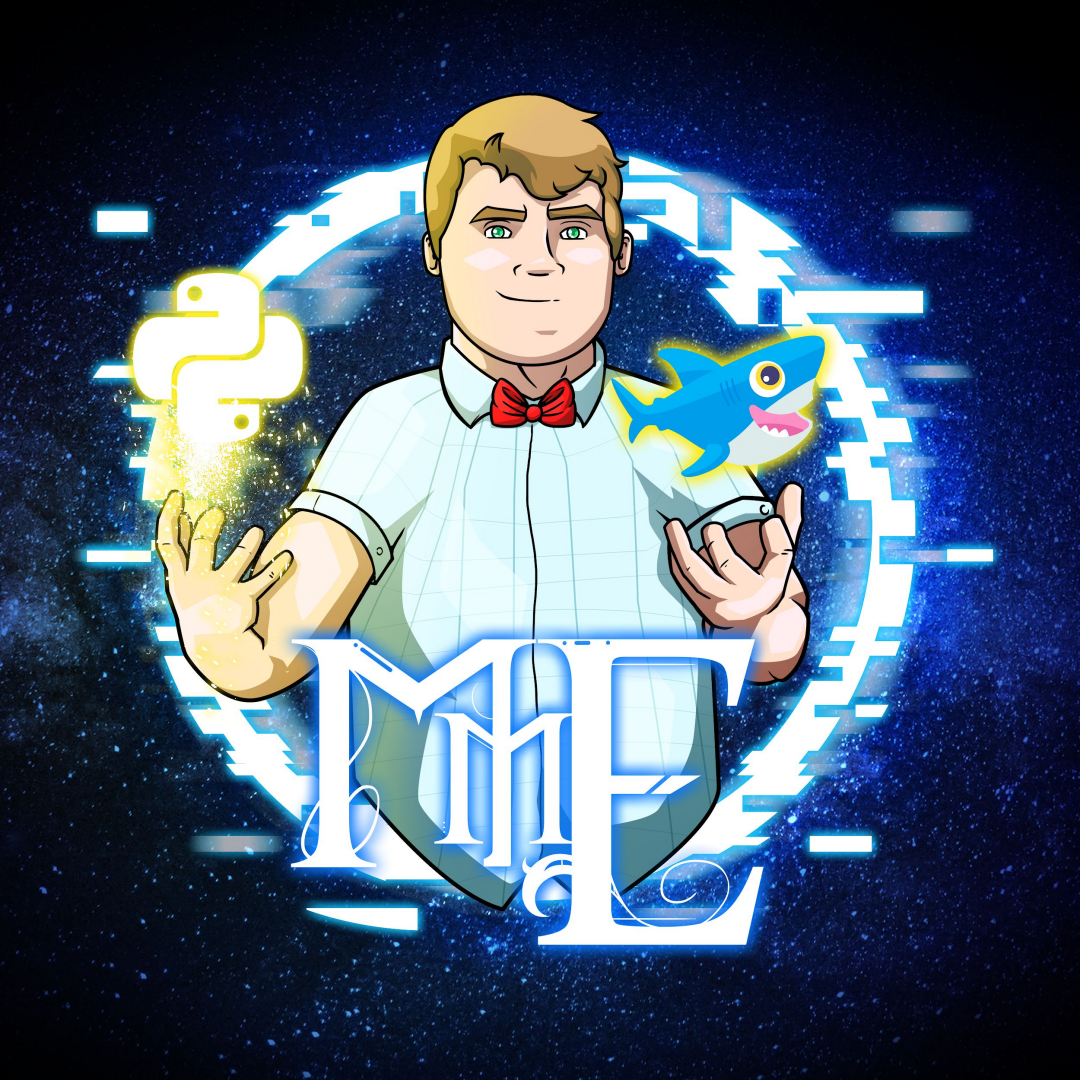
@masonegger

https://mason.dev
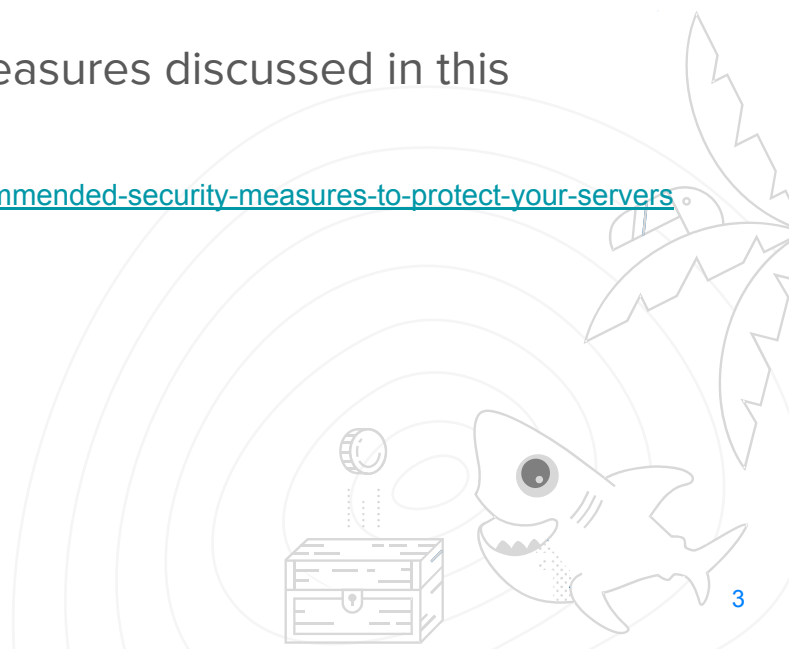
mason@do.co

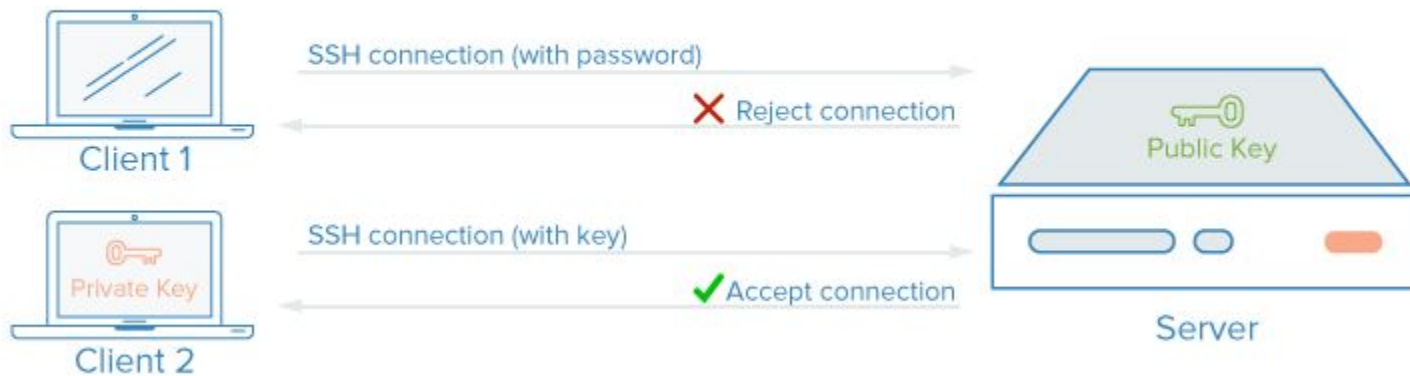https://twitch.tv/codingwithmason

@masonegger

Webinar Goals

- ○ Learn about different tactics to secure your Droplet

- ○ Demonstrate how to implement these tactics on your own Droplet

- ○ This webinar goes over the security measures discussed in this DigitalOcean community tutorial
  - ○ https://www.digitalocean.com/community/tutorials/recommended-security-measures-to-protect-your-servers
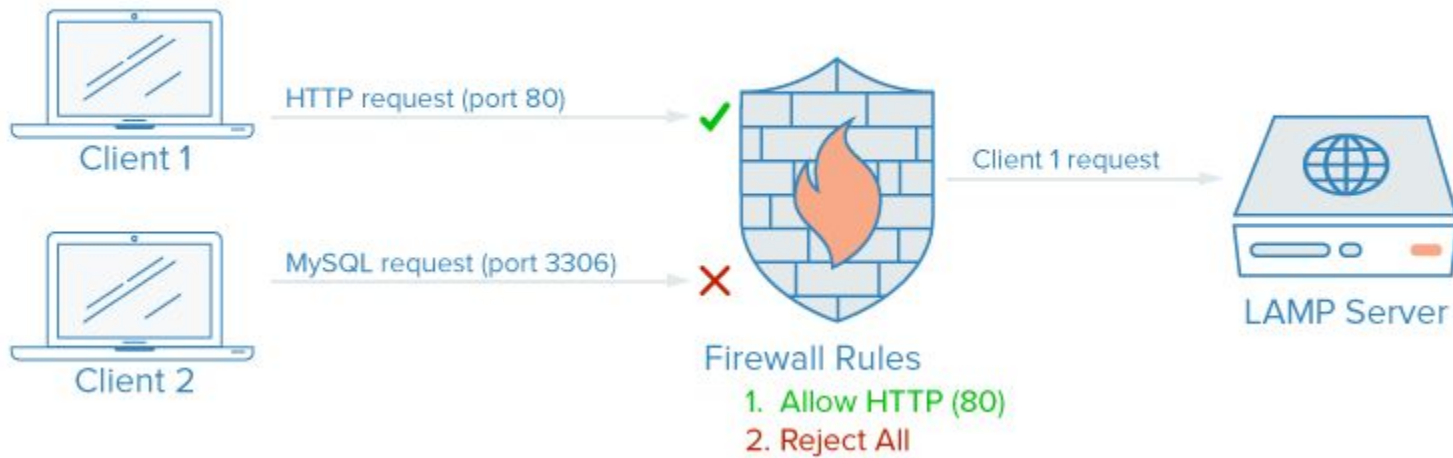
SSH Keys

SSH Key Authentication

Firewalls

Firewall

Client 1 → HTTP request (port 80) → ✔ → Client 1 request → LAMP Server

Client 2 → MySQL request (port 3306) → ✘

Firewall Rules
1. Allow HTTP (80)
2. Reject All

Virtual Private Clouds

Data Center Region

VPC 192.168.22.0/24

Development Environment

VPC 192.168.65.0/24

Staging Environment

VPC 10.0.220.0/16

Production Environment

Internet Gateway

Internet
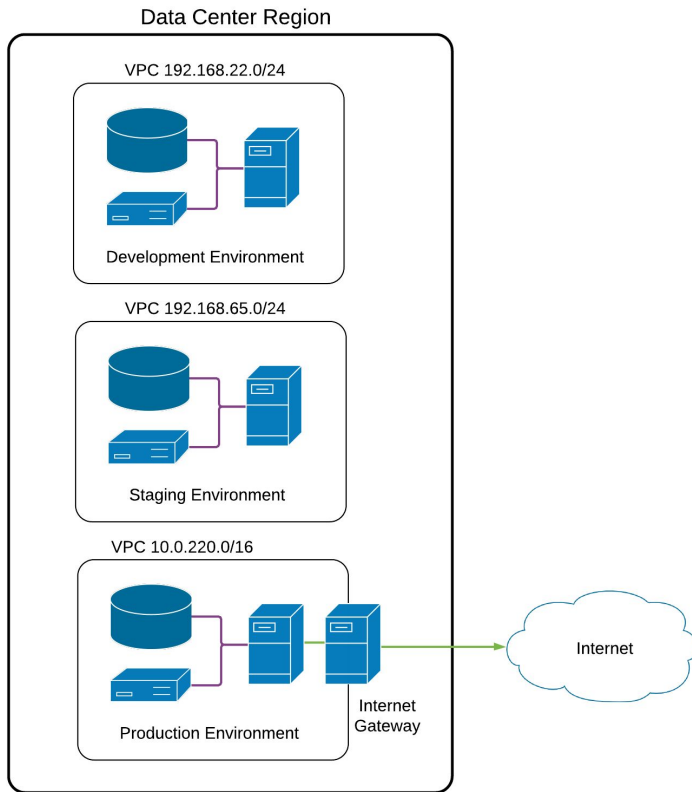
Service Auditing

Unattended Updates

Back Up Frequently

Public Key Infrastructure and SSL/TLS Encryption

SSL/TLS Encryption

User — The Internet — Plain text — HTTP Server

Encrypted — HTTPS Server

Isolated Execution Environments

Single Server vs. Isolated App and DB Servers

User — Server
http://example.com/

User — Application Server — Database Server
http://example.com/
Private Network

Coming soon

That's all for this time!

- ○ Be sure to be on the lookout for more DigitalOcean webinars/workshops like this!
- ○ Tune in every last Thursday of the month to watch more of my webinars
- ○ Try out DigitalOcean with $100 free credit for 60 days with https://do.co/mason