17 MARCH 2021

DIGITAL OCEAN

JITSI MEET

VIDEO CALL

INTRODUCTION

JITSI MEET WITH DIGITAL OCEAN

JITSI SETUP
REPORT

Jitsi Meet is a free to use Open-source library and can be integrated on any web or mobile based platform using the documentation available at their <u>website</u>. This document will focus on the following:

1. Creating a droplet

2. Configuring a domain name DNS records and connecting it to a droplet

3. Getting started with droplet configuration

4. Setting up the firewall

5. Generating key

6. Adding key to the server

7. Downloading jitsi meet

8. Connecting the droplet with ssl certificate

1. CREATING A DROPLET

Refer this blog post for creating droplet:

https://dhruvrohatgi53.medium.com/react-node-app-deployment-on-digital-ocean-cloud-using-github-5540d328b171

2. CONFIGURING A DOMAIN NAME DNS RECORDS AND CONNECTING IT TO A DROPLET

1. Visit your domain provider and go to the DNS settings of the domain name.

2. Along side open your digital ocean dashboard and click on '…' option on the droplet to access the option: Add a domain

3. Next, enter the domain name and the droplet that is to be connected and click on Add Domain button.

4. Now copy all the name servers and replace in the existing name servers(on you domain service provider) from the one given by digital ocean.

5. Now add the A records:

Hostname: @ Value: domainName

Create this record

6. Now add another A record:

HostName: www Value: domainName

Create this record

3. GETTING STARTED WITH DROPLET CONFIGURATION

4. SETTING UP THE FIREWALL

5. GENERATING KEY

6. ADDING KEY TO THE SERVER

7. DOWNLOADING JITSI MEET

8. CONNECTING THE DROPLET WITH SSL CERTIFICATE

**Steps mentioned above should be implemented using the reference table below

COMMANDS AT A GO:

SNo.	For	Command
1	Login through terminal	ssh root@xxx.xxx.xxx.xx
2	Passphrase	Enter the passphrase setup during the droplet creation
3	To update system	apt-get update
4	Firewall status	iptables -L -n
5	Firewall status(ufw)	ufw status
6	Enable Firewall	ufw enable
7	Allow ssh through firwall	ufw allow in ssh
8	Allow ssh via port 80	ufw allow in 80/tcp
9	Allow ssh via port 443	ufw allow in 443/tcp
10	Allow ssh via udp	ufw allow in 10000:20000/udp
11	Read firewall status	ufw status
12	Check Firewall	iptables -L -n
13	Download jisti key	wget https://download.jitsi.org/jitsi-key.gpg.key
14	Generate key	gpg jitsi-key.gpg.key
15	Search Key	gpg —search -keys dev@jitsi.org
16	Get key signed jitsi	gpg —list -sigs dev@jitsi.org
17	Check key validity	gpg —recv -keys {rsa key generated above}
18	Add key to server	apt-key add jitsi-key.gpg.key
19		`echo 'deb `https://download.jitsi.org` stable/' > /etc/apt/sources.list.d/jitsi—stable.list`
20	update server	apt update
21	Install jitsi	apt -y install jitsi-meet
22		/usr/share/jitsi-meet/scripts/
23	SSL Certificate	/usr/share/jitsi-meet/scripts/install-letsencrypt-cert.sh

This will setup jitsi meet on digital ocean server