Jitsi-Meet

Prerequisites

- This image assumes that you are using a reverse proxy such as jwilder/nginx-proxy and optionally the Let's Encrypt Proxy Companion @ https://github.com/JrCs/docker-letsencrypt-nginx-proxy-companion in order to serve your pages.

This is a complex series of images and relies on all packages to be working together. You will also need to open ports on your firewall (See below).

Installation

Automated builds of the image are available on Docker Hub and is the recommended method of installation.

docker pull tiredofit/jitsi-meet docker pull tiredofit/jitsi-prosody docker pull tiredofit/jitsi-videobridge docker pull tiredofit/jitsi-jicofo

Quick Start

The quickest way to get started is using docker-compose. See the examples folder for a working docker-compose.yml that can be modified for development or production use. All you will need to do is change the `HOST` and `VIRTUAL_HOST,LETSENCRYPT_HOST` variables and the system will automatically generate certificates for you and the system will function.

Set various environment variables to understand the capabilities of this image.

Map persistent storage for access to configuration and data files for backup.

Configuration

Data-Volumes

The following directories are used for configuration and can be mapped for persistent storage.

jitsi-prosody

Directory	Description
`/certs`	Needed to Automatically Generate Certificates for other containers

jitsi-videobridge

Directory	Description
`/certs`	Needed to share certificates between containers for Self Signed variants

jitsi-jicofo

Directory	Description
`/certs`	Needed to share certificates between containers for Self Signed variants

jitsi-meet

Directory	Description
`/assets/jitsi-meet`	Put your custom config.js/interfaceConfig.js in here and it will be added on bootup

Environment Variables

Below is the complete list of available options that can be used to customize your installation.

jitsi-prosody

Parameter	Description
`HOST`	Hostname of your server e.g. `meet.example.com` Should be same as all other hostnames

Parameter	Description
`JITSI_VIDEO_PASS`	Jitsi Video Bridge Secret e.g. `secret3`
`JICOFO_PASS`	Jitsi Conference Focus Secret e.g. `secret2`
`JICOFO_USER_PASS`	Jitsi Conference Focus User Secret e.g. `secret1`

jitsi-videobridge

Parameter	Description
`HOST`	Hostname of your server e.g. `meet.example.com` Should be same as all other hostnames
`PROSODY_HOST`	Container Name of your prosody server e.g. `prosody`
`JITSI_VIDEO_PASS`	Jitsi Video Bridge Secret e.g. `secret3`
`NETWORK_MODE`	Network Mode `NAT` or `HOST` - Defaults to `NAT`

jitsi-jicofo

Parameter	Description
`HOST`	Hostname of your server e.g. `meet.example.com` Should be same as all other hostnames
`PROSODY_HOST`	Container Name of your prosody server e.g. `prosody`
`JICOFO_PASS`	Jitsi Conference Focus Secret e.g. `secret2`
`JICOFO_USER_PASS`	Jitsi Conference Focus User Secret e.g. `secret1`

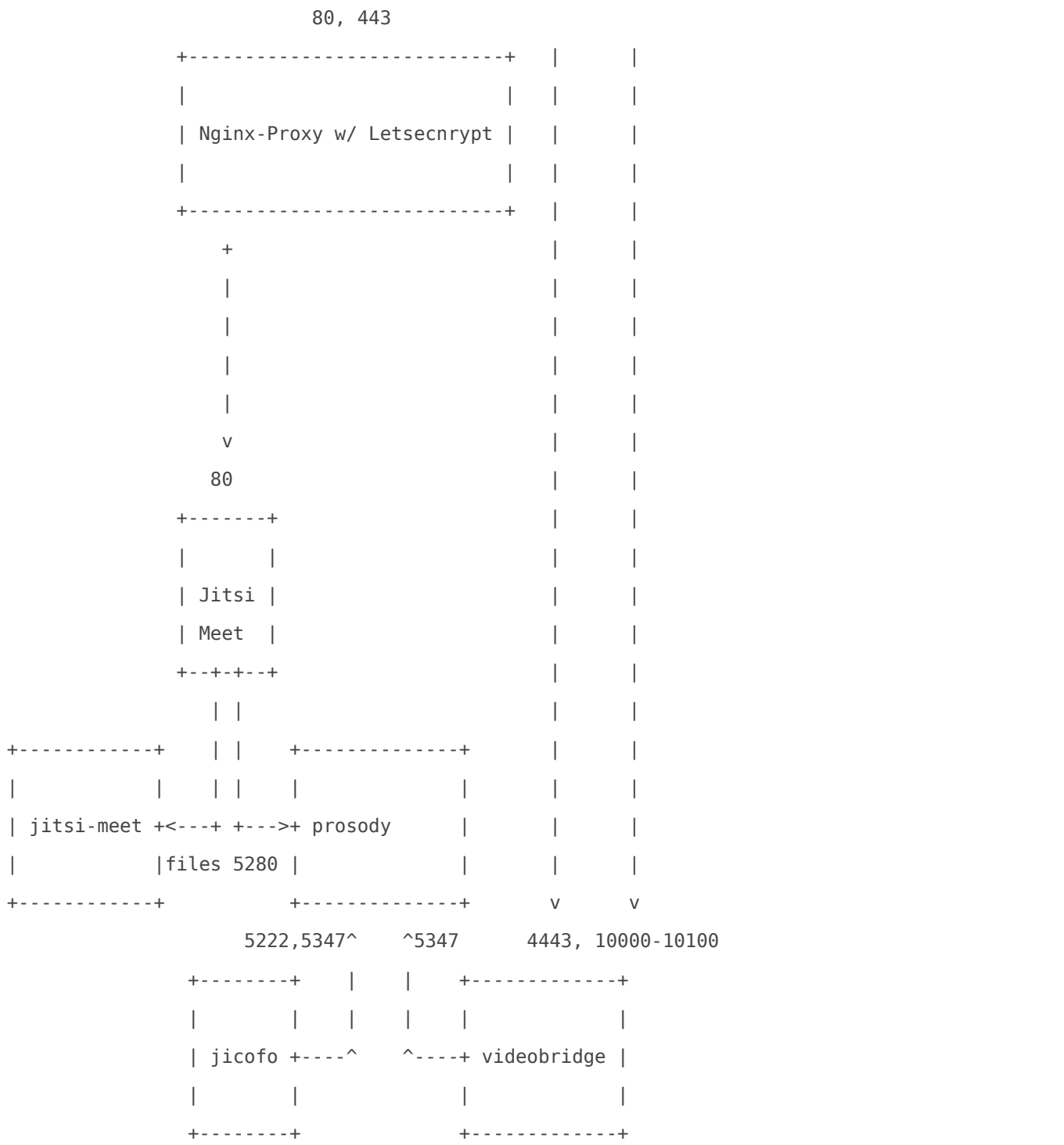
jitsi-meet

Parameter	Description
`PROSODY_HOST`	Container Name of your prosody server e.g. `prosody`

Networking

This set of images relies on network ports being exposed to the outside world. 80, 443 for the initial web proxy (which should already be handled by the `jwilder/nginx-proxy` image) and then you must open port `4443` and `10000-10100/udp` to the outside world otherwise you *will* have issues with video or audio.

See below diagram:



The following ports are exposed.

jitsi-prosody

Port	Description
`5222`	Prosody Clent Listening Port
`5280`	Prosody Server Listening Port
`5347`	Prosody Components

jitsi-videobridge

Port	Description
`443`	Jitsi Video Bridge Harvester Port
`5347`	Prosody Components
`4443`	Jitsi Video Bridge Harvester Port
`10000-20000/udp`	Web RTC / ICE

jitsi-jicofo

Port	Description
`5222`	Prosody Client Port
`5347`	Prosody Components

jitsi-meet

Port	Description
`80`	Nginx Listening Port
`5280`	Prosody Server Listening Port

Maintenance

Shell Access

For debugging and maintenance purposes you may want access the containers shell.

docker exec -it (whatever your container name is e.g. jitsi-meet) bash

References

- https://github.com/jitsi/jitsi-meet/blob/master/doc/manual-install.md

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Revision #1
Created 2024-03-01 07:44:20 UTC by Slitzer
Updated 2025-06-01 10:19:38 UTC by Slitzer