

# jibri

## docker

jibri.yml inside official docker-jitsi-meet does not work in swarm service (/dev/snd and xorg problems)

clone a version of jibri with pulse and xdumy support

[download](#)

```
git clone https://github.com/prayagsingh/docker-jibri-pulseaudio.git
```

change Dockerfile with specific chrome version

[Dockerfile](#)

```
ARG CHROME_RELEASE=96.0.4664.45
ARG CHROMEDRIVER_MAJOR_RELEASE=96
```

create empty file \${CONFIG}/conf/jibri/finalize.sh

build image

```
docker build -t "galileo/jibri:stable-6726-1" .
```

## (deprecated) on jitsi meet server

[/etc/prosody/conf.d/jibri.cfg.lua](#)

```
-- internal muc component, meant to enable pools of jibri and jigasi
clients
Component "internal.auth.csgalileo.org" "muc"
    modules_enabled = {
        "ping";
    }
    storage = "null"
    muc_room_cache_size = 1000

VirtualHost "jibri.csgalileo.org"
    modules_enabled = {
        "ping";
    }
```

```
authentication = "internal_plain"
```

```
systemctl reload prosody
systemctl status prosody
```

## jitsi

```
apt update
apt install -y curl && curl -s
"http://wiki.csgalileo.org/tips:ubuntu:locale?do=export_code&codeblock=1" |
/bin/bash
apt install nginx
wget -qO - https://download.jitsi.org/jitsi-key.gpg.key | sudo apt-key add -
echo 'deb https://download.jitsi.org stable/' >>
/etc/apt/sources.list.d/jitsi-stable.list
apt-get -y update
apt-get -y install jitsi-meet
```

Se la macchina è natata aggiungere le seguenti proprietà alla configurazione del videobridge:

```
vim /etc/jitsi/videobridge/sip-communicator.properties

org.ice4j.ice.harvest.NAT_HARVESTER_LOCAL_ADDRESS=10.45.X.X
org.ice4j.ice.harvest.NAT_HARVESTER_PUBLIC_ADDRESS=94.230.Y.Y

systemctl restart jitsi-videobridge.service
systemctl restart jicofo
```

## HAProxy

global

```
stats socket /tmp/haproxy
lua-load /etc/haproxy/routing.lua
```

defaults

```
timeout connect 5000
timeout client 50000
timeout server 50000
timeout check 10000
log global
option httplog
mode http
```

```
option dontlognull
```

frontend ft\_http

```
bind :80
use_backend %[lua.custom_router]
option forwardfor header X-Real-IP
default_backend bk_http_default
```

frontend ft\_https

```
bind *:443 ssl crt /etc/haproxy/cert.pem alpn h2,http/1.1
option forwardfor header X-Real-IP
option httpchk
use_backend %[lua.custom_router]
default_backend bk_https_default
http-response set-header Strict-Transport-Security max-age=31536000;\
includeSubdomains;\ preload
http-response set-header X-Frame-Options sameorigin
http-response set-header X-Content-Type-Options nosniff
http-response set-header X-XSS-Protection 1;mode=block
http-response set-header Referrer-Policy no-referrer-when-downgrade
```

backend bk\_http\_default

```
mode http
server s1 94.230.76.84:8080 check id 1
```

backend bk\_http

```
mode http
server s2 localhost:8080 check id 2
```

backend bk\_https

```
mode http
server s2 localhost:4444 check ssl verify none
server s1 94.230.76.84:4444 check ssl verify none backup
```

backend bk\_https\_default

```
mode http
server s1 94.230.76.84:4444 check ssl verify none
server s2 localhost:4444 check ssl verify none backup
```

**routing.lua**

```
local function router(txn, value)
    local fe_name = txn.f:fe_name()
```

```
local fe_room = txn.f:url_param("room")
local fe_char = fe_room:byte(1)
core.Debug("Returning bk_https \n")
core.Debug(fe_name)
core.Debug(fe_room)
core.Debug(fe_char)
if fe_char % 2 == 1 then
  if fe_name == "ft_https" then
    core.Debug("Returning bk_https \n")
    return "bk_https"
  else
    core.Debug("Returning bk_http \n")
    return "bk_http"
  end
else
  if fe_name == "ft_https" then
    core.Debug("Returning bk_https \n")
    return "bk_https_default"
  else
    core.Debug("Returning bk_http \n")
    return "bk_http_default"
  end
end
end
end

core.register_fetches("custom_router", router)
```

## Prosody - upgrade last version

Versione da 0.10.x (Bionic) a 0.11.5

Eeguire preventivamente il backup delle configurazioni in /etc/prosody, /var/lib/prosody.

```
echo deb http://packages.prosody.im/debian $(lsb_release -sc) main | sudo
tee -a /etc/apt/sources.list
wget https://prosody.im/files/prosody-debian-packages.key -O- | sudo apt-key
add -
apt-get update
apt-get install prosody
```

Modificare lo storage in /etc/prosody/conf.d/meet.x.y.lua sostituendo storage=None con storage='memory in tutti i servizi dove è dichiarato.

Correggere il permesso di lettura al certificato:

```
chmod +r /etc/prosody/certs/localhost.key
```

Eeguire update-ca-certificates -f se al riavvio di prosody nei log viene riportato:

```
javax.net.ssl.SSLHandshakeException:
```

```
sun.security.validator.ValidatorException: PKIX path validation failed:  
java.security.cert.CertPathValidatorException
```

Eeguire un controllo della porta 5347, se non è in ascolto controllare che in fondo a /etc/prosody/prosody.cfg.lua vi sia la riga Include "conf.d/\*.cfg.lua"

Decomentare in /etc/prosody/prosody.cfg.lua eventualmente la riga

```
"posix"; -- POSIX functionality, sends server to background, enables syslog,  
etc.
```

Abilitare in /etc/prosody/prosody.cfg.lua la tipologia di backend epoll:

```
admins = { }  
network_backend = "epoll"
```

Riavviare i servizi:

```
systemctl restart prosody  
systemctl restart jicofo  
systemctl restart jitsi-videobridge2
```

Controllare i logs di questi servizi per eventuali altre sorprese.

## LDAP in seguito upgrade

Se si esegue l'upgrade di prosody la versione di lua viene cambiata da 5.1 a 5.2 e l'autenticazione LDAP cessa di funzionare.

Installare luarocks

```
apt-get install liblua5.2-dev  
cd /tmp  
wget https://github.com/luarocks/luarocks/archive/master.zip .  
unzip master.zip  
cd luarocks-master/  
./configure --lua-version=5.2  
make build  
make install
```

Installare le dipendenze per LDAP

```
apt-get install libldap2-dev  
apt-get install libssl1.0-dev # Questa non c'e' più in ubuntu 20  
luarocks install lualdap  
luarocks install luacrypto  
luarocks install jwt-jitsi
```

Inserire in /etc/prosody/prosody.cfg.lua:

```
consider_bosh_secure = true
```

Riavviare i servizi.

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Permanent link:  
<https://wiki.csgalileo.org/tips/jibri>

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