Instalação do Servidor Padrão – Portal.lstimelapses – Ubuntu 22

UBUNTU 22

NGINX, PHP-FPM , PHP8 , VSFTPD, FFMPEG, HTOP, POSTFIC

CHANGE NAME AND UPDATE

```
hostnamectl set-hostname portal5.lstimelapses.com.br
hostnamectl set-hostname portal5.lstimelapses.com.br –pretty
```

```
apt install vim
```

```
vi /etc/hosts
Mude o hostname para o escolhido
```

```
reboot
```

```
sudo timedatectl set-timezone America/Sao_Paulo
```

```
apt update
apt upgrade
```

```
apt install net-tools
sudo apt install iputils-ping
sudo apt-get install open-vm-tools
apt install rsync
```

```
apt install cron
apt install nmap
apt install telnet
```

ATUALIZE O UBUNTU

```
apt-get update && apt-get upgrade
```

NTP

```
sudo apt-get install ntp ntpdate
```

```
service ntp stop && ntpdate a.st1.ntp.br && service ntp start && systemctl enable ntp
```

TROQUE O IP DO SERVIDOR

```
vi /etc/netplan/00-installer-config.yaml
```

Coloque igual abaixo

```
network:
  ethernets:
    ens34:
     addresses:
       – 10.11.12.105/24
     routes:
       – to: default
         via: 10.11.12.1
     nameservers:
       addresses: [8.8.8.8,8.8.4.4]
```

```
netplan apply
```

```
vi /etc/systemd/resolved.conf
[Resolve]
DNS=10.11.12.1 192.168.180.1 8.8.8.8 8.8.4.4
sudo systemctl restart systemd-resolved.service
sudo systemctl enable systemd-resolved.service
```

FAÇA O HARDENING THE SERVER

```
apt clean
apt autoremove
adduser lst
adduser lst sudo
id lst
Faça logout
Faça login como lst
sudo -i
vi /etc/ssh/sshd_config
PermitRootLogin no
reboot
Tente login como root para testar
```

```
#Permitir ao usuario lst fazer shutdown
addgroup wheel
usermod -a -G wheel lst
```

```
#Permitir o usuario não precisar fazer sudo
usermod -aG sudo lst
```

```
vi /etc/sudoers
```

Add line:
%wheel ALL= NOPASSWD: /sbin/shutdown, /sbin/reboot

INSTALAR O ZABBIX CLIENT

Instale o repositório Zabbix

documentação

```
wget https://repo.zabbix.com/zabbix/6.4/ubuntu/pool/main/z/zabbix-release/zabbix-release_6.4-1+ubuntu22.04_all.deb
```

```
dpkg -i zabbix-release_6.4-1+ubuntu22.04_all.deb
```

```
apt update
```

b. Install Zabbix agent2

```
apt install zabbix-agent2 zabbix-agent2-plugin-*
```

c. Start Zabbix agent2 process

Start Zabbix agent2 process and make it start at system boot.

systemctl restart zabbix-agent2

systemctl enable zabbix-agent2

Configure o parametro SERVER em
vi /etc/zabbix/zabbix_agent2.conf

PidFile=/var/run/zabbix/zabbix_agent2.pid
LogFile=/var/log/zabbix/zabbix_agent2.log
LogFileSize=0
Server=10.11.12.106
ServerActive=10.11.12.106
Hostname=mysql1.lstimelapses.com.br
Include=/etc/zabbix/zabbix_agent2.d/*.conf
PluginSocket=/run/zabbix/agent.plugin.sock
ControlSocket=/run/zabbix/agent.sock
Include=./zabbix_agent2.d/plugins.d/*.conf
AllowKey=system.run[‘retornaDataHoraUltimoBackupDB_lstimelapses.sh’,*]

systemctl restart zabbix-agent2

Crie o host no zabbix

CONFIGURE O BACKUP DO SERVIDOR NO VMWARE (SE APLICÁVEL)

https://controles.lstimelapses.com.br/vmware-esxi-backup-e-restore-de-vms/

vi /etc/rc.local.d/local.sh

adicione a linha e troque o horário e o nome da VM

/bin/echo “**00 05** * * * /bin/sh /vmfs/volumes/9f07758c-31382dda-0000-000000000000/VMS/ghettoVCB/ghettoVCB.sh -m **vmsmtp1.lst** > /vmfs/volumes/9f07758c-31382dda-0000-000000000000/VMS/ghettoVCB/logBackup-**vmsmtp1**-$(date +\%s).log” >> /var/spool/cron/crontabs/root

INSTALAR NGINX AND PHP AND PHP-FPM

```
apt install nginx
sudo systemctl enable nginx
service nginx start
```

```
sudo apt install –no-install-recommends php8.2
```

```
sudo apt install -y php8.2-cli php8.2-fpm php8.2-common php8.2-mysql  php8.2-zip php8.2-gd php8.2-mbstring php8.2-curl php8.2-xml php8.2-bcmath php8.2-soap php8.2-sqlite3 php8.2-pdo-sqlite php8.2-mbstring openssl
```

```
useradd –no-create-home nginx
#Para liberar sessions no php
chmod 777 -R /var/lib/php/
chown -R nginx:nginx /var/lib/php/sessions
```

```
sudo systemctl disable httpd
```

```
systemctl enable php8.2-fpm
service php8.2-fpm stop
Adicione o usuario nginx ao grupo www-data
sudo usermod -a -G www-data nginx
```

```
systemctl restart php8.2-fpm
```

SSL – CERTBOT – LETSENCRYPT

```
apt install certbot
systemctl stop nginx
sudo certbot certonly –standalone
Ex: monitoramento.lstimelapses.com.br, portal7.lstimelapses.com.br
```

Faça o teste do renew
sudo certbot renew –dry-run

systemctl start nginx

COPIAR PASTAS DO SITE PORTAL
cp /etc/nginx/nginx.conf /etc/nginx/nginx.conf.bkp
scp **portal8.lstimelapses.com.br**:/etc/nginx/conf.d/*.conf /etc/nginx/conf.d

Verifique em cada .conf se o sock está correto
fastcgi_pass unix:**/run/php/php8.1-fpm.sock**;

FTP

apt install vsftpd
systemctl start vsftpd && systemctl enable vsftpd && useradd ftpcameras
passwd ftpcameras

Coloque a senha padrão de câmeras

echo -e '#!/bin/sh\necho "This account is limited to FTP access only."' |
sudo tee -a /bin/ftponly
sudo chmod a+x /bin/ftponly
echo "/bin/ftponly" | sudo tee -a /etc/shells
sudo usermod ftpcameras -s /bin/ftponly

Edite o arquivo de configuração
vi /etc/vsftpd.conf

e adicione/libere

```
chroot_local_user=YES
write_enable=YES
local_umask=022
allow_writeable_chroot=YES
```

Exemplo do portal8
listen=NO

```
listen_ipv6=YES
anonymous_enable=NO
local_enable=YES
write_enable=YES
local_umask=022
dirmessage_enable=YES
use_localtime=YES
xferlog_enable=YES
connect_from_port_20=YES
chroot_local_user=YES
secure_chroot_dir=/var/run/vsftpd/empty
pam_service_name=vsftpd
rsa_cert_file=/etc/ssl/certs/ssl-cert-snakeoil.pem
rsa_private_key_file=/etc/ssl/private/ssl-cert-snakeoil.key
ssl_enable=NO
allow_writeable_chroot=YES
```

```
systemctl restart vsftpd
```

Troque o home do usuario ftpcameras para /cameras no /etc/passwd

ftpcameras:x:1000:1000::**/cameras**:/bin/ftponly

SFTPCAMERAS

```
useradd sftpcameras
vi /etc/passwd
```

Troque o home do usuario sftpcameras para /cameras no /etc/passwd

sftpcameras:x:1000:1000::**/cameras**:/bin/ftponly

Coloque o usuario sftpcameras no grupo ftpcameras

```
usermod -a -G ftpcameras sftpcameras
```

Crie a pasta das cameras

```
mkdir /cameras
chown -R ftpcameras:ftpcameras /cameras
chmod -R a+rwx /cameras
chmod -R og+x /cameras
```

USUÁRIO DE BACKUP

```
useradd backuplstz
passwd backuplstz
```

```
usermod -a -G ftpcameras backuplstz
usermod -a -G nginx backuplstz
```

PREPARAR PASTAS PORTAL TIMELAPSES E CAMERAS

```
mkdir /portal
mkdir /TIMELAPSES
chmod -R 775 /portal
chown -R nginx:nginx /portal/
chown -R nginx:nginx /TIMELAPSES
chmod -R 775 /TIMELAPSES
```

COPIAR O PORTAL DE OUTRO LOCAL PARA O SERVIDOR NOVO

scp -r **portal5.lstimelapses.com.br**:/portal /

TROQUE O NOME DO PORTAL NO ARQUIVO DE CONFIGURAÇÃO

ex: trocar de **portal5** para **portal6**

sed -i ‘s/**portal5**/**portal6**/’ /portal/html/LST-settings.ini

COPIE OS SCRIPTS DE OUTRO LOCAL PARA O SERVIDOR NOVO

```
mkdir /scripts
scp -r portal5.lstimelapses.com.br:/scripts /
```

TROQUE O NOME DO PORTAL NOS SCRIPTS

ex: trocar de **portal5** para **portal6** em todos os scripts .sh

sed -i ‘s/**portal5**/**portal6**/’ /scripts/*.sh

RSYNC

apt install rsync

ssh-keygen -t rsa -b 4096 (ENTER EM TUDO – NO PASSPHRASE)

Adicione as chaves criadas para o servidor de destino

cat ~/.ssh/id_rsa.pub | ssh -p 65200 **rsync@dscasavv.synology.me** “cat >> ~/.ssh/authorized_keys”

Faça um teste do rsync para ver se vai funcionar sem senha

#Rsync da pasta /scripts

rsync -e “ssh -p 65200” -azrvh /scripts rsync@dscasavv.synology.me:/volume1/RSYNC-

LSTIMELAPSES/portal7.lstimelapses.com.br

Verifique se chegou certinho no servidor synology

FFMPEG e CPULIMIT

sudo apt install ffmpeg
apt install cpulimit

CRIAR O CRONTAB COM OS SCRIPTS

Copia o crontab de outro portal *scp portal5.lstimelapses.com.br:/scripts/crontabAtual /scripts*

`crontab < /scripts/crontabAtual`

PARA FINALIZAR E COLOCAR O PORTAL NO AR

VERIFICAR se estão pegando todas as câmeras
/portal/html/restrito/scripts/indexar-cameras-geral.sh
/portal/html/restrito/scripts/indexar-cameras-parcial.sh
/portal/html/restrito/scripts/verificar-cameras-enviando-imagens-para-admins.sh
/portal/html/restrito/scripts/verificar-cameras-enviando-imagens-para-clientes.sh

HABILITAR O FIREWALL

reboot

INSTALAR O IMAGEMAGICK e o EXIV2 para adicionar o timestamp

apt install imagemagick
apt install exiv2

FIREWALL

```
sudo ufw default deny incoming
sudo ufw default allow outgoing
```

```
sudo ufw app list
sudo ufw allow OpenSSH
sudo ufw allow ssh
sudo ufw allow http
sudo ufw allow https
sudo ufw allow ftp
 sudo ufw allow 10050:10051/tcp
```

```
sudo ufw show added
```

sudo ufw enable
ufw reload

INSTALAR O DRIVER ODBC
https://www.zabbix.com/documentation/current/en/manual/config/items/itemtypes/odbc_checks

FAZER O BACKUP DO MYSQL
`apt-get install automysqlbackup`

`o backup fica em /var/lib/automysqlbackup/daily`

TESTAR TODOS OS SERVIÇOS

INSTALAR SMTP SERVER (postifx, spf, dkim) (SE APLICÁVEL)

https://www.linuxbabe.com/mail-server/setup-basic-postfix-mail-sever-ubuntu

TESTE o SMTP SERVER
apt-get install pflogsumm

ANALISAR O LOG DO EMAIL SERVER
pflogsumm -d today /var/log/mail.log

ONEDRIVE
https://github.com/abraunegg/onedrive/blob/master/docs/USAGE.md#using-the-client

Comando para sincronizar uma pasta
onedrive –synchronize –single-directory ‘CLIENTES/MARUCCI/GESTAMP1’ –resync