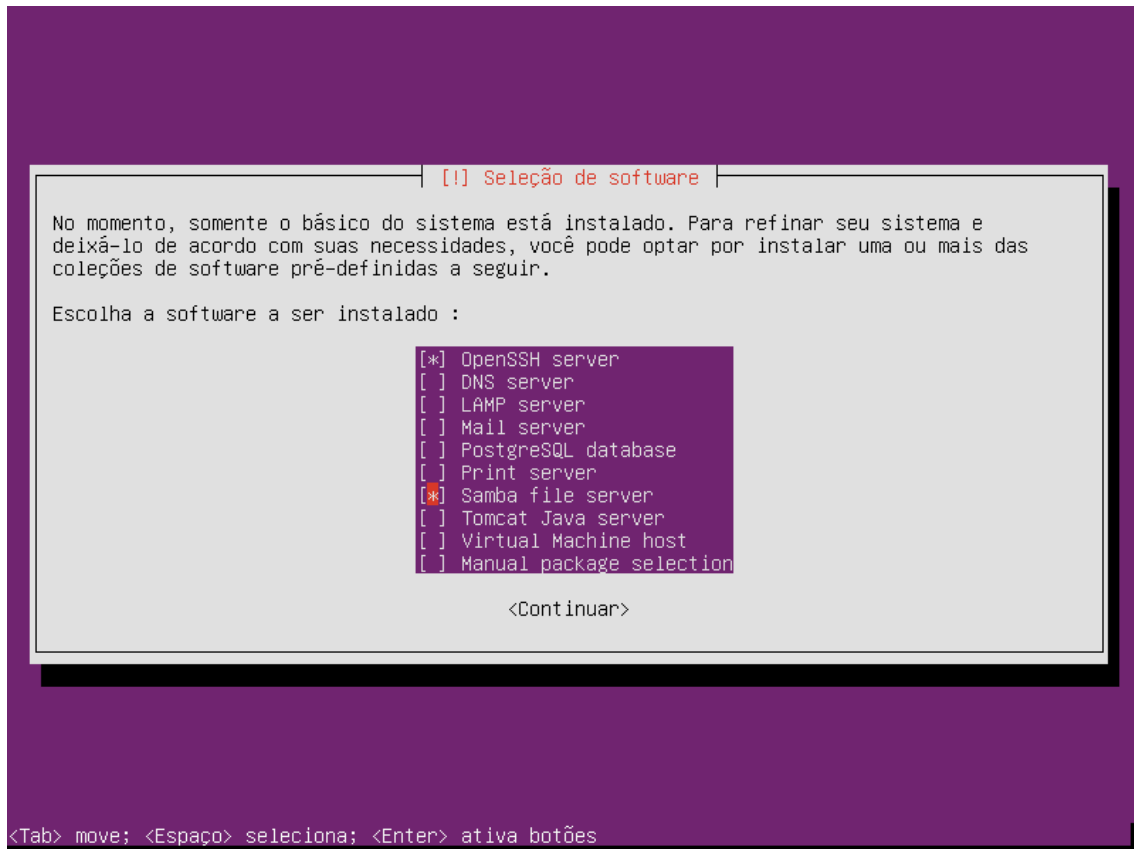


# DOCUMENTAÇÃO DE INSTALAÇÃO OCR-SERVER NO UBUNTU SERVER 14.04.5 LTS



- **Atualizar o Ubuntu:**

`aptitude update && aptitude upgrade -y && aptitude update && aptitude dist-upgrade -y`

- **Criando a pasta que recebera os arquivos de instalação:**

`mkdir /Share && chown nobody -R /Share && chmod 755 -R /Share`

- **Limpar comentários do arquivo de configuração do samba e editá-lo:**

`mv /etc/samba/smb.conf /etc/samba/smb_orig.conf && grep -o '^[^#]*'  
/etc/samba/smb_orig.conf > /etc/samba/smb.conf && vim /etc/samba/smb.conf`

**Ao final do arquivo adicione:**

```
[Share]
comment = Compartilhamento
path = /Share
browseable = yes
read only = no
guest ok = yes
```

- **Execute:**

```
smbd -s --configfile=/etc/samba/smb.conf
```

## **INSTALANDO OS PRÉ-REQUISITOS DO PERL:**

- **Execute:**

```
cpan install File::Touch module File::Find::Rule File::Basename File::Copy File::Path File::Touch
Sys::Syslog Sys::Hostname IPC::Open3 IO::Select POSIX
```

- **Instale os seguintes recursos:**

```
aptitude install g++ autoconf automake libtool autoconf-archive pkg-config libpng-dev libjpeg8-dev
libtiff5-dev zlib1g-dev libicu-dev libpango1.0-dev libcairo2-dev libpng12-dev libjpeg62-dev libtiff4-dev
zip unzip build-essential cmake libtool yasm pkg-config subversion git libgcj14 libtiff-dev libpng-dev
libopenjpeg-dev libjpeg8-dev libjpeg-turbo8-dev libjpeg-dev libgif-dev zlib1g-dev libicu-dev
libpango1.0-dev libcairo2-dev libfontconfig1-dev libgettextpo-dev libcurl-dev libnss3-dev ocaml libgcj
gcj-jdk -y
```

```
aptitude install libfile-find-rule-perl libfile-find-rule-perl-perl libtiff5 libpng12-0 libopenjpeg2 libjpeg-
turbo8 libgif4 zlib1g libicu52 libpango1.0-0 libcairo2 fontconfig imagemagick gettext libwebp5 libgcj14
libtiff5 libpng12-0 libopenjpeg2 libjpeg8 libjpeg-turbo8 libjpeg8 zlib1g libpango1.0-0 libcairo2
libfontconfig1 libgettextpo0 ghostscript sysv-rc-conf -y
```

```
apt-get remove ghostscript -y
```

- **Copie a pasta ocr-server para a pasta compartilhada Share**

## **INSTALAÇÃO DOS PRÉ-REQUISITOS**

- **Ghostscript**

```
cd /Share/ocr-server/pre-requisitos/ghostscript-9.22
```

```
./autogen.sh
```

```
make && make install
```

- **Cpdf**

```
cd ../cpdf/pre-requisitos/findlib-1.7.3
```

```
./configure && make && make install
```

```
cd ../camlpdf-2.2.1
```

```
make && make install
```

```
cp /Share/ocr-server/ocr-server.git/usr/local/bin/cpdf /usr/local/bin/cpdf
```

```
chmod 777 -R /usr/local/bin/cpdf
```

- **Instalando o pdftk:**

```
cd /Share/ocr-server/pre-requisitos/pdftk-2.02-dist/pdftk
```

```
make all -f Makefile.Debian && make install -f Makefile.Debian
```

- **Instalando o poppler-utils:**

```
cd ../../poppler-0.42.0
```

```
./configure && make && make install
```

- **Instalando o tesseract:**

```
cd ../tesseract/leptonica/pre-requisitos/plotlib-1.2/src
```

```
make all && make install
```

```
cd ../prog
```

```
make all && make install
```

```
cd /Share/ocr-server/pre-requisitos/tesseract/leptonica/leptonica-1.74.4
```

```
./configure && make && make install
```

```
cd ../../tesseract-master
```

```
./autogen.sh && ./configure && make && make install
```

```
cp /Share/ocr-server/pre-requisitos/tesseract/tesseract-master/tessdata/eng.traineddata  
/usr/local/share/tessdata/eng.traineddata && cp /Share/ocr-server/pre-  
requisitos/tesseract/tesseract-master/tessdata/por.traineddata  
/usr/local/share/tessdata/por.traineddata && cp /Share/ocr-server/pre-  
requisitos/tesseract/tesseract-master/tessdata/equ.traineddata  
/usr/local/share/tessdata/equ.traineddata && cp /Share/ocr-server/pre-  
requisitos/tesseract/tesseract-master/tessdata/osd.traineddata  
/usr/local/share/tessdata/osd.traineddata
```

```
/sbin/ldconfig
```

- **Instalando o OCR**

```
cp /Share/ocr-server/ocr-server.git/usr/local/bin/ocr /usr/local/bin/ocr && cp /Share/ocr-server/ocr-server.git/etc/init.d/ocr-ubuntu /etc/init.d/ocr && mkdir -p /var/ocr-server/Entrada && mkdir -p /var/ocr-server/Erro && mkdir -p /var/ocr-server/Originais_Processados && mkdir -p /var/ocr-server/Saida && chown nobody -R /var/ocr-server/Entrada && chmod 777 /var/ocr-server/Entrada && chown nobody -R /var/ocr-server/Originais_Processados && chmod 777 /var/ocr-server/Originais_Processados && chown nobody -R /var/ocr-server/Erro && chmod 777 /var/ocr-server/Erro && chown nobody -R /var/ocr-server/Saida && chmod 777 /var/ocr-server/Saida
```

- **Edite o arquivo /etc/samba/smb.conf**

```
vim /etc/samba/smb.conf
```

[Entrada]

```
path = /var/ocr-server/Entrada
browseable = yes
read only = no
guest ok = yes
```

[Saida]

```
path = /var/ocr-server/Saida
browseable = yes
read only = no
guest ok = yes
```

[Originais Processados]

```
path = /var/ocr-server/Originais_Processados
browseable = yes
read only = no
guest ok = yes
```

[Erro]

```
path = /var/ocr-server/Erro
browseable = yes
read only = no
guest ok = yes
```

- **Agora execute:**

```
smbd -s --configfile=/etc/samba/smb.conf
```

- **Habilitando na Inicialização do Sistema**

sysv-rc-conf

SysV Runlevel Config -: stop service =/+: start service h: help q: quit								
service	1	2	3	4	5	0	6	S
acpid	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
apparmor	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[X]
apport	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
atd	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
console-s\$	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
cron	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
dbus	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
dns-clean	[X]	[X]	[X]	[X]	[X]	[ ]	[ ]	[ ]
friendly-\$	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
grub-comm\$	[ ]	[X]	[X]	[X]	[X]	[ ]	[ ]	[ ]
halt	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[ ]	[ ]
irqbalance	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
killprocs	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
kmod	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
networking	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
nmbd	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
ocr	[ ]	[X]	[X]	[X]	[X]	[ ]	[ ]	[ ]
ondemand	[ ]	[X]	[X]	[X]	[X]	[ ]	[ ]	[ ]
pppd-dns	[X]	[X]	[X]	[X]	[X]	[ ]	[ ]	[ ]
procps	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
rc.local	[ ]	[X]	[X]	[X]	[X]	[ ]	[ ]	[ ]
reboot	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[ ]
resolvconf	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
rsync	[ ]	[X]	[X]	[X]	[X]	[ ]	[ ]	[ ]
rsyslog	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
samba	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
samba-ad-\$	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
screen-cl\$	[ ]	[X]	[X]	[X]	[X]	[ ]	[ ]	[ ]
sendsigs	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[ ]
single	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
smbd	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
ssh	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
sudo	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
udev	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
umountfs	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[ ]
umountroot	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[ ]
unattended\$	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
urandom	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[X]
winbind	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Use the arrow keys or mouse to move around.      ^n: next pg      ^p: prev pg  
space: toggle service on / off

**AGORA REINICIE O COMPUTADOR:**

reboot