ODOO18 INSTALLATION

Step 1: Open the terminal and update the repository

sudo apt update && sudo apt upgrade –y

Step 2: Install python 3.10 and their requirements

sudo apt install git python3-pip build-essential wget python3-dev python3-venv \

libxml2-dev libxslt1-dev zlib1g-dev libsasl2-dev libldap2-dev \

libpq-dev libjpeg-dev libpng-dev libffi-dev libssl-dev libmysqlclient-dev \

libjpeg8-dev liblcms2-dev libblas-dev libatlas-base-dev libopenblas-dev \

libpq-dev postgresql –y

Step 3: Setup PostgreSQL

sudo service postgresql start

sudo -u postgres createuser --createdb --username postgres --no-createrole --no-superuser odoo

Step 4: Create a System User for Odoo

sudo adduser --system --home=/opt/odoo --group odoo

Step 5: Clone Odoo Source Code

sudo su - odoo

git clone https://www.github.com/odoo/odoo --depth 1 --branch 18.0 --single-branch odoo18

exit

Step 6 : Create a Virtual Environment

cd /opt/odoo

python3 -m venv venv310

source venv310/bin/activate

Step 7 : Install Python Dependencies

pip install --upgrade pip wheel

pip install -r odoo18/requirements.txt

Step 8 : Create a Configuration File

cp /opt/odoo/odoo18/debian/odoo.conf /etc/odoo.conf

sudo nano /etc/odoo.conf

Coding:

[options]

admin_passwd = admin

db_host = False

db_port = False

db_user = odoo

db_password = False

addons_path = /opt/odoo/odoo18/addons

logfile = /var/log/odoo/odoo.log

Step 9: Open sudo vim /etc/init.d/odoo18-server

In that copy and paste:

```
#!/bin/sh
#############################################################
########## +-+-+-+-+-+-+-+ +-+-+-+-+-+-+-+-+-+ +-+##########
########## Technaureus Info Solutions Pvt Ltd ##########
########## +-+-+-+-+-+-+-+ +-+-+-+-+-+-+-+-+-+ +-+##########
#############################################################
### BEGIN INIT INFO
# Provides: odoo-server
# Required-Start: $remote_fs $syslog
# Required-Stop: $remote_fs $syslog
# Should-Start: $network
# Should-Stop: $network
# Default-Start: 2 3 4 5
# Default-Stop: 0 1 6
# Short-Name: Odoo start/stop script for Ubuntu
# Author: Technaureus Info Solutions Pvt Ltd.
# Website: https://technaureus.com
# Description: Using this script, we can start/stop/restart
# or check status of odoo server.
#
# Copyright(c)-2016-Present Technaureus Info Solutions Pvt. Ltd.
# All Rights Reserved.
### END INIT INFO
```

```
 PATH=/bin:/sbin:/usr/bin
 NAME=odoo18-server
 DESC=ODOO18-SERVER
 # Specify the daemon path for Odoo server.
 # (Default for ODOO >=10: /opt/odoo/odoo-bin)
 # (Default for ODOO <=9: /opt/odoo/openerp-server)
 DAEMON=/opt/odoo18/odoo/odoo-bin
 CONFIGFILE="/etc/odoo18-server.conf" # Specify the Odoo Configuration file
path.
USER=odoo18 # Specify the user name (Default: odoo).
PIDFILE=/var/run/$NAME.pid # pidfile
# Additional options that are passed to the Daemon.
DAEMON_ARGS="-c $CONFIGFILE"
display() {
RED=$(tput setaf 1)
GREEN=$(tput setaf 2)
NORMAL=$(tput sgr0)
col=$(tput cols)
case "$#" in
1)
if [ $1 -eq 0 ] ; then
printf '%s%*s%s' "$GREEN" $col "[ OK ] " "$NORMAL"
else
printf '%s%*s%s' "$RED" $col "[FAIL] " "$NORMAL"
fi
;;
2)
```

```
if [ $1 -eq 0 ] ; then
echo "$GREEN* $2$NORMAL"
else
echo "$RED* $2$NORMAL"
fi
;;
*)
echo "Invalid arguments"
exit 1
;;
esac
}
if ! [ -x $DAEMON ] ; then
echo "Error in ODOO Daemon file: $DAEMON"
echo "Possible error(s):"
display 1 "Daemon File doesn't exists."
display 1 "Daemon File is not set to executable."
exit 0;
fi
if ! [ -r $CONFIGFILE ] ; then
echo "Error in ODOO Config file: $CONFIGFILE"
echo "Possible error(s):"
display 1 "Config File doesn't exists."
display 1 "Config File is not set to readable."
exit 0;
fi
if ! [ -w $PIDFILE ] ; then
```

```
touch $PIDFILE || echo "Permission issue: $PIDFILE" && exit 1
chown $USER: $PIDFILE
fi
# Function that starts the daemon/service
do_start() {
echo $1
check_status
procs=$?
if [ $procs -eq 0 ] ; then
start-stop-daemon --start --quiet --pidfile ${PIDFILE} \
--chuid ${USER} --background --make-pidfile \
--exec ${DAEMON} -- ${DAEMON_ARGS}
return $?
else
detailed_info "${DESC} is already Running !!!" $procs
exit 1
fi
}
# Function that stops the daemon/service
do_stop() {
echo $1
check_status
if [ $? -ne 0 ] ; then
start-stop-daemon --stop --quiet --pidfile ${PIDFILE}
return $?
else
display 0 "${DESC} is already Stopped. You may try: $0 force-restart"
```

```
exit 1
fi
}
get_pids(){
pids=$(ps -Ao pid,cmd | grep $DAEMON | grep -v grep | awk '{print $1}')
return $pids
}
# Function that checks the status of daemon/service
check_status() {
echo $1
# start-stop-daemon --status --pidfile ${PIDFILE}
status=$(ps -Ao pid,cmd | grep $DAEMON | grep -v grep | awk '{print $1}' | wc -l)
return $status
}
# Function that forcely-stops all running daemon/service
force_stop() {
echo $1
pids=$(ps -Ao pid,cmd | grep $DAEMON | grep -v grep | awk '{print $1}')
if [ ! -z "$pids" ] ; then
kill -9 $pids
fi
return $?
}
```

```
detailed_info() {
procs=$2
if [ $procs -eq 1 ] ; then
display 0 "$1"
echo "FINE, ${procs} ${DESC} is Running."
echo "Details :"
pid=`cat $PIDFILE`
echo "Start Time : $(ps -p $pid -wo lstart=)"
echo "Total UpTime: $(ps -p $pid -wo etime=)"
echo "Process ID : ${pid}"
echo ""
else
display 1 "WARNING !!!"
display 1 "${procs} ${DESC}s are Running !!!"
pids=$(ps -Ao pid,cmd | grep $DAEMON | grep -v grep | awk '{print $1}')
echo "Details :"
echo -n "Process IDs : "
echo $pids
# echo $pids | tr ' ' ,
echo "In order to fix, Hit command: $0 force-restart"
echo ""
fi
}
case "$1" in
start)
do_start "Starting ${DESC} "
display $?
```

```
;;
stop)
do_stop "Stopping ${DESC} "
display $?
;;
status)
check_status "Current Status of ${DESC}:"
procs=$?
if [ $procs -eq 1 ] ; then
detailed_info "RUNNING" $procs
elif [ $procs -eq 0 ] ; then
display 1 "STOPPED"
else
detailed_info "" $procs
fi
;;
restart|reload)
do_stop "Stopping ${DESC} "
display $?
sleep 1
do_start "Starting ${DESC} "
display $?
;;
force-restart)
force_stop "Forcely Restarting ${DESC} "
sleep 1
do_start "Starting ${DESC} "
```

```
display $?
;;
force-stop)
force_stop "Forcely Stopping all running ${DESC} "
display $?
;;
cs)
ps -Ao pid,cmd | grep $DAEMON | grep -v grep | awk '{print $1}' | wc -l
;;
*)
display 1 "Usage: $0 {start|stop|restart/reload|status|force-restart|force-stop}"
exit 1
;;
esac
Exit 0
```

Step 10 : Save and exit

```
sudo chmod 755 /etc/init.d/odoo18-server

sudo chown root: /etc/init.d/odoo18-server

sudo /etc/init.d/odoo18-server start

sudo /etc/init.d/odoo18-server stop

ls /var/log/odoo18/

sudo find / -name "*odoo*-server.log" 2>/dev/null

ps aux | grep odoo
```

Step 11: Start odoo

cd /opt/odoo/odoo18

source ../venv310/bin/activate

./odoo-bin -c /etc/odoo.conf

./odoo-bin -s

Step 12: Then go to web browser to access odoo18

http://localhost:8069