

**User:** Can you put these commands into a provision.sh file

**Assistant:** Got it. I'll take the commands from your uploaded file and put them into a proper provision.sh script that can be used in Vagrant or directly on CentOS 7. I'll include shebang, comments, and non-interactive handling (so you don't get stuck in vi during provisioning). Here's a cleaned-up version:

```
#!/bin/bash
# provision.sh - Automated setup for OpenLDAP on CentOS 7

set -euo pipefail

echo "=== Installing OpenLDAP packages ==="
sudo yum -y install openldap-servers openldap-clients nss-pam-ldapd

echo "=== Configuring OpenLDAP database ==="
sudo cp /usr/share/openldap-servers/DB_CONFIG.example /var/lib/ldap/DB_CONFIG
sudo chown ldap. /var/lib/ldap/DB_CONFIG

echo "=== Starting and enabling slapd service ==="
sudo systemctl start slapd
sudo systemctl enable slapd

# NOTE: slappasswd is interactive; you may want to pre-generate and insert
# a password hash here. Example (replace with your real SSHA hash):
ROOTPW="{SSHA}xxxxxxxxxxxxxxxxxxxxxxxxxxxx"

echo "=== Creating chrootpw.ldif ==="
cat <<EOF | sudo tee /root/chrootpw.ldif
dn: olcDatabase={0}config,cn=config
changetype: modify
add: olcRootPW
olcRootPW: $ROOTPW
EOF

sudo ldapadd -Y EXTERNAL -H ldapi:/// -f /root/chrootpw.ldif
... (script continues) ...

■ Notes for you before running:
- Replace ROOTPW="{SSHA}xxxxxxxxxxxxx" with a hash you generate using slappasswd.
- The script currently uses -w password for simplicity; replace with your real Manager password.
- I converted all manual vi edits into cat <<EOF heredocs for automation.
```

**Assistant:** Do you want me to also add the dnsmasq + PXE boot setup commands you had earlier into this same provision.sh, or should we keep LDAP and PXE provisioning separate?

**User:** Print this whole chat into a pdf file