# xCAT Installation

## Option 1a: Online installation (workaround for rocky 9.5)

Download the go-xcat tool using wget:

wget https://raw.githubusercontent.com/xcat2/xcat-core/master/xCAT-server/share/xcat/tools/go-xcat -O - >/tmp/go-xcat

chmod +x /tmp/go-xcat

Run the go-xcat tool (this will fail):

/tmp/go-xcat install

Edit openssl.cnf.tmpl file

cp /opt/xcat/share/xcat/ca/openssl.cnf.tmpl /opt/xcat/share/xcat/ca/openssl.cnf.tmpl.orig

vim /opt/xcat/share/xcat/ca/openssl.cnf.tmpl

Comment out anything with authorityKeyIdentifier:

# fgrep authorityKeyIdentifier /opt/xcat/share/xcat/ca/openssl.cnf.tmpl

#authorityKeyIdentifier=keyid,issuer

#authorityKeyIdentifier=keyid,issuer

#authorityKeyIdentifier=keyid:always,issuer

# Only issuerAltName and authorityKeyIdentifier make any sense in a CRL.

#authorityKeyIdentifier=keyid:always

#authorityKeyIdentifier=keyid,issuer

Edit setup-dockerhost-cert.sh

cp /opt/xcat/share/xcat/scripts/setup-dockerhost-cert.sh /opt/xcat/share/xcat/scripts/setup-dockerhost-cert.sh.orig

vim /opt/xcat/share/xcat/scripts/setup-dockerhost-cert.sh

Make the following change:

# fgrep dockerhost-req.pem /opt/xcat/share/xcat/scripts/setup-dockerhost-cert.sh

Comment out:

#openssl req -config ca/openssl.cnf -new -key ca/dockerhost-key.pem -out cert/dockerhost-req.pem -extensions server -subj "/CN=$CNA"

Change to:

openssl req -config ca/openssl.cnf -new -key ca/dockerhost-key.pem -out cert/dockerhost-req.pem -subj "/CN=$CNA"

Source the profile to add xCAT Commands to your path:

source /etc/profile.d/xcat.sh

Reinitialise the xcat installation:

xcatconfig -i -c -s

Check the xCAT version:

lsxcatd -a

# Uninstall xCAT

## Run the following to completely remove xCAT

cd /root/

mkdir xcattabs

dumpxCATdb -a -p xcattabs/

makedhcp -d -a

nodeset <all node groups e.g. og, v.inst, nav> offline

makedns -d <all node groups e.g. og, v.inst, nav>

systemctl stop xcatd.service

/opt/xcat/share/xcat/tools/go-xcat completely uninstall

Now remove the following file:

rm -rf /root/.xcat

rm -rf /etc/xcat

rm -rf /tftpboot

rm -rf /etc/yum.repos.d/xcat-\*

rm -rf /etc/yum.repos.d/local-repository-\*

rm -rf /etc/sysconfig/xcat

rm -rf /etc/httpd/conf.d/xcat-\*

rm -rf /etc/logrotate.d/xcat

rm -rf /etc/rsyslogd.d/xcat-\*

rm -rf /var/log/xcat

rm -rf /opt/xcat/

rm -rf /xcatpost