Link Follow:

<https://xcat-docs.readthedocs.io/en/stable/guides/install-guides/zypper/configure_xcat.html>

<https://xcat.org/download.html#xcat-core>

2 hostnamectl set-hostname server

3 systemctl stop firewalld

4 systemctl disable firewalld

6 vim /etc/selinux/config

8 yum update -y

9 init 6

11 yum update -y

14 mkdir -p ~/xcat

15 cd ~/xcat/

21 yum install epel-release

28 cd

29 yum install xCAT

30 source /etc/profile.d/xcat.sh

31 cd /etc/profile.d

34 lsxcatd -a

35 cd

36 cd ~/xcat/

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

39 chmod +x /tmp/go-xcat

40 /tmp/go-xcat install

41 wget https://xcat.org/files/xcat/xcat-core/2.16.x\_Linux/xcat-core/xcat-core-2.16.5-linux.tar.bz2

42 wget https://xcat.org/files/xcat/repos/yum/latest/xcat-core/xcat-core.repo

44 tar xvf xcat-core-2.16.5-linux.tar.bz2

45 cd ~/xcat/xcat-core

46 ./mklocalrepo.sh

47 cd

48 cd ~/xcat

49 wget https://xcat.org/files/xcat/xcat-dep/2.x\_Ubuntu/?C=M;O=D

50 wget https://xcat.org/files/xcat/xcat-dep/2.x\_Linux/xcat-dep-202212061505.tar.bz2

51 tar jxvf xcat-dep-202212061505.tar.bz2

52 cd

53 cd ~/xcat/xcat-dep/

54 ./mklocalrepo.sh

55 cd rh9

56 ls

57 cd ..

58 ./mklocalrepo.sh

59 cd rh7

60 cd ppc64le/

61 ./mklocalrepo.sh

62 yum install xCAT

63 source /etc/profile.d/xcat.sh

64 lsxcatd -a

65 tabdump site

66 systemctl start xcatd.service

68 systemctl status xcatd.service

69 history

[root@server ~]# mkdir -p ~/xcat

[root@server ~]# cd ~/

.cache/ .dbus/ Documents/ .local/ Pictures/ .redhat/ Videos/

.config/ Desktop/ Downloads/ Music/ Public/ Templates/ xcat/

[root@server ~]# cd ~/

.cache/ .dbus/ Documents/ .local/ Pictures/ .redhat/ Videos/

.config/ Desktop/ Downloads/ Music/ Public/ Templates/ xcat/

[root@server ~]# cd ~/xcat/

[root@server xcat]# wget http://xcat.org/files/xcat/xcat-core/<version>.x\_Linux/xcat-core/xcat-core-<version>-linux.tar.bz2

bash: version: No such file or directory

[root@server xcat]# wget http://xcat.org/files/xcat/xcat-dep/2.x\_Linux/xcat-dep-<version>-linux.tar.bz2

bash: version: No such file or directory

[root@server xcat]# cd

[root@server ~]# wget http://xcat.org/files/xcat/xcat-dep/2.x\_Linux/xcat-dep-<version>-linux.tar.bz2

bash: version: No such file or directory

[root@server ~]# wget http://xcat.org/files/xcat/xcat-dep/2.x\_Linux/xcat-dep-<version>-linux.tar.bz2

bash: version: No such file or directory

[root@server ~]# yum install utils

Loaded plugins: fastestmirror, langpacks

Loading mirror speeds from cached hostfile

\* base: mirrors.nxtgen.com

\* extras: mirrors.nxtgen.com

\* updates: mirrors.nxtgen.com

No package utils available.

Error: Nothing to do

[root@server ~]# yum install ep

epel-release.noarch epydoc.noarch

[root@server ~]# yum install ep

epel-release.noarch epydoc.noarch

[root@server ~]# yum install ep

epel-release.noarch epydoc.noarch

[root@server ~]# yum install epel-release

Loaded plugins: fastestmirror, langpacks

Loading mirror speeds from cached hostfile

\* base: mirrors.nxtgen.com

\* extras: mirrors.nxtgen.com

\* updates: mirrors.nxtgen.com

Resolving Dependencies

--> Running transaction check

---> Package epel-release.noarch 0:7-11 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

================================================================================

Package Arch Version Repository Size

================================================================================

Installing:

epel-release noarch 7-11 extras 15 k

Transaction Summary

================================================================================

Install 1 Package

Total download size: 15 k

Installed size: 24 k

Is this ok [y/d/N]: y

Downloading packages:

epel-release-7-11.noarch.rpm | 15 kB 00:00

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

Installing : epel-release-7-11.noarch 1/1

Verifying : epel-release-7-11.noarch 1/1

Installed:

epel-release.noarch 0:7-11

Complete!

[root@server ~]# wget http://xcat.org/files/xcat/xcat-dep/2.x\_Linux/xcat-dep-<version>-linux.tar.bz2

bash: version: No such file or directory

[root@server ~]# wget http://xcat.org/files/xcat/xcat-core/<version>.x\_Linux/xcat-core/xcat-core-<version>-linux.tar.bz2

bash: version: No such file or directory

[root@server ~]# cd ~/xcat/

[root@server xcat]# wget http://xcat.org/files/xcat/xcat-core/<version>.x\_Linux/xcat-core/xcat-core-<version>-linux.tar.bz2

bash: version: No such file or directory

[root@server xcat]# wget http://xcat.org/files/xcat/xcat-core/<version>.x\_Linux/xcat-core/xcat-core-<version>-linux.tar.bz2

bash: version: No such file or directory

[root@server xcat]# wget http://xcat.org/files/xcat/xcat-core/<version>.x\_Linux/xcat-core/xcat-core-<version>-linux.tar.bz2

bash: version: No such file or directory

[root@server xcat]# cd ~/xcat/

[root@server xcat]# wget http://xcat.org/files/xcat/xcat-core/<version>.x\_Linux/xcat-core/xcat-core-<version>-linux.tar.bz2

bash: version: No such file or directory

[root@server xcat]# wget http://xcat.org/files/xcat/xcat-core/<version>.x\_Linux/xcat-core/xcat-core-<version>-linux.tar.bz2

bash: version: No such file or directory

[root@server xcat]# cd

[root@server ~]# yum install xCAT

Loaded plugins: fastestmirror, langpacks

Loading mirror speeds from cached hostfile

epel/x86\_64/metalink | 7.7 kB 00:00

\* base: mirrors.nxtgen.com

\* epel: repo.extreme-ix.org

\* extras: mirrors.nxtgen.com

\* updates: mirrors.nxtgen.com

epel | 4.7 kB 00:00

(1/3): epel/x86\_64/updateinfo | 1.0 MB 00:00

(2/3): epel/x86\_64/group\_gz | 99 kB 00:01

(3/3): epel/x86\_64/primary\_db | 7.0 MB 00:34

No package xCAT available.

Error: Nothing to do

[root@server ~]# source /etc/profile.d/xcat.sh

bash: /etc/profile.d/xcat.sh: No such file or directory

[root@server ~]# cd /etc/pr

prelink.conf.d/ profile.d/

[root@server ~]# cd /etc/pr

prelink.conf.d/ profile.d/

[root@server ~]# cd /etc/profile.d

[root@server profile.d]# l;

bash: l: command not found...

[root@server profile.d]# ll

total 84

-rw-r--r--. 1 root root 771 Nov 16 2020 256term.csh

-rw-r--r--. 1 root root 841 Nov 16 2020 256term.sh

-rw-r--r--. 1 root root 1348 Oct 1 2020 abrt-console-notification.sh

-rw-r--r--. 1 root root 660 Apr 1 2020 bash\_completion.sh

-rw-r--r--. 1 root root 196 Mar 24 2017 colorgrep.csh

-rw-r--r--. 1 root root 201 Mar 24 2017 colorgrep.sh

-rw-r--r--. 1 root root 1741 Nov 16 2020 colorls.csh

-rw-r--r--. 1 root root 1606 Nov 16 2020 colorls.sh

-rw-r--r--. 1 root root 80 Apr 1 2020 csh.local

-rw-r--r--. 1 root root 294 Nov 2 2021 flatpak.sh

-rw-r--r--. 1 root root 1706 Nov 16 2020 lang.csh

-rw-r--r--. 1 root root 2703 Nov 16 2020 lang.sh

-rw-r--r--. 1 root root 123 Jul 31 2015 less.csh

-rw-r--r--. 1 root root 121 Jul 31 2015 less.sh

-rw-r--r--. 1 root root 1202 Apr 2 2020 PackageKit.sh

-rw-r--r--. 1 root root 81 Apr 1 2020 sh.local

-rw-r--r--. 1 root root 105 Dec 15 2020 vim.csh

-rw-r--r--. 1 root root 269 Dec 15 2020 vim.sh

-rw-r--r--. 1 root root 2092 Sep 30 2020 vte.sh

-rw-r--r--. 1 root root 164 Jan 28 2014 which2.csh

-rw-r--r--. 1 root root 169 Jan 28 2014 which2.sh

[root@server profile.d]# lsxcatd -a

bash: lsxcatd: command not found...

[root@server profile.d]# cd

[root@server ~]# cd ~/xcat/

[root@server xcat]# wget http://xcat.org/files/xcat/xcat-core/<version>.x\_Linux/xcat-core/xcat-core-<version>-linux.tar.bz2

bash: version: No such file or directory

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

--2023-08-15 20:13:49-- https://raw.githubusercontent.com/xcat2/xcat-core/master/xCAT-server/share/xcat/tools/go-xcat

Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.108.133, 185.199.110.133, 185.199.111.133, ...

Connecting to raw.githubusercontent.com (raw.githubusercontent.com)|185.199.108.133|:443... connected.

HTTP request sent, awaiting response... 200 OK

Length: 66805 (65K) [text/plain]

Saving to: ‘STDOUT’

100%[======================================>] 66,805 --.-K/s in 0.007s

2023-08-15 20:13:49 (9.49 MB/s) - written to stdout [66805/66805]

[root@server xcat]# chmod +x /tmp/go-xcat

[root@server xcat]# /tmp/go-xcat install

xCAT has been installed!

========================

If this is the very first time xCAT has been installed, run one of the

following commands to set the environment variables.

For sh:

source /etc/profile.d/xcat.sh

For csh:

source /etc/profile.d/xcat.csh

[root@server xcat]# wget https://xcat.org/files/xcat/xcat-core/2.16.x\_Linux/xcat-core/xcat-core-2.16.5-linux.tar.bz2

--2023-08-15 20:17:16-- https://xcat.org/files/xcat/xcat-core/2.16.x\_Linux/xcat-core/xcat-core-2.16.5-linux.tar.bz2

Resolving xcat.org (xcat.org)... 166.70.135.166

Connecting to xcat.org (xcat.org)|166.70.135.166|:443... connected.

HTTP request sent, awaiting response... 200 OK

Length: 5222593 (5.0M) [application/x-bzip2]

Saving to: ‘xcat-core-2.16.5-linux.tar.bz2’

100%[======================================>] 5,222,593 2.07MB/s in 2.4s

2023-08-15 20:17:20 (2.07 MB/s) - ‘xcat-core-2.16.5-linux.tar.bz2’ saved [5222593/5222593]

[root@server xcat]# wget https://xcat.org/files/xcat/repos/yum/latest/xcat-core/xcat-core.repo

--2023-08-15 20:17:34-- https://xcat.org/files/xcat/repos/yum/latest/xcat-core/xcat-core.repo

Resolving xcat.org (xcat.org)... 166.70.135.166

Connecting to xcat.org (xcat.org)|166.70.135.166|:443... connected.

HTTP request sent, awaiting response... 200 OK

Length: 206

Saving to: ‘xcat-core.repo’

100%[======================================>] 206 --.-K/s in 0s

2023-08-15 20:17:35 (16.6 MB/s) - ‘xcat-core.repo’ saved [206/206]

[root@server xcat]# tar xcat-core-2.16.5-linux.tar.bz2 xcat-core

xcat-core-2.16.5-linux.tar.bz2 xcat-core.repo

[root@server xcat]# tar xcat-core-2.16.5-linux.tar.bz2

tar: Old option `b' requires an argument.

Try `tar --help' or `tar --usage' for more information.

[root@server xcat]# tar xvf xcat-core-2.16.5-linux.tar.bz2

[root@server xcat]# cd ~/xcat/xcat-core

[root@server xcat-core]# ./mklocalrepo.sh

/root/xcat/xcat-core

[root@server xcat-core]# tar jxvf x

[root@server xcat-core]# cd

[root@server ~]# cd ~/xcat

[root@server xcat]# wget https://xcat.org/files/xcat/xcat-dep/2.x\_Ubuntu/?C=M;O=D

--2023-08-15 20:20:52-- https://xcat.org/files/xcat/xcat-dep/2.x\_Ubuntu/?C=M

Resolving xcat.org (xcat.org)... 166.70.135.166

Connecting to xcat.org (xcat.org)|166.70.135.166|:443... connected.

HTTP request sent, awaiting response... 200 OK

Length: unspecified [text/html]

Saving to: ‘index.html?C=M’

[ <=> ] 21,364 78.7KB/s in 0.3s

2023-08-15 20:20:53 (78.7 KB/s) - ‘index.html?C=M’ saved [21364]

[root@server xcat]# tar xvf xcat-core

xcat-core/ xcat-core.repo

xcat-core-2.16.5-linux.tar.bz2

[root@server xcat]# wget https://xcat.org/files/xcat/xcat-dep/2.x\_Linux/xcat-dep-202212061505.tar.bz2

--2023-08-15 20:22:02-- https://xcat.org/files/xcat/xcat-dep/2.x\_Linux/xcat-dep-202212061505.tar.bz2

Resolving xcat.org (xcat.org)... 166.70.135.166

Connecting to xcat.org (xcat.org)|166.70.135.166|:443... connected.

HTTP request sent, awaiting response... 200 OK

Length: 820742473 (783M) [application/x-bzip2]

Saving to: ‘xcat-dep-202212061505.tar.bz2’

100%[======================================>] 820,742,473 3.59MB/s in 3m 47s

2023-08-15 20:25:51 (3.44 MB/s) - ‘xcat-dep-202212061505.tar.bz2’ saved [820742473/820742473]

[root@server xcat]# tar jxvf xcat-dep-202212061505.tar.bz2

[root@server xcat]# cd

[root@server ~]#

[root@server ~]#

[root@server ~]# cd ~/xcat/xcat-dep/

[root@server xcat-dep]# ./mklocalrepo.sh

ERROR: For xcat-dep, please execute ./mklocalrepo.sh in the correct <os>/<arch> subdirectory

[root@server xcat-dep]# cd

rh7/ rh8/ rh9/ sles12/ sles15/

[root@server xcat-dep]# cd rh

rh7/ rh8/ rh9/

[root@server xcat-dep]# cd rh9

rh7/ rh8/ rh9/ sles12/ sles15/

[root@server xcat-dep]# cd rh9

rh7/ rh8/ rh9/ sles12/ sles15/

[root@server xcat-dep]# cd rh9

[root@server rh9]# ls

elilo-xcat-3.14-6.noarch.rpm

grub2-xcat-2.02-0.76.el9.1.snap201905160255.noarch.rpm

perl-HTML-Form-6.07-4.el9.noarch.rpm

perl-HTTP-Async-0.30-2.noarch.rpm

perl-IO-Stty-0.04-5.el9.noarch.rpm

perl-Net-HTTPS-NB-0.14-2.noarch.rpm

perl-Net-Telnet-3.04-16.el9.noarch.rpm

ppc64le

syslinux-xcat-3.86-2.noarch.rpm

x86\_64

xCAT-genesis-base-ppc64-2.16.3-snap202110141642.noarch.rpm

xCAT-genesis-base-x86\_64-2.14.5-snap201811190037.noarch.rpm

xnba-undi-1.21.1-1.noarch.rpm

yaboot-xcat-1.3.17-rc1.noarch.rpm

[root@server rh9]# cd ..

[root@server xcat-dep]# ./mklocalrepo.sh

ERROR: For xcat-dep, please execute ./mklocalrepo.sh in the correct <os>/<arch> subdirectory

[root@server xcat-dep]# cd

rh7/ rh8/ rh9/ sles12/ sles15/

[root@server xcat-dep]# cd rh7

[root@server rh7]# cd ppc64

ppc64/ ppc64le/

[root@server rh7]# cd ppc64

ppc64/ ppc64le/

[root@server rh7]# cd ppc64le/

[root@server ppc64le]# ./mklocalrepo.sh

/root/xcat/xcat-dep/rh7/ppc64le

[root@server ppc64le]# yum install xCAT

Loaded plugins: fastestmirror, langpacks

Loading mirror speeds from cached hostfile

\* base: mirrors.nxtgen.com

\* epel: epel.excellmedia.net

\* extras: mirrors.nxtgen.com

\* updates: mirrors.nxtgen.com

xcat-core | 3.0 kB 00:00

xcat-dep | 2.9 kB 00:00

xcat-dep/primary\_db | 33 kB 00:00

Package xCAT-2.16.5-snap202303030907.x86\_64 already installed and latest version

Nothing to do

[root@server ppc64le]# source /etc/profile.d/xcat.sh

[root@server ppc64le]# lsxcatd -a

Version 2.16.5 (git commit b588632f2fa62f34e658f2f0b1d12ad07201f981, built Fri Mar 3 09:07:13 EST 2023)

This is a Management Node

dbengine=SQLite

[root@server ppc64le]# tabdump site

[root@server ppc64le]# systemctl start xcatd.service

[root@server ppc64le]# systemctl status xcatd.service

● xcatd.service - xCAT management service

Loaded: loaded (/usr/lib/systemd/system/xcatd.service; enabled; vendor preset: disabled)

Active: active (running) since Tue 2023-08-15 20:16:05 IST; 15min ago

Main PID: 12971 (xcatd: SSL list)

Tasks: 7

CGroup: /system.slice/xcatd.service

├─12970 /usr/sbin/in.tftpd -v -l -s /tftpboot -m /etc/tftpmapfile4...

├─12971 xcatd: SSL listener

├─12972 xcatd: DB Access

├─12973 xcatd: UDP listener

├─12974 xcatd: install monitor

├─12975 xcatd: Discovery worker

└─12976 xcatd: Command log writer

Aug 15 20:16:05 server xcat[12973]: xcatd: UDP listener process 12973 start

Aug 15 20:16:05 server xcat[12976]: xcatd: Command log writer process 12976...rt

Aug 15 20:16:05 server xcat[12975]: xcatd: Discovery worker process 12975 start

Aug 15 20:16:05 server xcatd[12938]: Starting xcatd [ OK ]

Aug 15 20:16:05 server systemd[1]: Started xCAT management service.

Aug 15 20:16:07 server xcat[13104]: xCAT: Allowing mknb ppc64 for root from...st

Aug 15 20:16:33 server xcat[13128]: xCAT: Allowing mknb x86\_64 for root fro...st

Aug 15 20:17:01 server xcat[13217]: xCAT: Allowing lsdef for root from localhost

Aug 15 20:30:15 server xcat[13764]: xCAT: Allowing lsxcatd -a for root from...st

Aug 15 20:30:26 server xcat[13776]: xCAT: Allowing tabdump site for root fr...st

Hint: Some lines were ellipsized, use -l to show in full.

[root@server ppc64le]# systemctl status xcatd.service

● xcatd.service - xCAT management service

Loaded: loaded (/usr/lib/systemd/system/xcatd.service; enabled; vendor preset: disabled)

Active: active (running) since Tue 2023-08-15 20:16:05 IST; 2 days ago

Main PID: 12971 (xcatd: SSL list)

Tasks: 7

CGroup: /system.slice/xcatd.service

├─12970 /usr/sbin/in.tftpd -v -l -s /tftpboot -m /etc/tftpmapfile4xcat.conf

├─12971 xcatd: SSL listener

├─12972 xcatd: DB Access

├─12973 xcatd: UDP listener

├─12974 xcatd: install monitor

├─12975 xcatd: Discovery worker

└─12976 xcatd: Command log writer

Aug 15 20:16:05 server xcat[12973]: xcatd: UDP listener process 12973 start

Aug 15 20:16:05 server xcat[12976]: xcatd: Command log writer process 12976 start

Aug 15 20:16:05 server xcat[12975]: xcatd: Discovery worker process 12975 start

Aug 15 20:16:05 server xcatd[12938]: Starting xcatd [ OK ]

Aug 15 20:16:05 server systemd[1]: Started xCAT management service.

Aug 15 20:16:07 server xcat[13104]: xCAT: Allowing mknb ppc64 for root from localhost

Aug 15 20:16:33 server xcat[13128]: xCAT: Allowing mknb x86\_64 for root from localhost

Aug 15 20:17:01 server xcat[13217]: xCAT: Allowing lsdef for root from localhost

Aug 15 20:30:15 server xcat[13764]: xCAT: Allowing lsxcatd -a for root from localhost

Aug 15 20:30:26 server xcat[13776]: xCAT: Allowing tabdump site for root from localhost

[root@server ppc64le]# systemctl status xcatd.service

● xcatd.service - xCAT management service

Loaded: loaded (/usr/lib/systemd/system/xcatd.service; enabled; vendor preset: disabled)

Active: active (running) since Tue 2023-08-15 20:16:05 IST; 2 days ago

Main PID: 12971 (xcatd: SSL list)

Tasks: 7

CGroup: /system.slice/xcatd.service

├─12970 /usr/sbin/in.tftpd -v -l -s /tftpboot -m /etc/tftpmapfile4xcat.conf

├─12971 xcatd: SSL listener

├─12972 xcatd: DB Access

├─12973 xcatd: UDP listener

├─12974 xcatd: install monitor

├─12975 xcatd: Discovery worker

└─12976 xcatd: Command log writer

Aug 15 20:16:05 server xcat[12973]: xcatd: UDP listener process 12973 start

Aug 15 20:16:05 server xcat[12976]: xcatd: Command log writer process 12976 start

Aug 15 20:16:05 server xcat[12975]: xcatd: Discovery worker process 12975 start

Aug 15 20:16:05 server xcatd[12938]: Starting xcatd [ OK ]

Aug 15 20:16:05 server systemd[1]: Started xCAT management service.

Aug 15 20:16:07 server xcat[13104]: xCAT: Allowing mknb ppc64 for root from localhost

Aug 15 20:16:33 server xcat[13128]: xCAT: Allowing mknb x86\_64 for root from localhost

Aug 15 20:17:01 server xcat[13217]: xCAT: Allowing lsdef for root from localhost

Aug 15 20:30:15 server xcat[13764]: xCAT: Allowing lsxcatd -a for root from localhost

Aug 15 20:30:26 server xcat[13776]: xCAT: Allowing tabdump site for root from localhost