

Update CentOS 7

Karena pada panduan sebelumnya, server sudah dapat diakses dari komputer lain melalui protokol SSH, perintah-perintah yang akan diketikkan berikutnya, mayoritas dapat di *copy* dan *paste* langsung dari panduan ini. Walaupun begitu, tetap lakukan dengan hati-hati.

Update Repository CentOS 7

CentOS 7 sudah memasuki masa *End of Life (EOL)* pada 30 Juni 2024

Linux Repository adalah lokasi penyimpanan daring untuk menyimpan file-file pembaruan suatu sistem operasi dan aplikasi-aplikasi terkait lainnya. Dikarenakan sistem operasi CentOS 7 sudah memasuki masa *End of Life (EOL)*, maka sistem operasi ini tidak mendapatkan lagi pembaruan. Apabila pengguna mencoba untuk melakukan pembaruan/pemasangan aplikasi, maka akan muncul pesan kesalahan seperti ini:

```
root@localhost:~  
[root@localhost ~]# yum -y update  
Loaded plugins: fastestmirror  
Determining fastest mirrors  
Could not retrieve mirrorlist http://mirrorlist.centos.org/?release=7&arch=x86_64&repo=os&infra=stock error was  
14: curl#6 - "Could not resolve host: mirrorlist.centos.org; Unknown error"  
  
One of the configured repositories failed (Unknown),  
and yum doesn't have enough cached data to continue. At this point the only  
safe thing yum can do is fail. There are a few ways to work "fix" this:  
  
1. Contact the upstream for the repository and get them to fix the problem.  
  
2. Reconfigure the baseurl/etc. for the repository, to point to a working  
upstream. This is most often useful if you are using a newer  
distribution release than is supported by the repository (and the  
packages for the previous distribution release still work).  
  
3. Run the command with the repository temporarily disabled  
yum --disablerepo=<repoid> ...  
  
4. Disable the repository permanently, so yum won't use it by default. Yum  
will then just ignore the repository until you permanently enable it  
again or use --enablerepo for temporary usage:  
  
    yum-config-manager --disable <repoid>  
or  
    subscription-manager repos --disable=<repoid>  
  
5. Configure the failing repository to be skipped, if it is unavailable.  
Note that yum will try to contact the repo. when it runs most commands,  
so will have to try and fail each time (and thus, yum will be be much  
slower). If it is a very temporary problem though, this is often a nice  
compromise:  
  
    yum-config-manager --save --setopt=<repoid>.skip_if_unavailable=true  
  
Cannot find a valid baseurl for repo: base/7/x86_64  
[root@localhost ~]#
```

Oleh karena itu, sebelum proses pembaruan CentOS 7, lokasi *repository*-nya harus diubah mengeksekusi script sebagai berikut yang diikuti dengan menekan tombol **Enter** di keyboard:

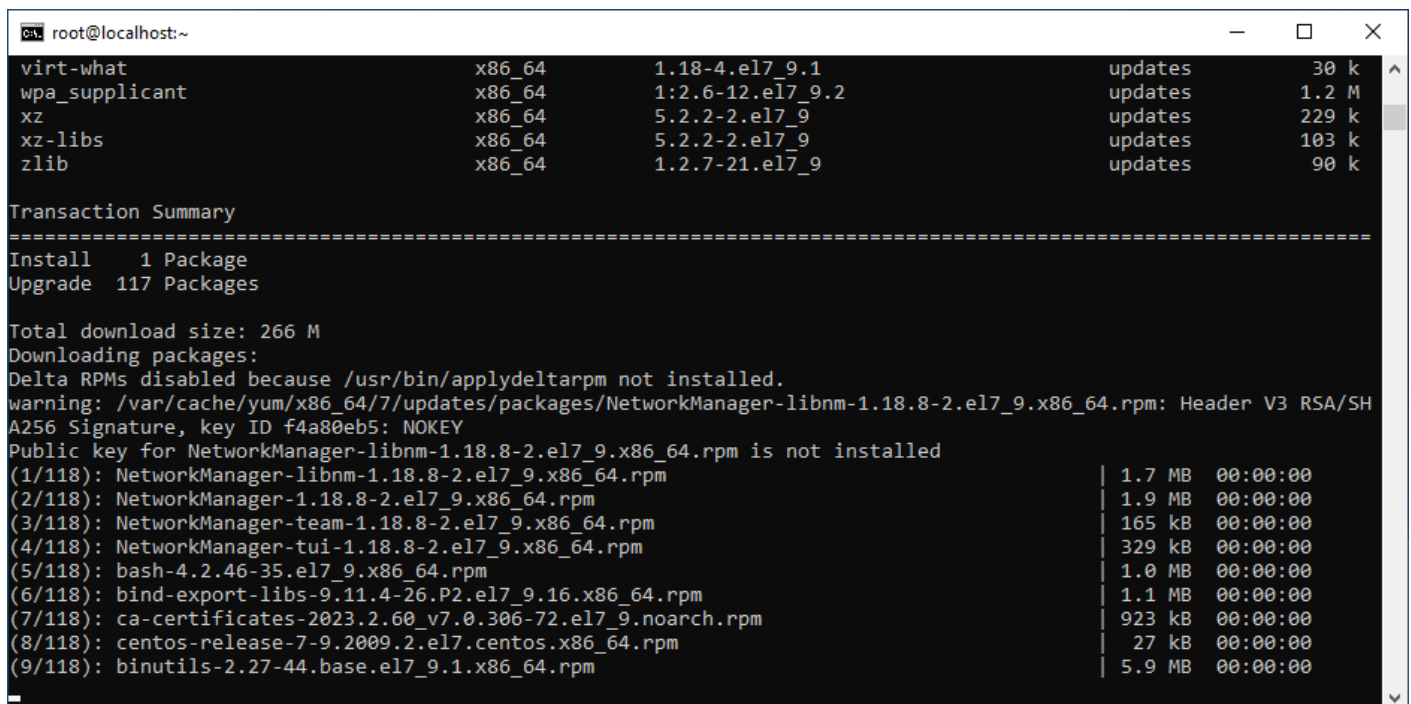
```
sed -i s/mirror.centos.org/vault.centos.org/g /etc/yum.repos.d/CentOS-*.repo
sed -i s/^#.*baseurl=http/baseurl=http/g /etc/yum.repos.d/CentOS-*.repo
sed -i s/^mirrorlist=http/#mirrorlist=http/g /etc/yum.repos.d/CentOS-*.repo
```

Kredit: <https://serverfault.com/questions/1161816/mirrorlist-centos-org-no-longer-resolve#answer-1161847>

Update Sistem Operasi CentOS 7

Untuk melakukan *update*, menggunakan perintah berikut ini:

```
yum update -y
```



```
root@localhost:~
virt-what                x86_64                1.18-4.el7_9.1        updates              30 k
wpa_supplicant           x86_64                1:2.6-12.el7_9.2      updates              1.2 M
xz                       x86_64                5.2.2-2.el7_9         updates              229 k
xz-libs                  x86_64                5.2.2-2.el7_9         updates              103 k
zlib                     x86_64                1.2.7-21.el7_9        updates              90 k

Transaction Summary
-----
Install    1 Package
Upgrade   117 Packages

Total download size: 266 M
Downloading packages:
Delta RPMs disabled because /usr/bin/applydeltarpm not installed.
warning: /var/cache/yum/x86_64/7/updates/packages/NetworkManager-libnm-1.18.8-2.el7_9.x86_64.rpm: Header V3 RSA/S
A256 Signature, key ID f4a80eb5: NOKEY
Public key for NetworkManager-libnm-1.18.8-2.el7_9.x86_64.rpm is not installed
(1/118): NetworkManager-libnm-1.18.8-2.el7_9.x86_64.rpm | 1.7 MB 00:00:00
(2/118): NetworkManager-1.18.8-2.el7_9.x86_64.rpm | 1.9 MB 00:00:00
(3/118): NetworkManager-team-1.18.8-2.el7_9.x86_64.rpm | 165 kB 00:00:00
(4/118): NetworkManager-tui-1.18.8-2.el7_9.x86_64.rpm | 329 kB 00:00:00
(5/118): bash-4.2.46-35.el7_9.x86_64.rpm | 1.0 MB 00:00:00
(6/118): bind-export-libs-9.11.4-26.P2.el7_9.16.x86_64.rpm | 1.1 MB 00:00:00
(7/118): ca-certificates-2023.2.60_v7.0.306-72.el7_9.noarch.rpm | 923 kB 00:00:00
(8/118): centos-release-7-9.2009.2.el7.centos.x86_64.rpm | 27 kB 00:00:00
(9/118): binutils-2.27-44.base.el7_9.1.x86_64.rpm | 5.9 MB 00:00:00
```

Proses *update* mungkin akan membutuhkan beberapa waktu, tergantung dari kecepatan internet di kantor satuan kerja. Tunggu hingga proses update selesai. Berikut adalah tampilan pada *command prompt* jika proses *update* telah selesai.

```
root@localhost:~  
libsmartcols.x86_64 0:2.23.2-65.el7_9.1  
libuuid.x86_64 0:2.23.2-65.el7_9.1  
linux-firmware.noarch 0:20200421-83.git78c0348.el7_9  
lvm2-libs.x86_64 7:2.02.187-6.el7_9.5  
nspr.x86_64 0:4.35.0-1.el7_9  
nss-pem.x86_64 0:1.0.3-7.el7_9.1  
nss-softokn-freebl.x86_64 0:3.90.0-6.el7_9  
nss-tools.x86_64 0:3.90.0-2.el7_9  
openldap.x86_64 0:2.4.44-25.el7_9  
openssh-clients.x86_64 0:7.4p1-23.el7_9  
openssl.x86_64 1:1.0.2k-26.el7_9  
polkit.x86_64 0:0.112-26.el7_9.1  
python-firewall.noarch 0:0.6.3-13.el7_9  
python-perf.x86_64 0:3.10.0-1160.119.1.el7  
rpm-build-libs.x86_64 0:4.11.3-48.el7_9  
rpm-python.x86_64 0:4.11.3-48.el7_9  
selinux-policy.noarch 0:3.13.1-268.el7_9.2  
sudo.x86_64 0:1.8.23-10.el7_9.3  
systemd-libs.x86_64 0:219-78.el7_9.9  
tuned.noarch 0:2.11.0-12.el7_9  
util-linux.x86_64 0:2.23.2-65.el7_9.1  
virt-what.x86_64 0:1.18-4.el7_9.1  
xz.x86_64 0:5.2.2-2.el7_9  
zlib.x86_64 0:1.2.7-21.el7_9  
libssh2.x86_64 0:1.8.0-4.el7_9.1  
libxml2.x86_64 0:2.9.1-6.el7_9.6  
lvm2.x86_64 7:2.02.187-6.el7_9.5  
microcode_ctl.x86_64 2:2.1-73.20.el7_9  
nss.x86_64 0:3.90.0-2.el7_9  
nss-softokn.x86_64 0:3.90.0-6.el7_9  
nss-sysinit.x86_64 0:3.90.0-2.el7_9  
nss-util.x86_64 0:3.90.0-1.el7_9  
openssh.x86_64 0:7.4p1-23.el7_9  
openssh-server.x86_64 0:7.4p1-23.el7_9  
openssl-libs.x86_64 1:1.0.2k-26.el7_9  
python.x86_64 0:2.7.5-94.el7_9  
python-libs.x86_64 0:2.7.5-94.el7_9  
rpm.x86_64 0:4.11.3-48.el7_9  
rpm-libs.x86_64 0:4.11.3-48.el7_9  
rsyslog.x86_64 0:8.24.0-57.el7_9.3  
selinux-policy-targeted.noarch 0:3.13.1-268.el7_9.2  
systemd.x86_64 0:219-78.el7_9.9  
systemd-sysv.x86_64 0:219-78.el7_9.9  
tzdata.noarch 0:2024a-1.el7  
vim-minimal.x86_64 2:7.4.629-8.el7_9  
wpa_supplicant.x86_64 1:2.6-12.el7_9.2  
xz-libs.x86_64 0:5.2.2-2.el7_9  
Complete!  
[root@localhost ~]#
```

Mulai ulang (*restart*) server dengan menggunakan perintah:

```
reboot now
```

Setelah server selesai melakukan proses *restart*, koneksikan kembali komputer Anda dengan server melalui SSH.

Revision #18

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