

install Docker CE 17.03 on RHEL7

Is it possible to install DockerCE in the specific version 17.03 on RHEL7 ?

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- There is information here:
 - <https://docs.docker.com/engine/installation/linux/rhel/#install-using-the-repository> about the installing Docker on RHEL but there is no version info.
- and here with Docker 17.03 but only in Docker EE not **Docker CE**
 - https://access.redhat.com/documentation/en-US/Red_Hat_Enterprise_Linux/7/html/7.0_Release_Notes/sect-Red_Hat_Enterprise_Linux-7.0_Release_Notes-Linux_Containers_with_Docker_Format-Using_Docker.html but they talk about Docker v 0.12

docker

redhat

asked Mar 23 '17 at 15:58



user3313834

2,330 2 24 55

1 You might have to [handle the dependency on container-selinux](#) – Raedwald Sep 25 '18 at 10:15

6 Answers

As per the documentation [here](#), you can install Docker CE 17.03 (or future versions) on RHEL 7.3 64-bit via:

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Set up the Docker CE repository on RHEL:

```
sudo yum install -y yum-utils
sudo yum-config-manager --add-repo
https://download.docker.com/linux/centos/docker-ce.repo
sudo yum makecache fast
```

Install the latest version of Docker CE on RHEL:

```
sudo yum -y install docker-ce
```

Alternatively, you can specify a specific version of Docker CE:

```
sudo yum -y install docker-ce-<version>-<release>
```

Start Docker:

```
sudo systemctl start docker
```

Test your Docker CE installation:

```
sudo docker run hello-world
```

edited Mar 23 '17 at 16:53

answered Mar 23 '17 at 16:29



Matt Schuchard

8,001 2 23 41

Are there any licensing concerns with attempting to manually install Docker CE on RHEL? Is this legally allowed? – [link_boy](#) Aug 3 '17 at 16:45

3 This is not actually a manual install, but besides the point, non-enterprise Moby is released under the Apache 2.0 license, so there are no licensing issues with installing and using it. If you took code from enterprise and reused it, or used enterprise without paying for it, then there would probably be licensing issues. – [Matt Schuchard](#) Aug 3 '17 at 16:53 ✎

5 Don't forget `sudo systemctl enable docker`, otherwise the service won't start automatically on boot. – [fnkr](#) Nov 2 '17 at 15:34

3 My machine has the RPM `docker-1.12.6-16-e17.x86_64` installed, and I got error of `Error: docker-ce conflicts with 2:docker-1.12.6-16.e17.x86_64`. There are two suggestions after the error message: 1. You could try using `--skip-broken` to work around the problem and 2. You could try running: `rpm -Va --nofiles --nodigest`. What would you recommend? Thanks! – [leeyuiwah](#) Nov 24 '17 at 20:19

3 @leeyuiwah You have to uninstall the old Docker RPM first. For some reason, Docker (company) forgot to use the `obsoletes` tag in its RPM metadata so CE does not automatically replace the older series like it should. – [Matt Schuchard](#) Jan 18 '18 at 12:23 ✎

when i ran `sudo systemctl enable docker` it is giving me `Failed to start docker.service: Unit not found`. Has anyone got this? – [Gangadhar Jannu](#) Mar 14 '18 at 9:18 ✎

Make sure you've configured proxy in `yum` before doing `sudo yum-config-manager --add-repo https://download.docker.com/linux/centos/docker-ce.repo` – [Gangadhar Jannu](#) Apr 9 '18 at 8:18

note that someone will need `sudo yum update -y` before installing docker – [Ivan Aracki](#) May 22 '18 at 12:48

Procedure for a disposable dev test RHEL 7.3. Never do this in production.

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```
# pre-requisite for container-selinux-2.9-4.el7.noarch.rpm
sudo yum install policycoreutils-python
```

```
wget http://mirror.centos.org/centos/7/extras/x86_64/Packages/container-selinux-
2.21-1.el7.noarch.rpm
sudo rpm -i container-selinux-2.21-1.el7.noarch.rpm
```

```
#Set up the Docker CE repository on RHEL:
sudo yum install -y yum-utils
sudo yum install -y device-mapper-persistent-data lvm2
sudo yum-config-manager --enable rhel-7-server-extras-rpms
sudo yum-config-manager --add-repo
https://download.docker.com/linux/centos/docker-ce.repo
sudo yum makecache fast

# Install the latest version of Docker CE on RHEL:
sudo yum -y install docker-ce

#Start Docker:
sudo systemctl start docker

#Test your Docker CE installation:
sudo docker run hello-world

# configure Docker to start on boot
sudo systemctl enable docker

# add user to the docker group
sudo usermod -aG docker jethro

# install Docker Compose:
# install python-pip
wget https://dl.fedoraproject.org/pub/epel/epel-release-latest-7.noarch.rpm

sudo yum install ./epel-release-latest-7.noarch.rpm
sudo yum install -y python-pip

sudo pip install docker-compose

# upgrade your Python packages:
sudo yum upgrade python*
```

The above assumes you are NOT using a proxy. If you are, you will need to add
 proxy=http://myproxy:myport lines pretty much at the end of each block in each file under
 /etc/yum.repos.d/ , or add it to /etc/yum.conf .

Hope this helps.

edited Jan 31 '18 at 23:18



Mike Atlas

7,077 3 36 58

answered Jul 11 '17 at 11:20



Bertrand_Szoghy

535 1 5 18

your solution perfectly worked! Thanks a lot! Question: why you are not recommending same process for PRD? then what will be right process for PRD? – [Tushar De](#) Jul 14 '17 at 21:34 ✎

- 1 You will want and need Docker support in production in particular for scalability issues. – [Bertrand_Szoghy](#) Jul 17 '17 at 21:28

The container-selinux part is outdated. Use: wget

http://mirror.centos.org/centos/7/extras/x86_64/Packages/container-selinux-2.21-1.el7.noarch.rpm; rpm -i container-selinux-2.21-1.el7.noarch.rpm – [MadMike](#) Jan 5 '18 at 13:44 ✎

This is close, but the official AMI for RHEL 7 on AWS ships with xfs filesystem with d_type=0, and won't start for me. community.centminmod.com/threads/... – [Mike Atlas](#) Jan 31 '18 at 23:20

it works i just point the se-linux to the new url – [Alongkorn Chetasumon](#) Aug 24 '18 at 5:02

For those who are facing below error:

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Error: Package: docker-ce-17.06.0.ce-1.el7.centos.x86_64 (docker-ce-stable)
 Requires: container-selinux >= 2.9
 You could try using --skip-broken to work around the problem
 You could try running: rpm -Va --nofiles --nodigest

While installing docker on RHEL 7.3+ we need to execute:

```
sudo subscription-manager repos --enable rhel-7-server-extras-rpms
```

which will enable extra rpms to be installed on yum update.After this execute:

```
sudo yum update
```

Then follow: [Install Docker](#)

This has worked for me.

edited Sep 25 '18 at 10:10



Raedwald

27.6k 23 100 164

answered Feb 15 '18 at 6:21



Akash Srivastava

166 1 5

Thanks a lot!!! – [Alvaro Niño](#) Feb 27 '18 at 12:20

- 6 Seems as of Docker 18.03+ it needs the additional dependency `pigz` - which is sadly not in *Extras*; but in EPEL -> `yum install -y https://dl.fedoraproject.org/pub/epel/epel-release-latest-7.noarch.rpm` : (– [Christian Ulbrich](#) Apr 13 '18 at 15:26

Executing the `subscription-manager` command, I get a connection refused error: "Network error, unable to connect to server. Please see `/var/log/rhsm/rhsm.log` for more information." – [dokaspar](#) May 29 '18 at 13:07

INSTALLING DOCKER RHEL/CENTOS

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1. Got To: https://download.docker.com/linux/centos/7/x86_64/stable/Packages/

download: docker-ce-17.03.2.ce-1.el7.centos.x86_64.rpm 2018-06-08 05:48 19M

download: docker-ce-selinux-17.03.2.ce-1.el7.centos.noarch.rpm 2018-06-08 05:48 29K

Upload to server

2. `yum -y install docker-ce-selinux-17.03.2.ce-1.el7.centos.noarch.rpm`
3. `yum -y install docker-ce-17.03.2.ce-1.el7.centos.x86_64.rpm`
4. `sudo systemctl start docker`
5. REF: [install Docker CE 17.03 on RHEL7](#) <https://nickjanetakis.com/blog/docker-tip-39-installing-docker-ce-on-redhat-rhel-7x> <https://docs.docker.com/install/linux/docker->

[ee/rhel/#set-up-the-repository](#)

answered Jul 12 '18 at 6:57



Fred Ondieki

2,084 20 22

Well maybe you can acheive installing Docker CE 17.06 or 17.03 on RHEL 7.3, but Docker documentation is quite clear:

3

Docker Community Edition (Docker CE) is not supported on RHEL.

See <https://docs.docker.com/engine/installation/linux/docker-ee/rhel/>

answered Jun 29 '17 at 9:17



Antoine Palavioux

63 1 4

33 Neither is running Doom on your coffee machine, but it's nice to have the option. – [Sastrup](#) Aug 3 '17 at 7:36

I had the same problem running 7.x and I did the following:

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```
yum install -y yum-utils
```

```
wget http://dl.fedoraproject.org/pub/epel/epel-release-latest-7.noarch.rpm
```

```
rpm -ivh epel-release-latest-7.noarch.rpm
```

```
subscription-manager repos --enable=rhel-7-server-extras-rpms
```

```
yum install -y
```

```
http://mirror.centos.org/centos/7/extras/x86_64/Packages/container-selinux-2.55-1.el7.noarch.rpm
```

```
yum-config-manager --add-repo https://download.docker.com/linux/centos/docker-ce.repo
```

```
yum install -y docker-ce
```

```
systemctl restart docker
```

With this you'll not fall on the pigz error

```
Error: Package: docker-ce-18.03.1.ce-1.el7.centos.x86_64 (docker-ce-stable)
```

```
Requires: pigz
```

```
You could try using --skip-broken to work around the problem
```

Also **you need to keep an eye** on the **container-selinux** since i'm using a direct link to the version 2.55-1

answered May 28 '18 at 19:54



PekosoG

213 3 8