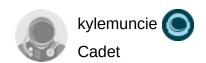


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11-22-2023 07:37 PM **33.9**K Views

Create a local repo in RHEL 9 Jump to solution

I have been struggling for days to be able to create a local repo in RHEL 9. Could someone please show me the correct steps with the same format that is on the exam?

Tags: dnf dvd ISO local localrepo repository RHEL9 YUM

1 Kudo

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1 Solution ✓



11-22-2023 08:26 PM **33.9K** Views



✓ Hello @kylemuncie!

Thanks for reaching out!

Due to the NDA - discussions about exam scenarios is out of bound for us.

However, generally speaking - To create a local repo in RHEL 9, you have to do the following steps in a nutshell :

- a. Mount the RHEL 9 ISO file (download it from here
- : https://access.redhat.com/downloads/content/479/ver=/rhel---9/9.0/x86_64/product-software) to a directory

#mkdir -p /mnt/disc # mount -o loop rhel-baseos-9.0-x86 64-dvd.iso /mnt/disc

b. You need to create a local repository file in "/etc/yum.repos.d" directory. This file will define the location of your local repository. Create a file with a name but with a .repo extension, eg. rhel9.repo with the correct file paths as per your system. The content of /etc/yum.repos.d/rhel9.repo will look something like this

```
# vi /etc/yum.repos.d/rhel9.repo
[Base0S]
name=BaseOS Packages Red Hat Enterprise Linux 9
metadata_expire=-1
gpgcheck=1
enabled=1
baseurl=file:///mnt/disc/BaseOS/
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-redhat-release
[AppStream]
name=AppStream Packages Red Hat Enterprise Linux 9
metadata_expire=-1
gpgcheck=1
enabled=1
baseurl=file:///mnt/disc/AppStream/
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-redhat-release
```

c. Update the package index : #dnf clean all

#dnf repolist

d. Done! If everything is ok and without any issues, you can start installing packages with

#dnf install <package-name>

#dnf check-update

Refer: https://access.redhat.com/documentation/enus/red_hat_enterprise_linux/9/html-single/managing_softwa...

View solution in original post



8 Replies



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```
# vi /etc/yum.repos.d/rhel9.repo
[BaseOS]
name=BaseOS Packages Red Hat Enterprise Linux 9
metadata_expire=-1
gpgcheck=1
enabled=1
baseurl=file:///mnt/disc/BaseOS/
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-redhat-release
[AppStream]
name=AppStream Packages Red Hat Enterprise Linux 9
metadata_expire=-1
gpgcheck=1
enabled=1
baseurl=file:///mnt/disc/AppStream/
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-redhat-release
```

c. Update the package index: #dnf clean all

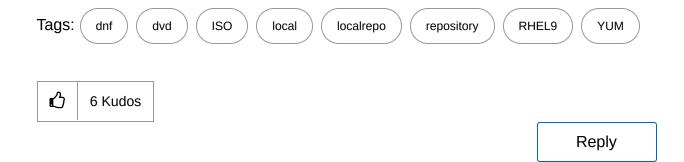
#dnf repolist

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Refer: https://access.redhat.com/documentation/enus/red hat enterprise linux/9/html-single/managing_softwa...





11-24-2023 05:08 AM **33.8**K Views

Chetan has provided another complete and easy to follow explanation. I'll just add one something, that is the equivalent of sprinkling a little salt on a gourmet meal:

\$ sudo yum list available

- this will simply list all of the packages in all repos

Trevor "Red Hat Evangelist" Chandler



Reply

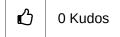


11-24-2023 01:20 PM **33.8K** Views

Thanks <u>@Trevor</u> for your addition.

and one can use *grep* to filter out packages available only in a specific repo eg. epel repo :

yum list available | grep epel



Reply



11-27-2023 03:35 PM **③ 33.3**K Views

Hello @Chetan_Tiwary_,

I think my question is about part a now... I am currently booted in a VirtualBox instance of red hat 9.3. Inside of the vm, do i need to go into firefox and download that dvd.iso file or should it already be available?

I am trying these two commands and it is giving me a failure to setup loop device for it:

#mkdir -p /mnt/disc

mount -o loop rhel-baseos-9.3-x86_64-dvd.iso /mnt/disc

I am using locate to see if I have the dvd.iso but it returns nothing: # locate rhel-baseos-9.3-x86_64-dvd.iso

Thank you for the help!



Reply



11-27-2023 04:31 PM **③ 33.3**K Views

Yes, you have to download the ISO through a browser and then you can proceed with the next steps.



Reply



11-29-2023 08:38 AM **33.2**K Views

As usual perfect explanation <a>@Chetan_Tiwary_



1 Kudo

Reply



06-01-2024 03:57 PM **② 26.3K** Views

Hey! Apologies for being late to the party.

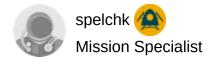
Out of interest would you need to persistently mount the iso file, via fstab, for the repo to work after a reboot?

Thanks!



0 Kudos

Reply



04-25-2024 03:45 PM **② 28.9K** Views

Question,

Correction, for a remote DVD repository, would you need to enter gpgkey? if so, would you still point to /etc/pki/rpm-gpg or would you point to http://x.x.x.x/dvd/RPM-GPG



1 Kudo

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