

YUM Repositories and Appstream

Task 1.

In this lab you will setup a yum repository with rpms in it.
You will test the repo and ask a colleague to use it.

This will require two machines.

Centos-41 and Centos-42
Centos-43 and Centos-44
And so on...
Centos-51 and Centos-52

Task 2.

In this lab you will install php using yum install @module:version/profile
After that you will update the module to a later version.

Task 1. Apache repository

In this example the reposer server is centos-47 and the client is centos-48

1. Create a directory that will hold your packages and download a single package.
Then create and update /localrepo

```
[root@centos-47 ~]# mkdir /localrepo

[root@centos-47 ~]# yum install createrepo
[root@centos-47 ~]# yum install yum-utils

[root@centos-47 ~]# yum install -y ksh --downloadonly --downloaddir \
/localrepo
[root@centos-47 ~]# yum install -y mc --downloadonly --downloaddir \
/localrepo

[root@centos-47 ~]# createrepo --update /localrepo
```

2. Create a repository file that holds the new repository

```
[root@centos-47 ~]# cd /etc/yum.repos.d
```

```
[root@centos-47 yum.repos.d]# vi centos47.repo
[localrepo]
name=localrepo
metadata_expire=-1
enabled=1
baseurl=file:///localrepo/
```

3. Check your work

```
[root@centos-47 yum.repos.d]# yum repolist
repo id          repo name
appstream        CentOS Linux 8 - AppStream
baseos           CentOS Linux 8 - BaseOS
epel             Extra Packages for Enterprise Linux 8 -
x86_64
epel-modular     Extra Packages for Enterprise Linux Modular 8
- x86_64
extras           CentOS Linux 8 - Extras
localrepo        localrepo
```

4. Clean up the cache

```
[root@centos-47 yum.repos.d]# yum clean all
41 files removed
```

5. Install httpd, enable and start

```
[root@centos-47 yum.repos.d]# yum install -y httpd
```

```
[root@centos-47 yum.repos.d]# systemctl enable httpd
```

```
[root@centos-47 yum.repos.d]# systemctl start httpd
```

6. Edit httpd.conf with the new DocumentRoot and change the section below that as follows

```
[root@centos-47 yum.repos.d]# vi /etc/httpd/conf/httpd.conf

#
DocumentRoot "/localrepo"
```

```
#
# Relax access to content within /localepo.
#
<Directory "/localrepo">
  Options All Indexes FollowSymLinks
  AllowOverride None
  Require all granted
</Directory>
```

7. Restart httpd

```
[root@centos-47 yum.repos.d]# systemctl restart httpd
```

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On the partner vm centos-48

8. Move all repofiles to a backupdir

```
[root@centos-48 yum.repos.d]# cd /etc/yum.repos.d
[root@centos-48 yum.repos.d]# mkdir ../backuprepor/
[root@centos-48 yum.repos.d]# mv * ../backuprepor/
```

9. Create a repo file for the centos47 repository

```
[root@centos-48 yum.repos.d]# vi centos47repo
[centos47repo]
name=centos47repo
enabled=1
gpgcheck=0
baseurl=http://192.168.4.147/
```

10. Check the repolist and install ksh

```
[root@centos-48 yum.repos.d]# yum repolist
repo id                repo name
centos47repo           centos47repo
```

```
[root@centos-48 yum.repos.d]# yum install ksh
```

11. Restore the other repo files

```
[root@centos-48 yum.repos.d]# mv ../backuprepor/* .
```

