

COMP3066 – Week 02 Assignment

- This is an individual assignment.
- The completed work has to be uploaded to the drop box on D2L.
- Email submissions will not be accepted.
- **Reminder:**
- The screenshot taking guidelines must be followed (these can be found in our course on D2L under the “Course Content”
- **User account:** Your lastname and then the first letter of the first name. For example: my name is Nikolai (first) Ivanov (last), so my user name is ivanovn
- **Host name of your Linux VM:** Your full last name, the dash character, and the two letters of the first name. For example: my name is Nikolai (first) Ivanov (last), so my host name is ivanov-ni
- Screenshots that do not show the properly configured user account and host name will not be accepted

Objective: To Update SUSE Leap 15 32 bit Linux.

Task 01

- Package repositories: https://en.opensuse.org/SDB:Add_package_repositories
- Working with repositories: <https://opensuse-guide.org/repositories.php>
- Verify that the following repositories are added to the list:
 - o Oss
 - o Update
 - o Non-oss
 - o Update non-oss
 - o Source
 - o Debug
 - o Update debug
 - o Update debug Non-oss
 - o The list of repositories: http://en.opensuse.org/Package_repositories

Here is how the output of the “zypper lr” command should look like:

```
ivanovn@ivanov-ni:~> zypper lr
Repository priorities are without effect. All enabled repositories share the same priority.
```

#	Alias	Name	Enabled	GPB Check	Refresh
1	openSUSE-Leap-15.6-1	openSUSE-Leap-15.6-1	No	----	----
2	repo-backports-debug-update	Update repository with updates for ->	No	----	----
3	repo-backports-update	Update repository of openSUSE Backp->	Yes	(r) Yes	Yes
4	repo-debug	Debug Repository	No	----	----
5	repo-debug-non-oss	Debug Repository (Non-OSS)	No	----	----
6	repo-debug-update	Update Repository (Debug)	No	----	----
7	repo-debug-update-non-oss	Update Repository (Debug, Non-OSS)	No	----	----
8	repo-non-oss	Non-OSS Repository	Yes	(r) Yes	Yes
9	repo-openh264	Open H.264 Codec (openSUSE Leap)	Yes	(r) Yes	Yes
10	repo-oss	Main Repository	Yes	(r) Yes	Yes
11	repo-sle-debug-update	Update repository with debuginfo fo->	No	----	----
12	repo-sle-update	Update repository with updates from->	Yes	(r) Yes	Yes
13	repo-source	Source Repository	No	----	----
14	repo-update	Main Update Repository	Yes	(r) Yes	Yes
15	repo-update-non-oss	Update Repository (Non-Oss)	Yes	(r) Yes	Yes

```
ivanovn@ivanov-ni:~> █
```

et to auto-refresh the repo-update and repo-update-non-oss repositories

Task 02

- Perform system update
- Guide to performing system update: https://en.opensuse.org/System_Updates

Task 03

- Learn to use zypper as well as YaST software management to manage system/user software
 - o Guide to using YaST software management:
https://en.opensuse.org/YaST_Software_Management
 - o Guide to using zypper: https://en.opensuse.org/SDB:Zypper_usage_11.3
- Remove nano and tree
- Install nano and tree:
 - o nano (with YaST software management)
 - o tree (with zypper)

Submission:

Take the screenshots of your work as requested below and submit this completed document to the dropbox on D2L:

1. Terminal window showing the hostname and the output of the “zypper lr” command. This screenshot should be taken after you enabled and set to auto-refresh the repo-source and repo-source-non-oss repositories:

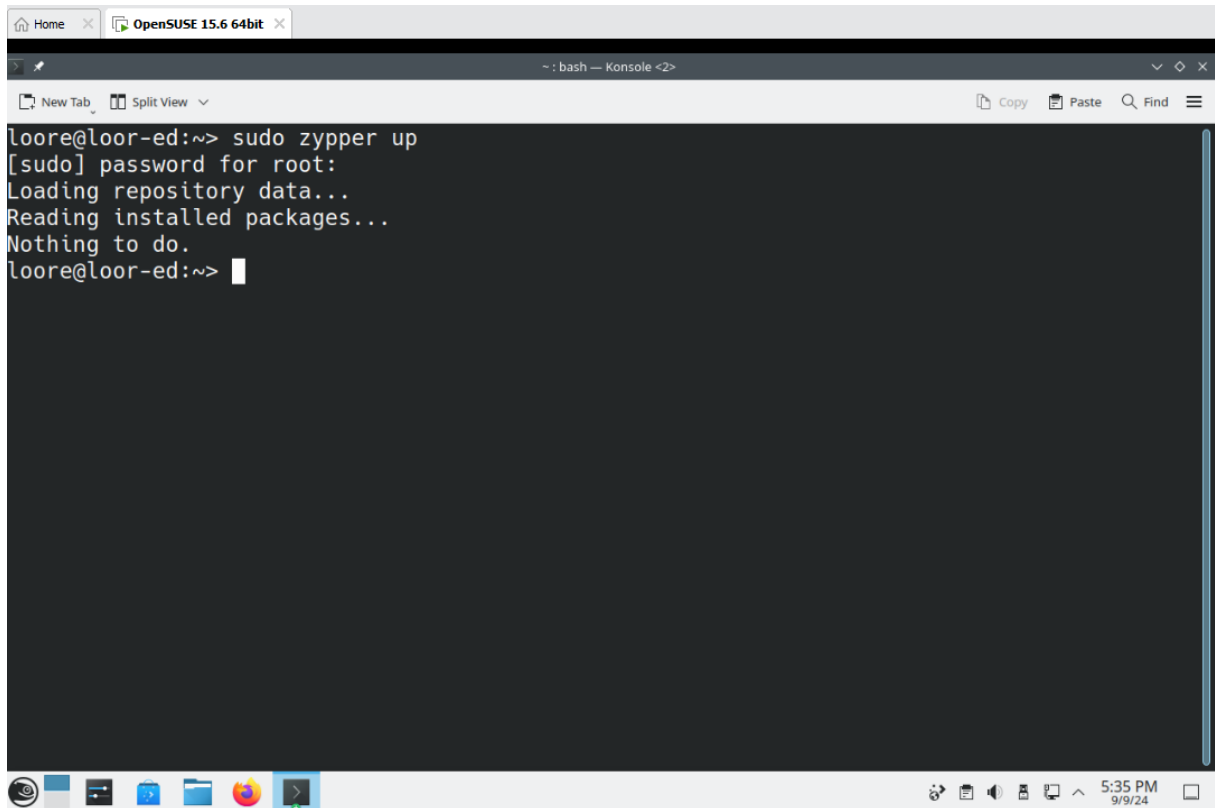
replace the sample screenshot with your own screenshot:

```
loore@loor-ed:~> zypper lr
Repository priorities are without effect. All enabled repositories share the same priority.

# | Alias | Name | Enabled | GPG Check | Refresh
---+-----+-----+-----+-----+-----
1 | Main_OSS_Repo | Main OSS -> | Yes | ( r ) Yes | Yes
2 | openSUSE-Leap-15.6-1 | openSUSE--> | No | ---- | ----
3 | repo-backports-debug-update | Update re-> | No | ---- | ----
4 | repo-backports-update | Update re-> | Yes | ( r ) Yes | Yes
5 | repo-debug | Debug Rep-> | No | ---- | ----
6 | repo-debug-non-oss | Debug Rep-> | No | ---- | ----
7 | repo-debug-update | Update Re-> | No | ---- | ----
8 | repo-debug-update-non-oss | Update Re-> | No | ---- | ----
9 | repo-non-oss | Non-OSS R-> | Yes | ( r ) Yes | Yes
10 | repo-openh264 | Open H.26-> | Yes | ( r ) Yes | Yes
11 | repo-oss | Main Repo-> | Yes | ( r ) Yes | Yes
12 | repo-sle-debug-update | Update re-> | No | ---- | ----
13 | repo-sle-update | Update re-> | Yes | ( r ) Yes | Yes
14 | repo-source | Source Re-> | No | ---- | ----
15 | repo-update | Main Upda-> | Yes | ( r ) Yes | Yes
16 | repo-update-non-oss | Update Re-> | Yes | ( r ) Yes | Yes
loore@loor-ed:~>
```

2. Terminal window showing the hostname and the output of the “zypper up” command. This screenshot should be taken after you fully update your Linux installation:

replace the sample screenshot with your own screenshot:

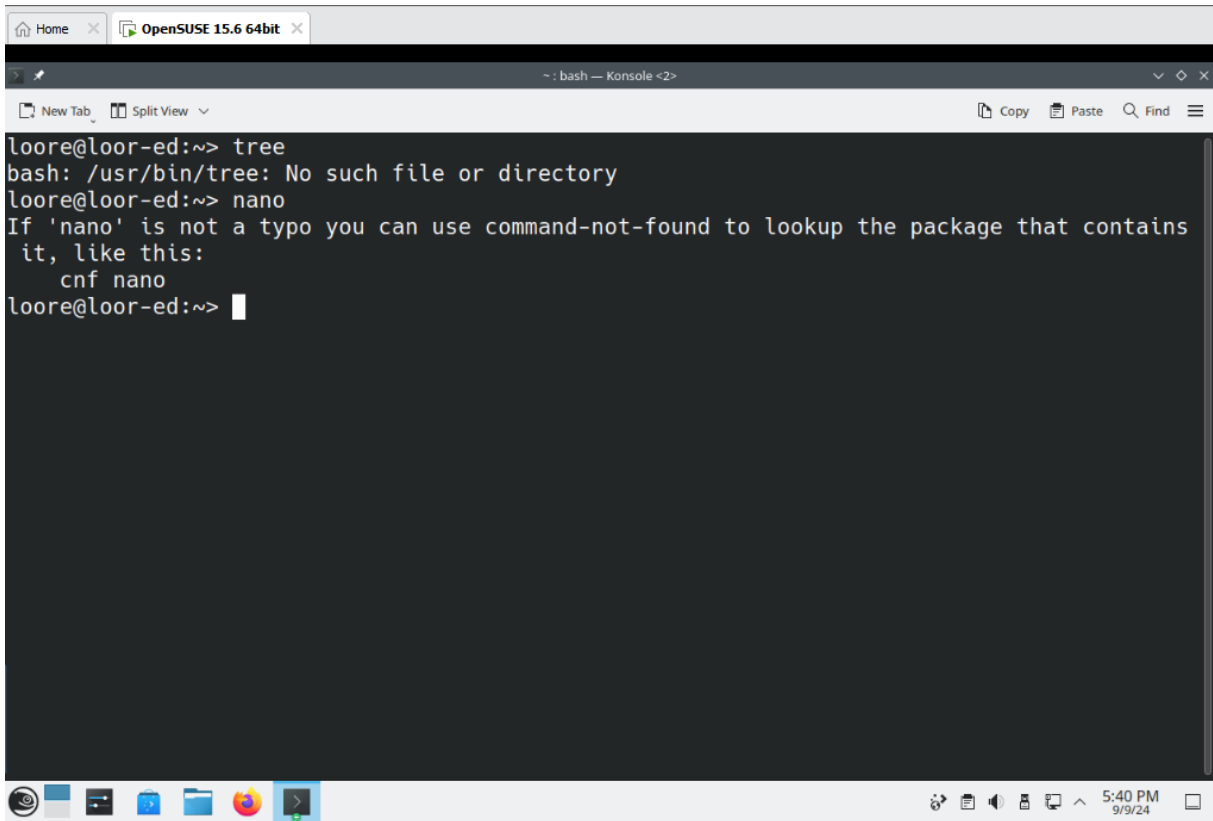


```
loore@loor-ed:~> sudo zypper up
[sudo] password for root:
Loading repository data...
Reading installed packages...
Nothing to do.
loore@loor-ed:~>
```

The screenshot shows a terminal window titled "OpenSUSE 15.6 64bit" with a dark background. The user "loore" is at the prompt "loore@loor-ed:~>". They have entered the command "sudo zypper up". The terminal shows the password prompt "[sudo] password for root:" followed by the output "Loading repository data...", "Reading installed packages...", and "Nothing to do.". The prompt "loore@loor-ed:~>" is shown again. The window has a standard Linux desktop environment with a taskbar at the bottom showing various application icons and a system tray on the right with the date and time "5:35 PM 9/9/24".

3. Terminal window showing the hostname and the output of the “nano” and “tree” commands. This screenshot should be taken after you removed “nano” and “tree” from Linux:

replace the sample screenshot with your own screenshot:



The screenshot shows a terminal window titled "OpenSUSE 15.6 64bit" with a "bash — Konsole <2>" prompt. The terminal output is as follows:

```
loore@loor-ed:~> tree
bash: /usr/bin/tree: No such file or directory
loore@loor-ed:~> nano
If 'nano' is not a typo you can use command-not-found to lookup the package that contains
it, like this:
  cnf nano
loore@loor-ed:~> 
```

The terminal window has a standard Linux desktop environment at the bottom with various icons and a system tray showing the time as 5:40 PM on 9/9/24.

4. Terminal window showing the hostname and the output of the “nano” and “tree” commands. This screenshot should be taken after you install “nano” and “tree”:

replace the sample screenshot with your own screenshot:

