LPIC-1 101-400 – Lesson 14 – Lab

* Enter into your Lab environment

- # **ls -la /lib** # show libraries under /lib

- # **ls -la /lib53** # show libraries under /lib64

- # **ls -l /usr/lib** # show user libraries

- # **ldd /bin/bash** # show library dependencies for the bash executable

- # **ldd /usr/bin/top** # show library dependencies for the top executable

- # **ldd $(which ls)** # show library dependencies for the ls executable

- # **ls -l /lib64/ld-linux-x86-64.so.2** # show the dynamic linker binary file

- # **file /lib64/ld-linux-x86-64.so.2** # show type of file

- # **file /lib64/ld-linux-x86-64.so.2** # show type of the target file

- # **ls -lad /etc/ld*** # show Dynamic Linker configuration files

- # **ls -la /etc/ld*** # same but with directory contents

Lesson 14 – Lab

- \# **file /etc/ld.so.cache** # what is the type of this file?

- \# **file /etc/ld.so.conf** # how about this?

- \# **cat /etc/ld.so.conf** # show contents of configuration

- \# **ls -la /etc/ld.so.conf.d/** # show files under **ld.so.conf.d**

- \# **cat /etc/ld.so.conf.d/*.conf** # show the content of files
    under **ld.so.conf.d**

- \# **mkdir /root/lib** # create a custom library directory

- \# **find /lib/ /lib64/ -name 'libdl*.so' -exec cp {}**
    /root/lib \; # Copy libdl*.so in /root/bin

- \# **ls -la /root/lib/** # show contents of /root/lib/

- \# **vi /etc/ld.so.conf.d/custom.conf** # Add the directory in the
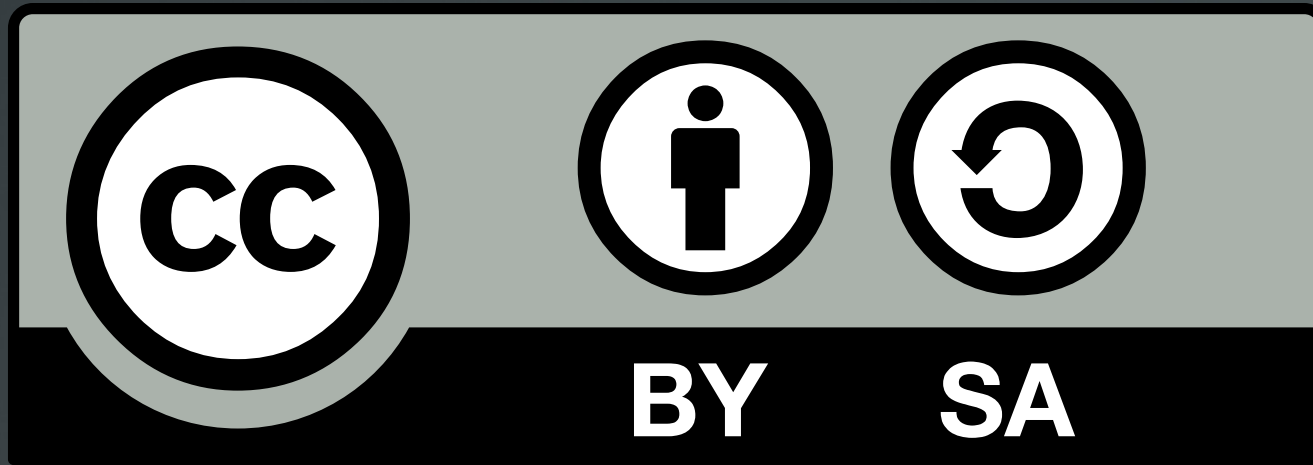   # ld configuration
    i
      /root/lib
    :wq

- \# **stat /etc/ld.so.cache** # show timestamps of **ld.so.cache**

- \# **ldconfig** # update

- \# **ldconfig -p | grep libdl** # find the libdl library

Lesson 14 – Lab

- # **stat /etc/ld.so.cache** # show timestamps of **ld.so.cache** again
- # **ls -la /root/lib/** # show contents of /root/lib/ again. Any differences?

License