Introduction to filesystem and shell IT WS I - Lecture 2

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Contents

- Introduction to filesystem
 - About files / directories
 - Working with files / directories

- - Shell commands





• What is file?



- What is file?
- What is directory?



- What is file?
- What is directory?
- Windows Drives





- What is file?
- What is directory?
- Windows Drives
- Linux root



- What is file?
- What is directory?
- Windows Drives
- Linux root
- Path
 - Absolute path





- What is file?
- What is directory?
- Windows Drives
- Linux root
- Path
 - Absolute path
 - Relative path



• Creating / Editing / Deleting simple text files using GUI editor





- Creating / Editing / Deleting simple text files using GUI editor
- Cut / Copy / Paste text





- Creating / Editing / Deleting simple text files using GUI editor
- Cut / Copy / Paste text
- Creating / Deleting / Moving directories



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- Information of file size / folder size





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- Explain storage units like bits, bytes, nibble, KB, MB, GB



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- Zipping files, Creating .zip, .tar, .tar.gz, .tar.bz2
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- Explain storage units like bits, bytes, nibble, KB, MB, GB
- Data transfer units bits/sec and storage device specication units.





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 - Working with files / directories

- Introduction to shell
 - Shell commands





• ls, ls -1, ls -a



- ls, ls -1, ls -a
- mkdir, mkdir -p



- ls, ls -1, ls -a
- mkdir, mkdir -p
- rmdir



- ls, ls -1, ls -a
- mkdir, mkdir -p
- rmdir
- touch



- ls, ls -1, ls -a
- mkdir, mkdir -p
- rmdir
- touch
- rm, rm -r, rm -f



- ls, ls -1, ls -a
- mkdir, mkdir -p
- rmdir
- touch
- rm, rm -r, rm -f
- cd



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- ls, ls -1, ls -a
- mkdir, mkdir -p
- rmdir
- touch
- rm, rm -r, rm -f
- cd
- echo



- ls, ls -1, ls -a
- mkdir, mkdir -p
- rmdir
- touch
- rm, rm -r, rm -f
- cd
- echo
- clear





• gedit (Not shell command, GUI editor)



- gedit (Not shell command, GUI editor)
- tree



- gedit (Not shell command, GUI editor)
- tree
- mv



- gedit (Not shell command, GUI editor)
- tree
- mv
- cp, cp -r, cp -u, cp -p



- gedit (Not shell command, GUI editor)
- tree
- mv
- cp, cp -r, cp -u, cp -p
- cat



- gedit (Not shell command, GUI editor)
- tree
- mv
- cp, cp -r, cp -u, cp -p
- cat
- more



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- more
- less



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- mv
- cp, cp -r, cp -u, cp -p
- cat
- more
- less
- head, head -<number>



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- cp, cp -r, cp -u, cp -p
- cat
- more
- less
- head, head -<number>
- tail, tail -<number>





- gedit (Not shell command, GUI editor)
- tree
- mv
- cp, cp -r, cp -u, cp -p
- cat
- more
- less
- head, head -<number>
- tail, tail -<number>
- WC





• du, du -s, du -h, du -sh



- du, du -s, du -h, du -sh
- tar cvf tar xvf



- du, du -s, du -h, du -sh
- tar cvf tar xvf
- gzip



- du, du -s, du -h, du -sh
- tar cvf tar xvf
- gzip
- gunzip



- du, du -s, du -h, du -sh
- tar cvf tar xvf
- gzip
- gunzip
- bzip2





- du, du -s, du -h, du -sh
- tar cvf tar xvf
- gzip
- gunzip
- bzip2
- bunzip2



- du, du -s, du -h, du -sh
- tar cvf tar xvf
- gzip
- gunzip
- bzip2
- bunzip2
- zip





- du, du -s, du -h, du -sh
- tar cvf tar xvf
- gzip
- gunzip
- bzip2
- bunzip2
- zip
- unzip





which



- which
- whereis



- which
- whereis
- apropos



- which
- whereis
- apropos
- man, man -aK



- which
- whereis
- apropos
- man, man -aK
- find



- which
- whereis
- apropos
- man, man -aK
- find
- locate



- which
- whereis
- apropos
- man, man -aK
- find
- locate
- grep, grep -v, grep -A<n>, grep -B<n>









- W
- who





- W
- who
- whoami



- W
- who
- whoami
- /sbin/ifconfig





- W
- who
- whoami
- /sbin/ifconfig
- ping



- W
- who
- whoami
- /sbin/ifconfig
- ping
- ln, ln -s



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- W
- who
- whoami
- /sbin/ifconfig
- ping
- ln, ln -s
- free, free -m



- W
- who
- whoami
- /sbin/ifconfig
- ping
- ln, ln -s
- free, free -m
- script



- W
- who
- whoami
- /sbin/ifconfig
- ping
- ln, ln -s
- free, free -m
- script
- df, df -h





- W
- who
- whoami
- /sbin/ifconfig
- ping
- ln, ln -s
- free, free -m
- script
- df, df -h
- chmod



