Filesystem and shell IT WS I - Lecture 2

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Contents

- Filesystem
 - About files / directories
 - Working with files / directories

- 2 Introduction to shell
 - 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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- Explain storage units like bits, bytes, nibble, KB, MB, GB
- Data transfer units bits/sec and storage device specication units.





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• 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



- 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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- less



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- cp, cp -r, cp -u, cp -p
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- 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>
- 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>



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



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



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











- 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





- 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





• ssh



- ssh
- scp



- ssh
- scp
- rsync





- ssh
- scp
- rsync
- passwd



