198099@cameron:~$ ruptime

Lubuntu up 5:58, 0 users, load 0.00, 0.00, 0.00

Mint down 4+22:49

Sheylunn-UX3down 4+23:31

User down 5+01:52

cameron up 14+00:13, 17 users, load 1.06, 1.10, 1.09

client01 down 3+20:56

client02 up 0:37, 1 user, load 0.00, 0.00, 0.00

client04 down 3+21:33

client05 down 1:06

client06 up 5:58, 2 users, load 0.00, 0.00, 0.00

client07 down 5+01:19

client18 down 18+06:18

client19 down 3+20:56

client20 up 5:58, 0 users, load 0.02, 0.01, 0.00

client21 down 18+06:10

client22 down 1:33

dell down 6+01:13

nedosekovivadown 4+01:52

198099@cameron:~$ ping client20

PING client20 (192.168.2.56) 56(84) bytes of data.

64 bytes from client20 (192.168.2.56): icmp\_seq=1 ttl=64 time=0.139 ms

64 bytes from client20 (192.168.2.56): icmp\_seq=2 ttl=64 time=0.146 ms

64 bytes from client20 (192.168.2.56): icmp\_seq=3 ttl=64 time=0.142 ms

64 bytes from client20 (192.168.2.56): icmp\_seq=4 ttl=64 time=0.135 ms

--- client20 ping statistics ---

4 packets transmitted, 4 received, 0% packet loss, time 3065ms

rtt min/avg/max/mdev = 0.135/0.140/0.146/0.012 ms

198099@cameron:~$ rlogin client20

ssh: connect to host client20 port 22: Connection refused

198099@cameron:~$ telnet client20

Trying 192.168.2.56...

telnet: Unable to connect to remote host: Connection refused

198099@cameron:~$ uname -a

Linux cameron 4.15.0-60-generic #67~16.04.1-Ubuntu SMP Mon Aug 26 08:57:33 UTC 2019 x86\_64 x86\_64 x86\_64 GNU/Linux

stud@alisa:~$ ssh -X -Y -p 6789 198099@172.16.80.213 uname -a

198099@172.16.80.213's password:

Linux cameron 4.15.0-60-generic #67~16.04.1-Ubuntu SMP Mon Aug 26 08:57:33 UTC 2019 x86\_64 x86\_64 x86\_64 GNU/Linux

198099@cameron:~$ ssh-keygen -t dsa

Generating public/private dsa key pair.

Enter file in which to save the key (/stud/198099/.ssh/id\_dsa):

Enter passphrase (empty for no passphrase):

Enter same passphrase again:

Your identification has been saved in /stud/198099/.ssh/id\_dsa.

Your public key has been saved in /stud/198099/.ssh/id\_dsa.pub.

The key fingerprint is:

SHA256:okHryYfvHO4bKmGTjLOdK+MgyDkFiqzGHGvVhAXUuKo 198099@cameron

The key's randomart image is:

+---[DSA 1024]----+

| .o+ |

| . o |

| + |

| . + . |

|+ +o=\*\* S . |

|o\*o.== o |

|=oo=o+. A + |

|E.=.+ \* + . |

|+oo+.o..+=+ |

+----[SHA256]-----+

198099@cameron:~$ ssh cameron 'cat >>.ssh/authorized\_keys' <.ssh/id\_dsa.pub

The authenticity of host 'cameron (192.168.2.200)' can't be established.

ECDSA key fingerprint is SHA256:DgUsqIdq1yMUox4a6AROLgDi4YaK2TGOu6aVASsdfSA.

Are you sure you want to continue connecting (yes/no)? yes

Warning: Permanently added 'cameron,192.168.2.200' (ECDSA) to the list of known hosts.

198099@cameron's password:

stud@alisa:~$ ssh -X -Y -p 6789 198099@172.16.80.213

198099@172.16.80.213's password:

Welcome to Ubuntu 16.04.5 LTS (GNU/Linux 4.15.0-60-generic x86\_64)

\* Documentation: https://help.ubuntu.com

\* Management: https://landscape.canonical.com

\* Support: https://ubuntu.com/advantage

Могут быть обновлены 137 пакетов.

0 обновлений касаются безопасности системы.

New release '18.04.2 LTS' available.

Run 'do-release-upgrade' to upgrade to it.

\*\*\* Требуется перезагрузка системы \*\*\*

Last login: Sat Sep 21 15:42:56 2019 from 172.16.80.30

198099@cameron:~$ ssh -X -Y client06

198099@client06's password:

Welcome to Ubuntu 17.04 (GNU/Linux 4.10.0-19-generic i686)

\* Documentation: https://help.ubuntu.com

\* Management: https://landscape.canonical.com

\* Support: https://ubuntu.com/advantage

Могут быть обновлены 226 пакетов.

150 обновлений касаются безопасности системы.

Your Ubuntu release is not supported anymore.

For upgrade information, please visit:

http://www.ubuntu.com/releaseendoflife

New release '18.04.2 LTS' available.

Run 'do-release-upgrade' to upgrade to it.

Last login: Sat Sep 21 16:42:49 2019 from 192.168.2.200

198099@cameron:~$ scp qwe client06:

198099@client06's password:

qwe 100% 7 0.0KB/s 00:00

198099@client06:~$ cat qwe

QWErty

198099@client06:~$ echo ASDfgh > f2

198099@cameron:~$ scp client06:f2 .

198099@client06's password:

f2 100% 7 0.0KB/s 00:00

198099@cameron:~$ cat f2

ASDfgh

198099@cameron:~$ echo file1 > dir/f1 file2 > dir/f2

198099@cameron:~$ scp -r dir client06:

198099@client06's password:

f1 100% 0 0.0KB/s 00:00

f2 100% 12 0.0KB/s 00:00

198099@cameron:~$ scp -r client06:dir2 .

198099@client06's password:

f12 100% 0 0.0KB/s 00:00

f22 100% 12 0.0KB/s 00:00

198099@cameron:~$ rsync -a dir2 client06:

198099@client06's password:

198099@cameron:~$ mv dir2/f1 dir2/f111

198099@client06:~$ ls dir2

f111 f2

198099@cameron:~$ mkdir dir3 && echo file3>dir3/f3 file4>dir3/f4

198099@cameron:~$ tar -cf - dir3 | ssh client06 'tar -C . -xf -'

198099@client06:~$ ls dir3 && cat dir3/\*

f3 f4

file3 file4

198099@cameron:~$ pax -w dir4 | ssh client06 'pax -r'

198099@client06's password:

198099@cameron:~$ ssh -X -Y client06 "ls; ls dir4 && cat dir4/\*"

198099@client06's password:

client06

dir2

dir3

dir4

f2

folder

laba2.txt

laba2.txt~

qwe

f5

f6

file5 file6

198099@cameron:~$ sftp client06

198099@client06's password:

Connected to client06.

sftp> ls

client06 dir2 dir3 dir4 f2 folder laba2.txt laba2.txt~ qwe

sftp> pwd

Remote working directory: /stud/198099

sftp> cd dir4

sftp> ls

f5 f6

sftp> ls ..

../client06 ../dir2 ../dir3 ../dir4 ../f2 ../folder ../laba2.txt ../laba2.txt~ ../qwe

sftp> put qwe

Uploading qwe to /stud/198099/qwe

qwe 0% 0 0.0KB/s --:-- ETA

sftp> get qwe

Fetching /stud/198099/qwe to qwe

sftp> mput f2

Uploading f2 to /stud/198099/f2

f2 0% 0 0.0KB/s --:-- ETA

sftp> mget f2 dir2.tar

Fetching /stud/198099/f2 to dir2.tar

198099@cameron:~$ tar -cf dir2.tar dir2

198099@cameron:~$ ls

client06 dir2.tar dir4 folder laba2.txt~ qwe

dir2 dir3 f2 laba2.txt lastproto

198099@cameron:~$ pax -w -x tar dir2 > dir22.tar

198099@cameron:~$ ls

client06 dir2.tar f2 laba2.txt~

dir2 dir3 folder lastproto

dir22.tar dir4 laba2.txt qwe

198099@cameron:~$ pax -w dir2 > dir2.pax

198099@cameron:~$ ls

client06 dir2.pax dir4 laba2.txt qwe

dir2 dir2.tar f2 laba2.txt~

dir22.tar dir3 folder lastproto

198099@cameron:~$ tar -xf dir2.tar

198099@cameron:~$ pax -r < dir2.pax

198099@cameron:~$ gzip -9 -c dir2.tar > dir2.tgz

198099@cameron:~$ pax -w -x cpio dir2 > dir2.pax

198099@cameron:~$ tar -zcf dir2.tar.gz dir2.tar dir22.tar

198099@cameron:~$ tar -jcf dir2.tar.bz2 dir2.tar dir22.tar

198099@cameron:~$ ls

client06 dir2.tar dir3 laba2.txt

dir2 dir2.tar.bz2 dir4 laba2.txt~

dir22.tar dir2.tar.gz f2 lastproto

dir2.pax dir2.tgz folder qwe

198099@cameron:~$ gzip -c -d dir2.tgz | tar -xf -

198099@cameron:~$ ls

client06 dir2.tar dir3 laba2.txt

dir2 dir2.tar.bz2 dir4 laba2.txt~

dir22.tar dir2.tar.gz f2 lastproto

dir2.pax dir2.tgz folder qwe

198099@cameron:~$

198099@cameron:~$ echo 'some text' > file

198099@cameron:~$ iconv -c -f koi8-r -t cp1251 file

some text

198099@cameron:~$ echo 'какой-то текст' >> file

198099@cameron:~$ iconv -c -f koi8-r -t cp1251 file

some text

�����-�� �����

198099@cameron:~$ iconv -f gb2312 -t utf-8 file some text

泻邪泻芯泄-iconv: illegal input sequence at position 21

198099@cameron:~$ cat file

some text

какой-то текст

198099@cameron:~$ unix2dos file

unix2dos: преобразование файла file в формат DOS ...

198099@cameron:~$ cat file

some text

какой-то текст

198099@cameron:~$ dos2unix file

dos2unix: преобразование файла file в формат Unix ...

198099@cameron:~$ cat file

some text

какой-то текст

198099@cameron:~$