**Отчет по лабораторной работе №3** по курсу фундаментальная информатика

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Работа выполнена: « » \_\_\_\_\_\_\_\_\_\_\_\_201\_\_\_г.

Преподаватель: \_\_\_\_\_\_\_ каф. 806 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Входной контроль знаний с оценкой \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Отчет сдан « » \_\_\_\_\_\_\_\_\_201 \_\_ г., итоговая оценка \_\_\_\_\_

Подпись преподавателя \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. **Тема:** Сети и телекоммуникации в OC Unix \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. **Цель работы:** Изучение работы сетевых команд консоли OC Unix\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_

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1. **Задание** (*вариант №*)**:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. **Оборудование** (лабораторное):

ЭВМ Intel Pentium G2140, процессор \_\_\_\_3.30 GHz \_\_, имя узла сети \_Cameron\_\_\_\_\_\_\_ с ОП \_\_8096\_\_\_\_\_\_\_\_ Мб, НМД \_\_7906\_\_\_\_\_ Мб. Терминал \_\_ASUS\_\_\_ адрес \_\_\_dev/pets/3\_\_\_\_\_\_\_. Принтер \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Другие устройства \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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*Оборудование ПЭВМ студента, если использовалось:*

Процессор \_\_Intel core i5 2.60 GHz\_ с ОП \_\_8096\_ Мб, НМД \_ 131072\_ Мб. Монитор \_\_\_\_\_\_\_dell\_\_\_\_\_\_\_\_\_\_\_\_\_

Другие устройства \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. **Программное обеспечение (лабораторное):**

Операционная система семейства \_\_\_Unix\_\_\_\_, наименование \_\_\_\_\_Ubuntu\_\_\_\_\_\_\_\_\_\_\_\_ версия \_\_4.15.0\_\_\_\_\_\_

интерпретатор команд \_\_\_\_bash\_\_\_\_\_\_\_\_ версия \_\_\_4.4.20\_\_\_\_

Система программирования \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ версия \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Редактор текстов \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ версия \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Утилиты операционной системы \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Прикладные системы и программы \_\_\_Команды hostname, ping, ssh, sftp, put, scp, tar, gzip, pax, rlogin \_\_\_\_\_\_\_\_\_

Местонахождение и имена файлов программ и данных\_\_stud/208104 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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*Программное обеспечение ЭВМ студента, если использовалось:*

Операционная система семейства \_\_\_Unix\_\_\_\_, наименование \_\_Fedora\_\_\_\_\_\_\_\_\_\_\_\_ версия \_\_\_32 \_\_\_\_\_\_\_\_\_\_

интерпретатор команд \_\_\_\_bash\_\_\_\_\_\_\_\_ версия \_\_5.0.17\_\_\_\_.

Система программирования \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_версия \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Редактор текстов \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ версия \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Утилиты операционной системы \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Прикладные системы и программы \_\_\_Команды hostname, ping, ssh, sftp, put, scp, tar, gzip, pax, rlogin \_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Местонахождение и имена файлов программ и данных на домашнем компьютере \_\_\_\_\_\_home/Temich \_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**6. Идея, метод, алгоритм** решения задачи(в формах:словесной,псевдокода,графической[блок-схема,диаграмма,рисунок,таблица] или формальные спецификации с пред- и постусловиями)

1. Изучить справочный материал и дополнительную литературу. Послушать лекцию, посетить консультацию

2. Собственноручно проделать основные примеры и продемонстрировать владение сетевыми средствами.

3. Запротоколировать содержательное подмножество сеанса. Оформить отчет на бланке

1. **Сценарий выполнения работы** [план работы,первоначальный текст программы в черновике(можно на отдельном листе)итесты либо соображения по тестированию].

|  |  |  |
| --- | --- | --- |
| № | утилита | Комментарий |
| 1 | rlogin [-p] <6789> <208104@172.16.80.213> | Подключение к удаленной машине <208104@172.16.80.213>, используя порт 6789 |
| 2 | telnet [options] [host] [port] | Cоздание интерактивного соединения между удаленными компьютерами. Хост - это домен удаленного компьютера, к которому следует подключиться, а порт - порт на этом компьютере. |
| 3 | hostname [-i] | Вывод IP адреса |
| 4 | rsync [-a] dir axp6: | Синхронизация каталогов на разных ЭВМ |
| 5 | ssh [-x] [-y] [-p] 6789 208104@172.16.80.213 | Подключение к удаленной машине через ssh |
| 6 | ping 0 | Узнать пинг локальной сети |
| 7 | logout | Прервать соединение с локальной машиной |
| 8 | scp file1 208104@172.16.80.213:`pwd` | Копирование файла «file1» на удаленную машину в текущую директорию удаленной машины.`pwd` является результатом выполнения команды pwd |
| 9 | scp 208104@172.16.80.213:/home/file | Копирование файла «file» с удаленной машины в текущую директорию |
| 10 | scp -r dir1 ssh 208104@172.16.80.213 „tar -c stud/118001 -xf -“  tar -cf - dir1 | ssh 208104@172.16.80.213 „tar -c stud/118001 -xf -“  pax -w dir1| ssh 208104@172.16.80.213 „pax -r“ | Копирование директории «dir1» на удаленную машину. Примечательно, что второй вариант работает быстрее. |
| 11 | ftp 208104@172.16.80.213 | Подключение к удаленной машине через протокол ftp |
| 12 | sftp 208104@172.16.80.213 | Подключение по протоколу sftp к удаленной машине |
| 13 | get file2 | Получить файл «file2» с удаленной машины |
| 14 | put file1 | Копировать файл «file1» с локальной машины на удаленную |
| 15 | mput \*.tu  mget kurs?.c | Аналоги команд «put» и «get» для групповой передачи файлов по маске |
| 16 | tar [-cf] name.tar dir  pax [-w] [-x] tar dir > name.tar  pax [-w] dir > name.pax | Создает архив «name.tar» и помещает в него все файлы и поддиректории указанной директории «dir» |
| 17 | quit, exit | Прервать соединение с удаленной машиной |
| 18 | tar [-xf] name.tar  pax [-r] < name.pax | Разархивирует архив «name.tar» в текущую директорию |
| 19 | tar -tvf name.tar  pax < name.pax | Просмотр оглавления архива |
| 20 | gzip -9 -c name.tar > name.tgz  pax -w -x cpio «имя директории» > name.pax  tar -zcf «имя архива».tar.gz «имена сжимаемых файлов»  tar -jcf «имя архива» tar.bz2 «имнеа сжимаемых файлов» | Упаковка |
| 21 | gzip -d -c «name».tgz > «name».tar  gzip -c -d a.tgz | tar -xf - | Распаковка. Второй вариант — с одновременной разархивацией. |

*Пункты 1-7 отчета составляются сторого до начала лабораторной работы.*

*Допущен к выполнению работы.* **Подпись преподавателя****\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **Распечатка протокола** (подклеить листинг окончательного варианта программы с тестовыми примерами,подписанныйпреподавателем).

stud@alice21:~$ hostname -i

127.0.1.1

stud@alice21:~$ ping 0

PING 0 (127.0.0.1) 56(84) bytes of data.

64 bytes from 127.0.0.1: icmp\_seq=1 ttl=64 time=0.026 ms

64 bytes from 127.0.0.1: icmp\_seq=2 ttl=64 time=0.032 ms

64 bytes from 127.0.0.1: icmp\_seq=3 ttl=64 time=0.035 ms

64 bytes from 127.0.0.1: icmp\_seq=4 ttl=64 time=0.036 ms

64 bytes from 127.0.0.1: icmp\_seq=5 ttl=64 time=0.032 ms

64 bytes from 127.0.0.1: icmp\_seq=6 ttl=64 time=0.031 ms

64 bytes from 127.0.0.1: icmp\_seq=7 ttl=64 time=0.035 ms

64 bytes from 127.0.0.1: icmp\_seq=8 ttl=64 time=0.036 ms

64 bytes from 127.0.0.1: icmp\_seq=9 ttl=64 time=0.035 ms

64 bytes from 127.0.0.1: icmp\_seq=10 ttl=64 time=0.032 ms

64 bytes from 127.0.0.1: icmp\_seq=11 ttl=64 time=0.036 ms

^C

--- 0 ping statistics ---

11 packets transmitted, 11 received, 0% packet loss, time 10243ms

rtt min/avg/max/mdev = 0.026/0.033/0.036/0.005 ms

stud@alice21:~$ ping 192.168.2.120

PING 192.168.2.120 (192.168.2.120) 56(84) bytes of data.

64 bytes from 192.168.2.120: icmp\_seq=1 ttl=64 time=0.133 ms

64 bytes from 192.168.2.120: icmp\_seq=2 ttl=64 time=0.132 ms

64 bytes from 192.168.2.120: icmp\_seq=3 ttl=64 time=0.130 ms

64 bytes from 192.168.2.120: icmp\_seq=4 ttl=64 time=0.100 ms

^C

--- 192.168.2.120 ping statistics ---

4 packets transmitted, 4 received, 0% packet loss, time 3055ms

rtt min/avg/max/mdev = 0.100/0.123/0.133/0.019 ms

stud@alice21:~$ ruptime

alice1 down 1:02

alice10 down 1:48

alice11 up 3:34, 1 user, load 0.00, 0.00, 0.00

alice12 down 19+23:03

alice19 up 3:34, 1 user, load 0.00, 0.01, 0.01

alice2 down 1:02

alice20 up 3:34, 1 user, load 2.04, 2.19, 1.92

alice21 up 3:37, 1 user, load 0.00, 0.00, 0.00

alice22 up 3:37, 1 user, load 0.00, 0.01, 0.00

alice23 up 3:37, 1 user, load 0.08, 0.07, 0.01

alice24 down 19+23:03

alice3 up 3:19, 1 user, load 0.00, 0.00, 0.00

alice6 down 7+01:12

alice7 down 13+23:00

alice8 up 3:28, 1 user, load 0.00, 0.00, 0.00

alice9 down 6+23:27

alisa up 3:37, 1 user, load 0.00, 0.00, 0.00

alisa18 up 3:34, 1 user, load 0.06, 0.04, 0.06

stud@alice21:~$ ssh 192.168.2.103

The authenticity of host '192.168.2.103 (192.168.2.103)' can't be established.

ECDSA key fingerprint is SHA256:zcRacoJJBI9TprdUoNqLVGa/nIFBcxrUmy0xDYg0xEA.

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

Warning: Permanently added '192.168.2.103' (ECDSA) to the list of known hosts.

stud@192.168.2.103's password:

Welcome to Ubuntu 18.04.5 LTS (GNU/Linux 4.15.0-114-generic x86\_64)

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

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

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

\* Canonical Livepatch is available for installation.

- Reduce system reboots and improve kernel security. Activate at:

https://ubuntu.com/livepatch

Могут быть обновлены 142 пакета.

104 обновления касаются безопасности системы.

Доступна новая версия «20.04.1 LTS».

Чтобы обновиться до него, выполните «do-release-upgrade».

Last login: Thu Sep 17 15:36:21 2020 from 192.168.2.109

stud@alice21:~$

stud@alice21:~$ rlogin -p 6789 208104@172.16.80.213

208104@172.16.80.213's password:

Welcome to Ubuntu 18.04.5 LTS (GNU/Linux 4.15.0-112-generic x86\_64)

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

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

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

\* Canonical Livepatch is available for installation.

- Reduce system reboots and improve kernel security. Activate at:

https://ubuntu.com/livepatch

284 packages can be updated.

66 updates are security updates.

4 updates could not be installed automatically. For more details,

see /var/log/unattended-upgrades/unattended-upgrades.log

Last login: Thu Oct 15 18:13:05 2020 from 172.16.80.30

stud@alice21:~$ cd home/stud

stud@alice21:~/home/stud$ cat >prc

1234

stud@alice21:~/home/stud$ ls

aa abc f1 f2 prc t.txt

stud@alice21:~/home/stud$ exit

выход

Connection to 192.168.2.113 closed.

stud@alice21:~$ scp 192.168.2.113:home/stud/prc home/stud/qq

stud@192.168.2.113's password:

prc 100% 25 42.2KB/s 00:00

stud@alice21:~$ cd home/stud

stud@alice21:~/home/stud$ ls

1.jpg file1 file2 qq

stud@alice21:~/home/stud$ cat qq

1234

stud@alice21:~$ scp 192.168.2.113:`pwd`/ff qqq

stud@192.168.2.113's password:

ff 100% 0 0.0KB/s 00:00

208104@cameron:~$ telnet alpha

Trying 192.168.2.202...

telnet: Unable to connect to remote host: Connection refused

2.4 208104@cameron:~$ scp -r pkp 208104@alpha:

Password for 208104@Alpha:

208104@cameron:~$ ssh alpha

Password for 208104@Alpha:

Last login: Thu Oct 15 18:41:33 2020 from 192.168.2.200

\_\_,gnnnOCCCCCOObaau,\_

\_.\_ \_\_,gnnCCCCCCCCOPF"''

(N\\XCbngg,.\_\_\_\_\_.,gnnndCCCCCCCCCCCCF"\_\_\_,,,,\_\_\_

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\N\\XCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCPF"'' ─░▄█▀▄─▒██░░░▒▐█▀█░▐█░▐█─░▄█▀▄─

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\NN\ OS NetBSD 8.0

\NN\ CPU Alpha

\NNA. RAM 1024 MB

\NNA,

\NNN, Note: GNU make (gmake) works

\NNN\ better than native

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208104@Alpha ~ $ ls

fil file1 file2 pkp

208104@cameron:~$ mkdir pka

208104@cameron:~$ rsync -a pka 208104@alpha:

Password for 208104@Alpha:

208104@cameron:~$ ssh alpha

Password for 208104@Alpha:

Last login: Thu Oct 15 18:44:15 2020 from 192.168.2.200

\_\_,gnnnOCCCCCOObaau,\_

\_.\_ \_\_,gnnCCCCCCCCOPF"''

(N\\XCbngg,.\_\_\_\_\_.,gnnndCCCCCCCCCCCCF"\_\_\_,,,,\_\_\_

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\NN\ OS NetBSD 8.0

\NN\ CPU Alpha

\NNA. RAM 1024 MB

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\NNN, Note: GNU make (gmake) works

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208104@Alpha ~ $ ls

fil file1 file2 pka pkp

208104@Alpha ~ $ sftp 208104@alpha

Password for 208104@Alpha:

Connected to alpha.

sftp> mput file\*

Uploading file1 to /stud/208104/file1

file1 0% 0 0.0KB/s 0.0KB/s --:-- ETA

Uploading file2 to /stud/208104/file2

file2 0% 0 0.0KB/s 0.0KB/s --:-- ETA

sftp> mget fil

Fetching /stud/208104/fil to fil

/stud/208104/fil 0% 0 0.0KB/s 0.0KB/s --:-- ETA

sftp> quit

stud@alice21:~$ ssh -X -Y -p 6789 208104@172.16.80.213

208104@172.16.80.213's password:

Welcome to Ubuntu 18.04.5 LTS (GNU/Linux 4.15.0-112-generic x86\_64)

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

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

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

\* Canonical Livepatch is available for installation.

- Reduce system reboots and improve kernel security. Activate at:

https://ubuntu.com/livepatch

284 packages can be updated.

66 updates are security updates.

4 updates could not be installed automatically. For more details,

see /var/log/unattended-upgrades/unattended-upgrades.log

Last login: Thu Sep 24 15:34:16 2020 from 172.16.80.30

208104@cameron:~$ ruptime

ASUS down 1+19:50

AesPeople down 6+00:51

cameron up 16+03:52, 1 user, load 0.07, 0.02, 0.00

client01 down 1+18:26

client02 down 1+23:15

client03 down 1+19:47

client04 down 1+18:24

client05 down 1+18:38

client06 down 1+18:23

client07 down 1+23:18

client08 down 1+18:40

client09 down 3+19:01

client10 down 1+18:23

client11 down 1+18:24

client12 down 3+21:34

client13 down 1+19:26

client14 down 1+19:57

client15 down 1+18:23

client16 down 2+00:28

client17 down 4+20:59

client18 down 1+19:27

client19 down 1+19:24

client20 down 1+18:22

client21 down 1+18:24

client22 down 8+20:00

client23 down 1+19:10

client24 down 1+19:37

client3 down 24+17:57

client4 down 24+17:56

client6 down 24+17:27

dell3582 down 1+18:28

hp down 1+23:06

localhost down 30+03:01

notebook down 1+23:19

roman-Nitro-down 1+18:50

semen-HP-Notdown 1+23:32

sergey-Virtudown 1+19:21

sofya-Lenovodown 27+22:42

208104@cameron:~$ cat >file1

1234

208104@cameron:~$ scp file1 208104@alpha:~

Password for 208104@Alpha:

file1 100% 5 3.0KB/s 00:00

208104@cameron:~$ ssh alpha

Password for 208104@Alpha:

Last login: Thu Sep 24 16:59:13 2020 from 192.168.2.200

\_\_,gnnnOCCCCCOObaau,\_

\_.\_ \_\_,gnnCCCCCCCCOPF"''

(N\\XCbngg,.\_\_\_\_\_.,gnnndCCCCCCCCCCCCF"\_\_\_,,,,\_\_\_

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\NN\ OS NetBSD 8.0

\NN\ CPU Alpha

\NNA. RAM 1024 MB

\NNA,

\NNN, Note: GNU make (gmake) works

\NNN\ better than native

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208104@Alpha ~ $ cat >file2

1234

208104@Alpha ~ $ exit

logout

Connection to alpha closed.

208104@cameron:~$ scp 208104@alpha:~/file2 .

Password for 208104@Alpha:

file2 100% 5 3.7KB/s 00:00

208104@cameron:~$ ls

file1 file2

208104@cameron:~$ ssh alpha

Password for 208104@Alpha:

Last login: Thu Sep 24 17:02:02 2020 from 192.168.2.200

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\_.\_ \_\_,gnnCCCCCCCCOPF"''

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\NN\ OS NetBSD 8.0

\NN\ CPU Alpha

\NNA. RAM 1024 MB

\NNA,

\NNN, Note: GNU make (gmake) works

\NNN\ better than native

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\NNNA

208104@Alpha ~ $ ls

file1 file2

sftp 208104@alpha

Password for 208104@Alpha:

Connected to alpha.

sftp> pwd

Remote working directory: /stud/208104

sftp> ls -l

-rw-r--r-- 1 208104 208104 5 Sep 24 17:01 file1

-rw-r--r-- 1 208104 208104 5 Sep 24 17:02 file2

3.6 sftp> get file1

Fetching /stud/208104/file1 to file1

/stud/208104/file1 100% 5 0.2KB/s 00:00

sftp> put file2

Uploading file2 to /stud/208104/file2

file2 100% 5 3.4KB/s 00:00

sftp> quit

stud@alice21:~/home/stud$ tar -cf qa.tar 11

stud@alice21:~/home/stud$ tar -tvf qa.tar

drwxr-xr-x stud/stud 0 2020-10-05 14:11 11/

-rw-r--r-- stud/stud 2 2019-09-16 16:55 11/file1.txt

stud@alice21:~/home/stud$ tar -xf qa.tar

stud@alice21:~/home/stud$ gzip -9 -c fff1.tar > qa.tar

stud@alice21:~/home/stud$ tar -zcf fff1.tar.gz 11

stud@alice21:~/home/stud$

sftp> put 417.jpg

Uploading 417.jpg to /home/stud/417.jpg

417.jpg 100% 43KB 14.4MB/s 00:00 sftp> get ff1

Fetching /home/stud/ff1 to ff1

/home/stud/ff1 100% 43KB 14.3MB/s 00:00 sftp> bye

stud@alice21:~/home/stud$ tar -cf fff1.tar stud

tar: stud: Функция stat завершилась с ошибкой: Нет такого файла или каталога tar: Завершение работы с состоянием неисправности из-за возникших ошибок stud@alice21:~/home/stud$ tar -cf fff1.tar 11

stud@alice21:~/home/stud$ tar -cf qa.tar 11

stud@alice21:~/home/stud$ tar -tvf qa.tar

drwxr-xr-x stud/stud 0 2020-10-05 14:11 11/

-rw-r--r-- stud/stud 2 2019-09-16 16:55 11/file1.txt

stud@alice21:~/home/stud$ tar -xf qa.tar

stud@alice21:~/home/stud$ gzip -9 -c fff1.tar > fffa.tar

stud@alice21:~/home/stud$ tar -zcf fff1.tar.gz 11

stud@alice21:~/home/stud$ iconv -c -f koi8-r -t cp1251 file1.txt

iconv: невозможно открыть входной файл «file1.txt»: Нет такого файла или каталога stud@alice21:~/home/stud$ cd 11

stud@alice21:~/home/stud/aa$ iconv -c -f koi8-r -t cp1251 file1.txt

stud@alice21:~/home/stud/aa$ iconv -f gb2312 -t utf-8 file1.txt

stud@alice21:~/home/stud/aa$ unix2dos <file1.txt>

bash: синтаксическая ошибка рядом с неожиданным маркером «newline»

stud@alice21:~/home/stud/aa$ unix2dos file1.txt

Command 'unix2dos' not found, but can be installed with:

apt install dos2unix

Please ask your administrator.

1. **Дневник отладки** должен содержать дату и время сеансов отладки, и основные события(ошибки в сценарии и программе,нестандартные ситуации) и краткие комментарии к ним. В дневнике отладки приводятся сведения об использовании других ЭВМ, существенном участии преподавателя и других лиц в написании и отладке программы.

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| --- | --- | --- | --- | --- | --- | --- |
| № | Лаб. | Дата | Время | Событие | Действие по исправлению | Примечание |
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1. **Замечания автора** по существу работы \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. **Выводы**

Я научился пользоваться сетевыми командами консоли ОС Unix \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Недочёты при выполнении задания могут быть устранены следующим образом: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Подпись студента \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_