

These screen shots show the process of creating three very simple shell scripts in bash.

preuss : bash

File Edit View Scrollback Bookmarks Settings Help

preuss@msctclinux:~> ls

bin cptr2224 Desktop Documents information.txt lab.txt md5sum.txt public_html temp

preuss@msctclinux:~>

preuss : bash

preuss : bash

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```
preuss@msctclinux:~> ls
bin cptr2224 Desktop Documents information.txt lab.txt md5sum.txt public_html temp
preuss@msctclinux:~> mkdir scripts
preuss@msctclinux:~> ls
bin cptr2224 Desktop Documents information.txt lab.txt md5sum.txt public_html scripts temp
preuss@msctclinux:~>
```

preuss : bash

Desktop Folder

User preuss on msctclinux

openSUSE



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KWrite

Text Editor
KWrite-su



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Applications



Computer



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Desktop Folder



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My Computer



Office



Online Help



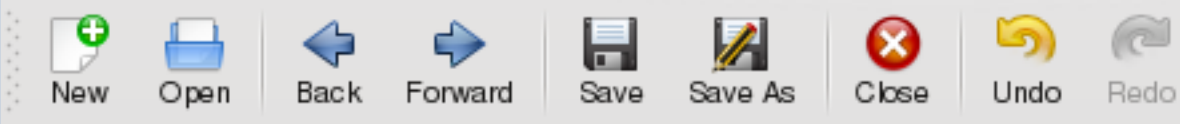
openSUSE

Session Chooser - Kate

Session Name : Open Documents
Default Session 0

Always use this choice

+ New Session Open Session X Quit



Documents
Filesystem Browser

```
#!/bin/bash
# This is a very, very simple shell script.
# Tim Preuss 12/02/2008
#
echo This is a sample shell script.
```

Line: 6 Col: 1 INS LINE Untitled

Find in Files Terminal

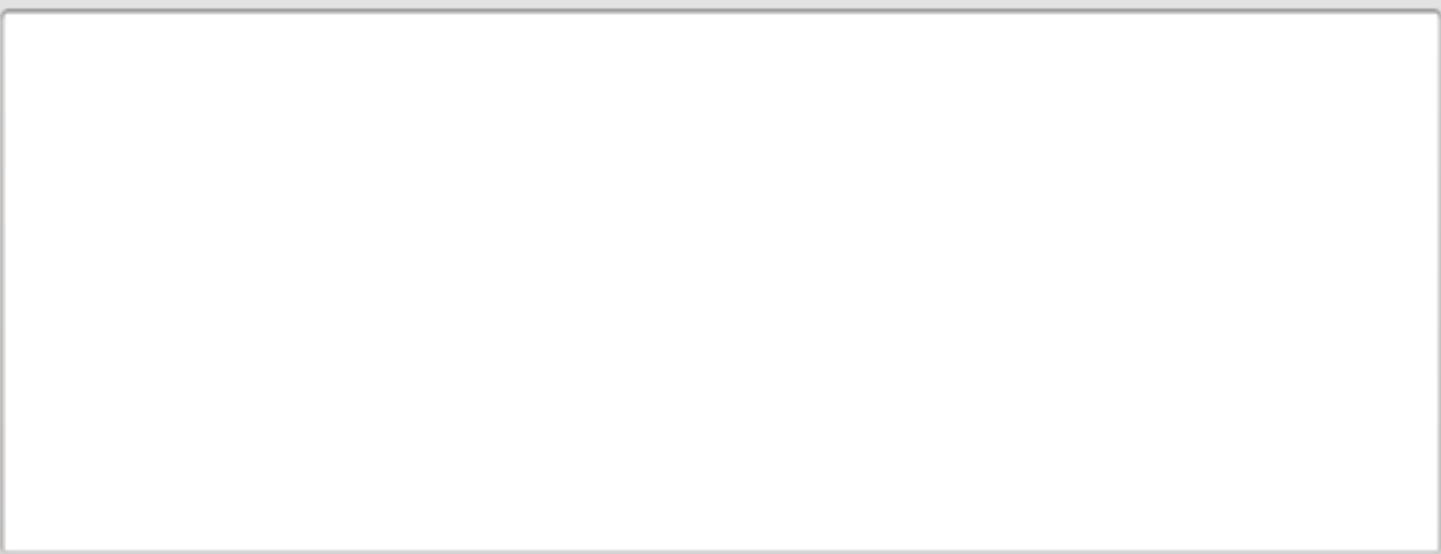
Untitled [modified] - Kate

File Edit Document View Bookmarks Tools Sessions Settings Window Help

Save File - Kate

Navigation icons: Home, Back, Forward, Refresh, Add, Wrench. Path: /home/preuss/scripts

- Home
- Network
- Root
- Trash
- SU11...
- PC FI...



Location: script1

Save

Filter: All Files

Cancel

Encoding: UTF-8

Automatically select filename extension

Find in Files Terminal

scripts : bash

File Edit View Scrollback Bookmarks Settings Help

```
preuss@msctclinux:~/scripts> ls -l
total 4
-rw-r--r-- 1 preuss users 119 2010-02-08 20:04 script1
preuss@msctclinux:~/scripts>
```

scripts : bash


```

scripts : bash
File Edit View Scrollback Bookmarks Settings Help
preuss@msctclinux:~/scripts> ls -l
total 4
-rw-r--r-- 1 preuss users 119 2010-02-08 20:04 script1
preuss@msctclinux:~/scripts> chmod 744 script1

```

scripts : bash

File Edit View Scrollback Bookmarks Settings Help

```

preuss@msctclinux:~/scripts> ls -l
total 4
-rw-r--r-- 1 preuss users 119 2010-02-08 20:04 script1
preuss@msctclinux:~/scripts> chmod 744 script1
preuss@msctclinux:~/scripts> ls -l
total 4
-rwxr--r-- 1 preuss users 119 2010-02-08 20:04 script1
preuss@msctclinux:~/scripts>

```

scripts : bash

```

scripts : bash
File Edit View Scrollback Bookmarks Settings Help
preuss@msctclinux:~/scripts> ls -l
total 4
-rw-r--r-- 1 preuss users 119 2010-02-08 20:04 script1
preuss@msctclinux:~/scripts> chmod 744 script1
preuss@msctclinux:~/scripts> ls -l
total 4
-rwxr--r-- 1 preuss users 119 2010-02-08 20:04 script1
preuss@msctclinux:~/scripts> ./script1

```

```

scripts : bash
File Edit View Scrollback Bookmarks Settings Help
preuss@msctclinux:~/scripts> ls -l
total 4
-rw-r--r-- 1 preuss users 119 2010-02-08 20:04 script1
preuss@msctclinux:~/scripts> chmod 744 script1
preuss@msctclinux:~/scripts> ls -l
total 4
-rwxr--r-- 1 preuss users 119 2010-02-08 20:04 script1
preuss@msctclinux:~/scripts> ./script1
This is a sample shell script.
preuss@msctclinux:~/scripts>

```

script1 [modified] - Kate

File Edit Document View Bookmarks Tools Sessions Settings Window Help

Save File - Kate

/home/preuss/scripts

- Home
- Network
- Root
- Trash
- SU11...
- PC FI...

script1

Location: script2

Save

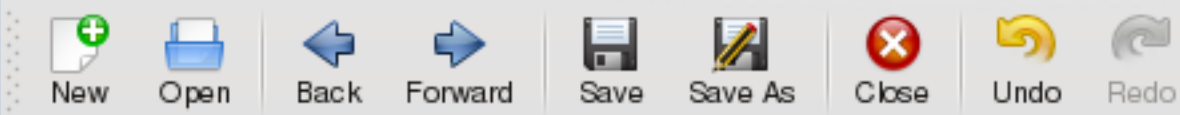
Filter: All Files

Cancel

Encoding: UTF-8

Automatically select filename extension

Find in Files Terminal



Documents
Filesystem Browser

```
#!/bin/bash
# This will sync the clock with MSCTC & MNSCU.
# Tim Preuss 12/02/2008
#
echo Is it time to have fun, yet?
/usr/sbin/ntpdate pool.ntp.org
```

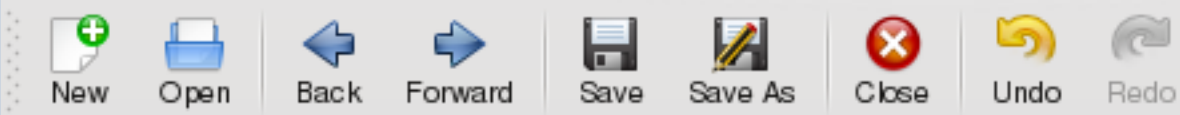
Line: 6 Col: 31 INS LINE script2

Find in Files Terminal

```

scripts : bash
File Edit View Scrollback Bookmarks Settings Help
preuss@msctclinux:~/scripts> ls
script1 script2 script2~
preuss@msctclinux:~/scripts> chmod 744 script2
preuss@msctclinux:~/scripts> ls -l
total 12
-rwxr--r-- 1 preuss users 119 2010-02-08 20:04 script1
-rwxr--r-- 1 preuss users 150 2010-02-08 20:09 script2
-rw-r--r-- 1 preuss users 150 2010-02-08 20:09 script2~
preuss@msctclinux:~/scripts>

```



Documents
Filesystem Browser

```
#!/bin/bash
# This will sync the clock with MSCTC & MNSCU.
# Tim Preuss 12/02/2008
#
echo Is it time to have fun, yet?
/usr/sbin/sntp -P no -r pool.ntp.org
```

Line: 6 Col: 37 INS LINE script2

Find in Files Terminal

scripts : bash

File Edit View Scrollback Bookmarks Settings Help

```

Is it time to have fun, yet?
!!!!!!!!!!!!!!!!!! WARNING !!!!!!!!!!!!!!!!!!!!!!!

The ntpdate program is deprecated and should not be used any more. To
quote the upstream ntp developers:

"The functionality ntpdate offered is now provided by the ntpd daemon
itself. If you call ntpd with the command line option -q it will
retrieve the current time and set it accordingly."

Please check the Network Time Protocol (NTP) daemon man page and
http://support.ntp.org/bin/view/Dev/DeprecatingNtpdate
for further information.

You can replace the ntpdate call with "rntp ntpset" to achieve an
initial poll of the servers specified in /etc/ntp.conf.

The program /usr/sbin/sntp offers comparable functionality to ntpdate.
Specifically
  sntp -P no -r pool.ntp.org
is equivalent to
  ntpdate pool.ntp.org

For further details please refer to the man page of sntp.
msctclinux:/home/preuss/scripts # ./script2

```

scripts : bash

script2 [modified] - Kate

File Edit Document View Bookmarks Tools Sessions Settings Window Help

Save File - Kate

Navigation icons and path: /home/preuss/scripts

Filesystem Browser Documents

- Home
- Network
- Root
- Trash
- SU11...
- PC FI...

- script1
- script2
- script2~

Location: script3

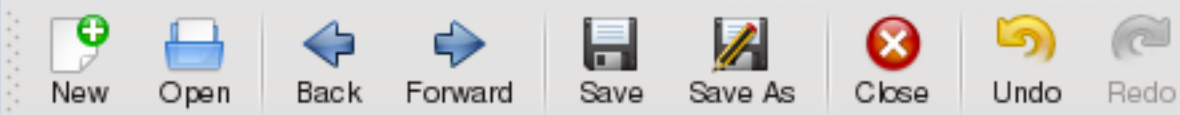
Filter: All Files

Encoding: UTF-8

Automatically select filename extension

Save Cancel

Find in Files Terminal



Documents
Filesystem Browser

```
#!/bin/bash
# Description Collect info on core dump files and
# create file with home directory size.
#
# Remember, you must be root to run this script properly!
#
# Tim Preuss 12/02/2008
#

touch /home/preuss/core
find /home -name core -execdir rm '{}' \;
du /home >>/tmp/home_sizes.txt
```

Line: 13 Col: 1 INS LINE script3

Find in Files Terminal

scripts : bash

File Edit View Scrollback Bookmarks Settings Help

```

msctclinux:/home/preuss/scripts # ls
script1 script2 script2~ script3 script3~
msctclinux:/home/preuss/scripts # chmod 744 script3
msctclinux:/home/preuss/scripts # ls -l
total 20
-rwxr--r-- 1 preuss users 119 2010-02-08 20:04 script1
-rwxr--r-- 1 preuss users 156 2010-02-08 20:11 script2
-rwxr--r-- 1 preuss users 150 2010-02-08 20:11 script2~
-rwxr--r-- 1 preuss users 290 2010-02-08 20:12 script3
-rw-r--r-- 1 preuss users 290 2010-02-08 20:12 script3~
msctclinux:/home/preuss/scripts #

```

scripts : bash

scripts : bash

File Edit View Scrollback Bookmarks Settings Help

```

msctclinux:/home/preuss/scripts # ls
script1 script2 script2~ script3 script3~
msctclinux:/home/preuss/scripts # chmod 744 script3
msctclinux:/home/preuss/scripts # ls -l
total 20
-rwxr--r-- 1 preuss users 119 2010-02-08 20:04 script1
-rwxr--r-- 1 preuss users 156 2010-02-08 20:11 script2
-rwxr--r-- 1 preuss users 150 2010-02-08 20:11 script2~
-rwxr--r-- 1 preuss users 290 2010-02-08 20:12 script3
-rw-r--r-- 1 preuss users 290 2010-02-08 20:12 script3~
msctclinux:/home/preuss/scripts # ./script3

```

scripts : bash

```

scripts : bash
File Edit View Scrollback Bookmarks Settings Help
-rwxr--r-- 1 preuss users 290 2010-02-08 20:12 script3
-rw-r--r-- 1 preuss users 290 2010-02-08 20:12 script3~
-rwxr--r-- 1 preuss users 156 2010-02-08 20:11 script2
-rwxr--r-- 1 preuss users 150 2010-02-08 20:11 script2~
-rwxr--r-- 1 preuss users 119 2010-02-08 20:04 script1
preuss@msctclinux:~/scripts> ls -lrt
total 20
-rwxr--r-- 1 preuss users 119 2010-02-08 20:04 script1
-rwxr--r-- 1 preuss users 150 2010-02-08 20:11 script2~
-rwxr--r-- 1 preuss users 156 2010-02-08 20:11 script2
-rw-r--r-- 1 preuss users 290 2010-02-08 20:12 script3~
-rwxr--r-- 1 preuss users 290 2010-02-08 20:12 script3
preuss@msctclinux:~/scripts> md5sum
^c
preuss@msctclinux:~/scripts> md5sum * > md1.txt
preuss@msctclinux:~/scripts> ls
md1.txt script1 script2 script2~ script3 script3~
preuss@msctclinux:~/scripts> cat md1.txt
1911721386889f30be42a160ba8b37ac script1
670eeb3e732c5eb116f41fa134126451 script2
d76add51c99cba51c47140ea8c4b5728 script2~
c1db5375d35d3fdc101315f3582a9075 script3
c1db5375d35d3fdc101315f3582a9075 script3~
preuss@msctclinux:~/scripts> md5sum * > md2.txt
preuss@msctclinux:~/scripts> █

```

```

scripts : bash
File Edit View Scrollback Bookmarks Settings Help
-rwxr--r-- 1 preuss users 290 2010-02-08 20:12 script3
-rw-r--r-- 1 preuss users 290 2010-02-08 20:12 script3~
-rwxr--r-- 1 preuss users 156 2010-02-08 20:11 script2
-rwxr--r-- 1 preuss users 150 2010-02-08 20:11 script2~
-rwxr--r-- 1 preuss users 119 2010-02-08 20:04 script1
preuss@msctclinux:~/scripts> ls -lrt
total 20
-rwxr--r-- 1 preuss users 119 2010-02-08 20:04 script1
-rwxr--r-- 1 preuss users 150 2010-02-08 20:11 script2~
-rwxr--r-- 1 preuss users 156 2010-02-08 20:11 script2
-rw-r--r-- 1 preuss users 290 2010-02-08 20:12 script3~
-rwxr--r-- 1 preuss users 290 2010-02-08 20:12 script3
preuss@msctclinux:~/scripts> md5sum
^c
preuss@msctclinux:~/scripts> md5sum * > md1.txt
preuss@msctclinux:~/scripts> ls
md1.txt script1 script2 script2~ script3 script3~
preuss@msctclinux:~/scripts> cat md1.txt
1911721386889f30be42a160ba8b37ac script1
670eeb3e732c5eb116f41fa134126451 script2
d76add51c99cba51c47140ea8c4b5728 script2~
c1db5375d35d3f3dc101315f3582a9075 script3
c1db5375d35d3f3dc101315f3582a9075 script3~
preuss@msctclinux:~/scripts> md5sum * > md2.txt
preuss@msctclinux:~/scripts> diff md1.txt md2.txt

```

```

scripts : bash
File Edit View Scrollback Bookmarks Settings Help
-rwxr--r-- 1 preuss users 150 2010-02-08 20:11 script2~
-rwxr--r-- 1 preuss users 119 2010-02-08 20:04 script1
preuss@msctclinux:~/scripts> ls -lrt
total 20
-rwxr--r-- 1 preuss users 119 2010-02-08 20:04 script1
-rwxr--r-- 1 preuss users 150 2010-02-08 20:11 script2~
-rwxr--r-- 1 preuss users 156 2010-02-08 20:11 script2
-rw-r--r-- 1 preuss users 290 2010-02-08 20:12 script3~
-rwxr--r-- 1 preuss users 290 2010-02-08 20:12 script3
preuss@msctclinux:~/scripts> md5sum
^C
preuss@msctclinux:~/scripts> md5sum * > md1.txt
preuss@msctclinux:~/scripts> ls
md1.txt  script1  script2  script2~  script3  script3~
preuss@msctclinux:~/scripts> cat md1.txt
1911721386889f30be42a160ba8b37ac  script1
670eeb3e732c5eb116f41fa134126451  script2
d76add51c99cba51c47140ea8c4b5728  script2~
c1db5375d35d3fdc101315f3582a9075  script3
c1db5375d35d3fdc101315f3582a9075  script3~
preuss@msctclinux:~/scripts> md5sum * > md2.txt
preuss@msctclinux:~/scripts> diff md1.txt md2.txt
0a1
> 59180f77cb9daa0acba9b74b27ecb9d  md1.txt
preuss@msctclinux:~/scripts>

```