Fifth Session

Reto Kromer • AV Preservation by reto.ch

Bash for Archivists
Part 3: Advanced Level
7th and 9th July 2020

built-in commands (1)

cd [*options*] [*path*]

echo [*options*] [*string*]

exit [*number*]

getopts *string name* [*arguments*]

built-in commands (2)

local [*options*] *name*[*=value*]

printf *format* [*value_n*]
printf -v *variable format* [*value_n*]

read [*options*] [*variables*]

return [*number*]

built-in commands (3)

unset [*options*] *name_n*

external commands (1)

ffmpeg [*global_options*] [*input_options_n*] **-i** *input_file_n* [*output_options_n*] *output_file_n*

ffplay [*input_options*] *input_file*

ffprobe [*input_options*] *input_file*

external commands (1.1)

ffmpeg

[*global_options*]

[*input_options_n*]
-i *input_file_n*

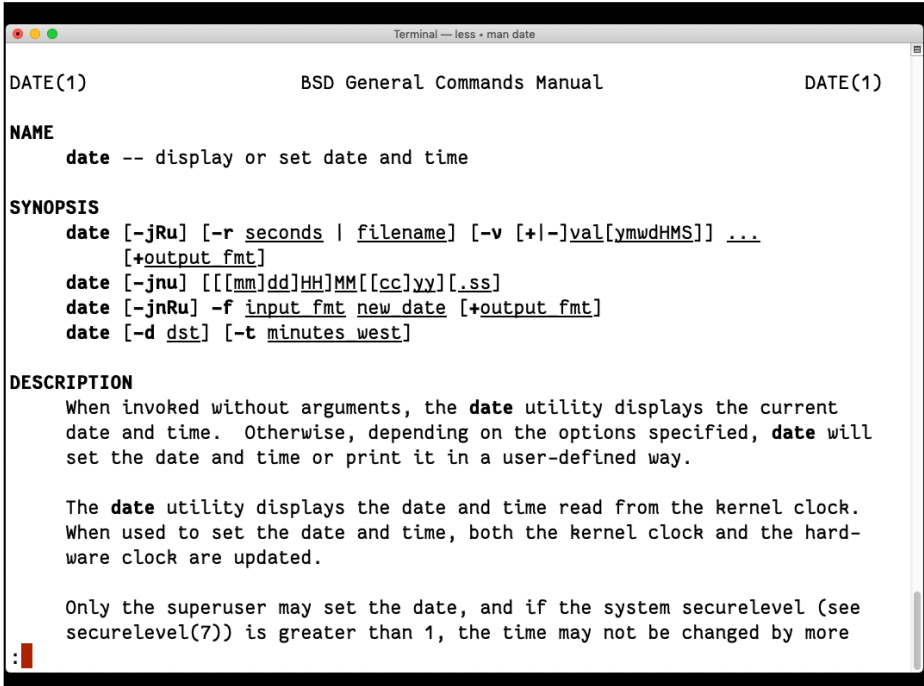[*output_options_n*]
output_file_n

external commands (2)

cat [*options*] *file_n*

date ツ

grep [*options*] *pattern file_n*

head [*options*] *file_n*

```
Terminal — less • man date

DATE(1)                    BSD General Commands Manual                    DATE(1)

NAME
     date -- display or set date and time

SYNOPSIS
     date [-jRu] [-r seconds | filename] [-v [+|-]val[ymwdHMS]] ...
          [+output_fmt]
     date [-jnu] [[[mm]dd]HH]MM[[cc]yy][.ss]
     date [-jnRu] -f input_fmt new_date [+output_fmt]
     date [-d dst] [-t minutes_west]

DESCRIPTION
     When invoked without arguments, the date utility displays the current
     date and time.  Otherwise, depending on the options specified, date will
     set the date and time or print it in a user-defined way.

     The date utility displays the date and time read from the kernel clock.
     When used to set the date and time, both the kernel clock and the hard-
     ware clock are updated.

     Only the superuser may set the date, and if the system securelevel (see
     securelevel(7)) is greater than 1, the time may not be changed by more
:
```

external commands (3)

```
ls [options] [path]

md5 [options] file_n
md5 -s string

mkdir [options] directory_n
```

external commands (4)

```
mktemp [options] template_n
mktemp [options] -t prefix

rm [options] file_n

tee [options] file_n
```

syntax for an **if** statement

```
if condition ; then
  commands
elif condition_n ; then
  commands_n
else
  commands
fi
```

syntax for a **case** statement

```
case variable in
  value_n )
    commands_n
    ;;
esac
```

syntax for a **while** statement

```
while condition ; do
  commands
done
```

syntax for a **for** statement

```
for item [in list] ; do
  commands
done


for (( init; cond; incr )) ; do
  commands
done
```

syntax for a **select** statement

```
select item [in list] ; do
  commands
done
```

AV Preservation by reto.ch

zone industrielle Le Trési 3
1028 Préverenges
Switzerland

Web: reto.ch
Twitter: @retoch
Email: info@reto.ch