

Fourth Session

Reto Kromer • AV Preservation by reto.ch

Bash for Archivists
Part 2: Intermediate Level
30th June and 2nd July 2020

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Bash Syntax

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our working environment

```
cd ~/Desktop  
nano script  
chmod +x script  
./script  
  
drag-and-drop_item
```

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built-in commands (0)

```
#!/path_to_shell  
#!/path_to_programming_language  
  
#!/bin/sh  
#!/bin/bash  
#!/usr/bin/env bash
```

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built-in commands (1)

cd *[options] [path]*

echo *[options] [string]*

exit *[n]*

getopts *string name [arguments]*

5

built-in commands (2)

read *[options] [variables]*

6

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*

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external commands (2)

grep *[options] pattern file_n*

mkdir *[options] directory_n*

8

syntax for an **if** statement

```
if condition ; then  
    command  
elif condition_n ; then  
    command_n  
else  
    command  
fi
```

9

syntax for a **case** statement

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

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syntax for a **while** statement

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

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