

## Sixth Session

Reto Kromer • AV Preservation by reto.ch

**Bash for Archivists**  
Part 3: Advanced Level  
7<sup>th</sup> and 9<sup>th</sup> July 2020

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## Current Versions

```
bash --version  
GNU bash, version 5.0.17(1)-release
```

```
nano --version  
GNU nano, version 4.9.3
```

```
ffmpeg -version  
ffmpeg version 4.3
```

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## The External ffmpeg Command

**ffmpeg**

*[global\_options]*

*[input\_options\_n]*

**-i** *input\_file\_n*

*[output\_options\_n]*

*output\_file\_n*

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## Debugging (1)

```
#!/usr/bin/env bash -x
```

```
#!/usr/bin/env bash  
set -o xtrace
```

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## Debugging (2)

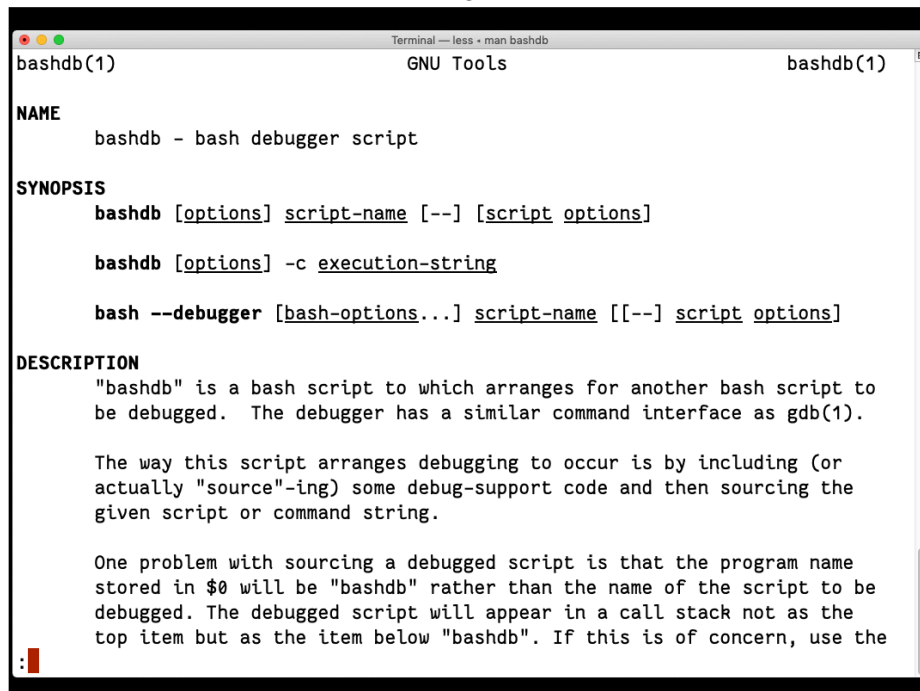
```
#!/usr/bin/env bash
```

```
set -x
```

```
commands
```

```
set +x
```

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```
bashdb(1) GNU Tools bashdb(1)
NAME
  bashdb - bash debugger script
SYNOPSIS
  bashdb [options] script-name [--] [script options]
  bashdb [options] -c execution-string
  bash --debugger [bash-options...] script-name [--] script options
DESCRIPTION
  "bashdb" is a bash script to which arranges for another bash script to
  be debugged. The debugger has a similar command interface as gdb(1).
  The way this script arranges debugging to occur is by including (or
  actually "source"-ing) some debug-support code and then sourcing the
  given script or command string.
  One problem with sourcing a debugged script is that the program name
  stored in $0 will be "bashdb" rather than the name of the script to be
  debugged. The debugged script will appear in a call stack not as the
  top item but as the item below "bashdb". If this is of concern, use the
```

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## Debugging (3)

```
bash [option] script_name
```

```
bash --debugger [bash_options_n]
script_name [--] script_options]
```

```
bashdb ツ
```

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