

The systemd Journal

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systemd

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The system and service manager on most of today's Linux distributions

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If you run a current Linux, you have it

systemd Journal

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The logging framework built into systemd

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If you have systemd, you have the Journal too

Collect everything

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Really, *everything*:

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Initial RAM disk, early boot, late boot, runtime

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Really, *everything*:

Initial RAM disk, early boot, late boot, runtime

Syslog, Standard Output, Standard Error Output, Audit, Kernel
Log Buffer, Native

Structured:

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```
MESSAGE=Hallo  
CODE_FILE=foo.c  
CODE_LINE=4711  
CODE_FUNCTION=foobar  
_PID=4711  
_UID=0  
_EXE=/usr/bin/echo  
_HOSTNAME=miau  
...
```

Implicit Metadata

Implicit Metadata Indexed

Implicit Metadata

Indexed

Trusted

journalctl

journalctl

“Pixel-Perfect” Syslog-Output

journalctl

“Pixel-Perfect” Syslog-Output

But enriched: color, timezone adjusted, complete, decoration

```
# journalctl -n 20
# journalctl -f
# journalctl -b
# journalctl -b -1
# journalctl -e
# journalctl -r
# journalctl -k
# journalctl -u apache
# journalctl -p err
# journalctl --since today
# journalctl --since 2014-01-23
```

```
# journalctl -o verbose
# journalctl _PID=47
# journalctl _COMM=cron
# journalctl _HOSTNAME=delta _PID=1
```

That's all, folks!