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# Pequeñito, preciso y útil

Vol 2

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Por Pablo Martínez Schroder



**open  
south  
code**

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# Pequeño, preciso y útil

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Filosofía UNIX: herramientas pequeñas y eficientes.

Varias décadas solucionando problemas.

En esta presentación vamos a ver otras de esas pequeñas herramientas.

No entraremos en profundos detalles.

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# Logs - Inav

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**Inav** es una herramienta para visualizar logs

- Agrupa logs
- Búsquedas
- Navegación por tiempo

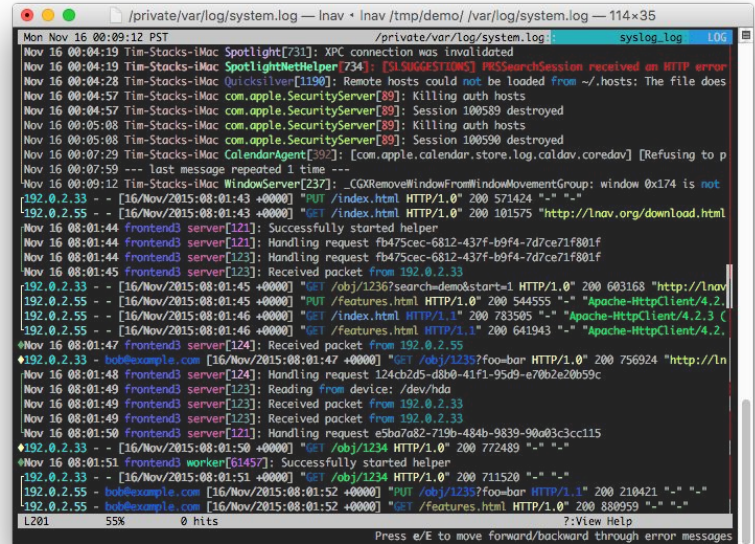
<http://Inav.org/>

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# Logs - Inav

- Extracción de datos
- Genera SQL
- Navegación por tiempo

<http://Inav.org/>



```
Mon Nov 16 00:09:12 PST /private/var/log/system.log -- Inav · Inav /tmp/demo/ /var/log/system.log -- 114x35
/private/var/log/system.log -- syslog_log LOG
Nov 16 00:04:19 Tim-Stacks-iMac Spotlight[731]: XPC connection was invalidated
Nov 16 00:04:19 Tim-Stacks-iMac SpotlightNetHelper[734]: [515066E510K65] PRSSearchSession received an HTTP error
Nov 16 00:04:28 Tim-Stacks-iMac Quicksilver[1190]: Remote hosts could not be loaded from ~/.hosts: The file does
Nov 16 00:04:57 Tim-Stacks-iMac com.apple.SecurityServer[89]: Killing auth hosts
Nov 16 00:04:57 Tim-Stacks-iMac com.apple.SecurityServer[89]: Session 100589 destroyed
Nov 16 00:05:08 Tim-Stacks-iMac com.apple.SecurityServer[89]: Killing auth hosts
Nov 16 00:05:08 Tim-Stacks-iMac com.apple.SecurityServer[89]: Session 100590 destroyed
Nov 16 00:07:29 Tim-Stacks-iMac CalendarAgent[392]: [com.apple.calendar.store.log.caldav.coredav] [Refusing to p
Nov 16 00:07:59 --- last message repeated 1 time ---
Nov 16 00:09:12 Tim-Stacks-iMac WindowServer[237]: _CGXRemoveWindowFromWindowMovementGroup: window 0x174 is not
192.0.2.33 -- [16/Nov/2015:08:01:43 +0000] "PUT /index.html HTTP/1.0" 200 571424 "-" "-"
192.0.2.55 -- [16/Nov/2015:08:01:43 +0000] "GET /index.html HTTP/1.0" 200 101575 "http://Inav.org/download.html
Nov 16 08:01:44 frontend3 server[121]: Successfully started helper
Nov 16 08:01:44 frontend3 server[121]: Handling request fb475cec-6812-437f-b9f4-7d7ce71f801f
Nov 16 08:01:44 frontend3 server[123]: Handling request fb475cec-6812-437f-b9f4-7d7ce71f801f
Nov 16 08:01:45 frontend3 server[123]: Received packet from 192.0.2.33
192.0.2.33 -- [16/Nov/2015:08:01:45 +0000] "GET /obj/1236?search=demo&start=1 HTTP/1.0" 200 603168 "http://Inav
192.0.2.55 -- [16/Nov/2015:08:01:45 +0000] "PUT /features.html HTTP/1.0" 200 544555 "-" "Apache-HttpClient/4.2.3
192.0.2.55 -- [16/Nov/2015:08:01:46 +0000] "GET /index.html HTTP/1.1" 200 783505 "-" "Apache-HttpClient/4.2.3
Nov 16 08:01:47 frontend3 server[124]: Received packet from 192.0.2.55
192.0.2.33 -- [16/Nov/2015:08:01:47 +0000] "GET /obj/1235?foo=bar HTTP/1.0" 200 756924 "http://In
Nov 16 08:01:48 frontend3 server[124]: Handling request 124cb2d5-0800-41f1-9509-e70b2e20b59c
Nov 16 08:01:49 frontend3 server[123]: Reading from device: /dev/hda
Nov 16 08:01:49 frontend3 server[123]: Received packet from 192.0.2.33
Nov 16 08:01:49 frontend3 server[123]: Received packet from 192.0.2.33
Nov 16 08:01:50 frontend3 server[121]: Handling request e5ba7a82-719b-484b-9839-90a03c3cc151
192.0.2.33 -- [16/Nov/2015:08:01:50 +0000] "GET /obj/1234 HTTP/1.0" 200 772489 "-" "-"
Nov 16 08:01:51 frontend3 worker[61457]: Successfully started helper
192.0.2.33 -- [16/Nov/2015:08:01:51 +0000] "GET /obj/1234 HTTP/1.0" 200 711520 "-" "-"
192.0.2.55 -- bob@example.com [16/Nov/2015:08:01:52 +0000] "PUT /obj/1235?foo=bar HTTP/1.1" 200 210421 "-" "-"
192.0.2.55 -- bob@example.com [16/Nov/2015:08:01:52 +0000] "GET /features.html HTTP/1.0" 200 880959 "-" "-"
L201 55x 0 hits ?View Help
Press e/E to move forward/backward through error messages
```

# Logs - tailsince

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**tailsince** es un pequeño script que implementa tail pero con fechas

- Script en python
- Un único fichero

<https://github.com/codeforkjeff/tailsince>

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# Logs - peco

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**peco** es un filtro de cadenas interactivo.

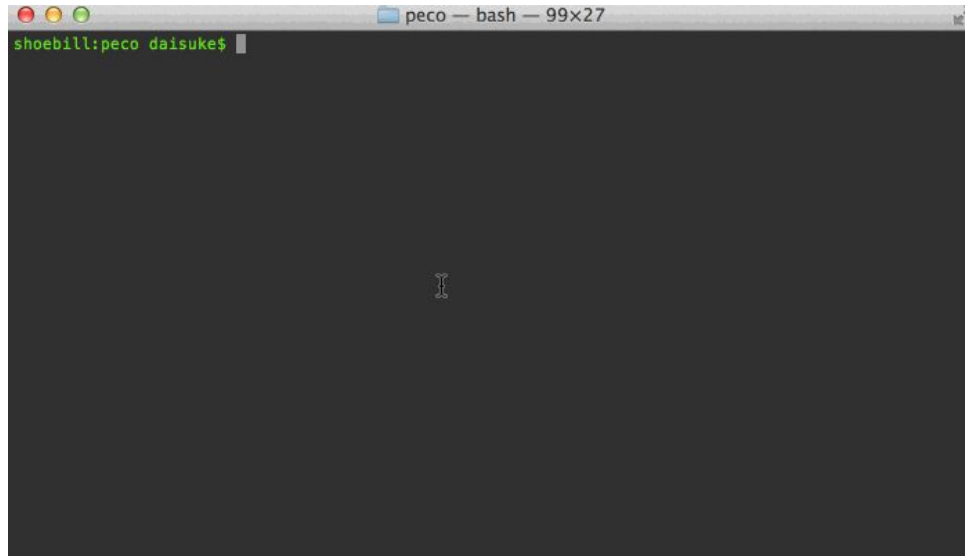
- Usa ncurses
- Permite filtrar de forma dinámica y visual

<https://github.com/peco/peco>

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# Logs - peco

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<https://github.com/peco/peco>

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# Gestión de ficheros - ncdú

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**ncdu** permite analizar el contenido de un directorio y ver dónde se va el espacio de disco.

Vale que Baobab es más bonito, pero ncdú es útil :-)

<https://dev.yorhel.nl/ncdu>

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# Gestión de ficheros - ranger

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**ranger** es una pequeña gestor de ficheros que usa ncurses, un pequeño sustituto de Midnight Commander.

<http://ranger.nongnu.org/>

```
hut@debaton:~/ranger/human_readable.diff
bin      doc          6      ranger/ext/human_readable.py | 36 ++++++
code    ranger       17     1 files changed, 19 insertions(+), 17 deletions(-)
crypt   test         39
dl      CHANGELOG   595 B  diff --git a/ranger/ext/human_readable.py b/ranger/e
foo     COPYING    34.32 K index beaaf6d..d482ba7 100644
gnu     HACKING    2.60 K --- a/ranger/ext/human_readable.py
hut     human_read 1.54 K +++ b/ranger/ext/human_readable.py
img     info       1.26 K @@ -13,24 +13,26 @@
ranger  INSTALL    1.36 K # You should have received a copy of the GNU Genera
uni     loc.rb     313 B # along with this program. If not, see <http://www
wine    loc.sh     64 B
2010-06-1 Makefile   3.53 K -import math
2010-06-1 pro      108.21 K -
2010-06-1 pro.txt  97.70 K -ONE_KB = 1024
cl      profile.py 190 B -UNITS = 'BKMGTP'
crypt2  push.sh    212 B -MAX_EXPONENT = len(UNITS) - 1
doctest.p ranger-1 149.19 K -
image.jpg ranger.py 1.75 K def human_readable(byte, seperator=' ');
-rw-r--r-- 1 hut hut 2010-05-24 18:56 411.34K, 115.86G Top
```

# Gestión de ficheros - ripgrep

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**rg** es mejor que grep, ack y otros. Eso es así :-)

- Facilidad de uso (basado en Silver Search)
- Velocidad
- Soporta Unicode

<https://github.com/BurntSushi/ripgrep>

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# Gestión de ficheros - ripgrep

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```
[andrew@Cheetah rust] rg -i rustacean
src/doc/book/nightly-rust.md
92:[Mibbit][mibbit]. Click that link, and you'll be chatting with other Rustaceans

src/doc/book/glossary.md
3:Not every Rustacean has a background in systems programming, nor in computer

src/doc/book/getting-started.md
176:Rustaceans (a silly nickname we call ourselves) who can help us out. Other great
376:Cargo is Rust's build system and package manager, and Rustaceans use Cargo to

src/doc/book/guessing-game.md
444:it really easy to re-use libraries, and so Rustaceans tend to write smaller

CONTRIBUTING.md
322:* [rustaceans.org][ro] is helpful, but mostly dedicated to IRC
333:[ro]: http://www.rustaceans.org/
[andrew@Cheetah rust] □
```

<https://github.com/BurntSushi/ripgrep>

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# Gestión de código - tig

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**tig** un frontend de git que usa ncurses, con lo cual sigue siendo una herramienta de consola.

<https://github.com/jonas/tig>

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# Nuevas herramientas

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No es nada raro que vayan apareciendo nuevas herramientas y utilidades.

- <https://twitter.com/climagic>
  - <https://www.reddit.com/r/commandline/>
  - <https://kkovacs.eu/cool-but-obscure-unix-tools>
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# Gracias

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La consola sigue siendo muy importante.  
Hay muchas pequeñas herramientas que hacen un gran trabajo.

`man` **y** `--help` son vuestros mejores amigos.

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# Gracias

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