



Festival Latinoamericano de Instalación de Software Libre

Edición 2026



Tiny Core Linux

“Eficiencia extrema en un mundo de software pesado”



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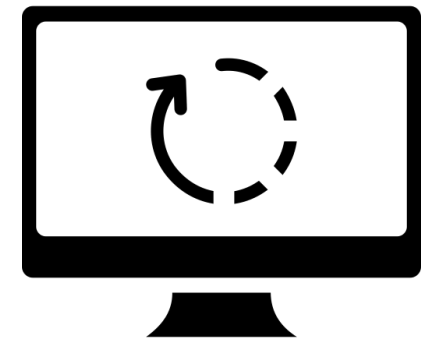
22 ° Festival Latinoamericano de Instalación de Software Libre
Oro Verde – Entre Ríos – Argentina



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¿Por qué nuestras PCs son lentas?

- Sistemas operativos que ocupan 30GB.
- Procesos ocultos (telemetría, actualizaciones forzadas).
- Consumo de RAM innecesario antes de empezar a trabajar.





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Especificaciones Técnicas

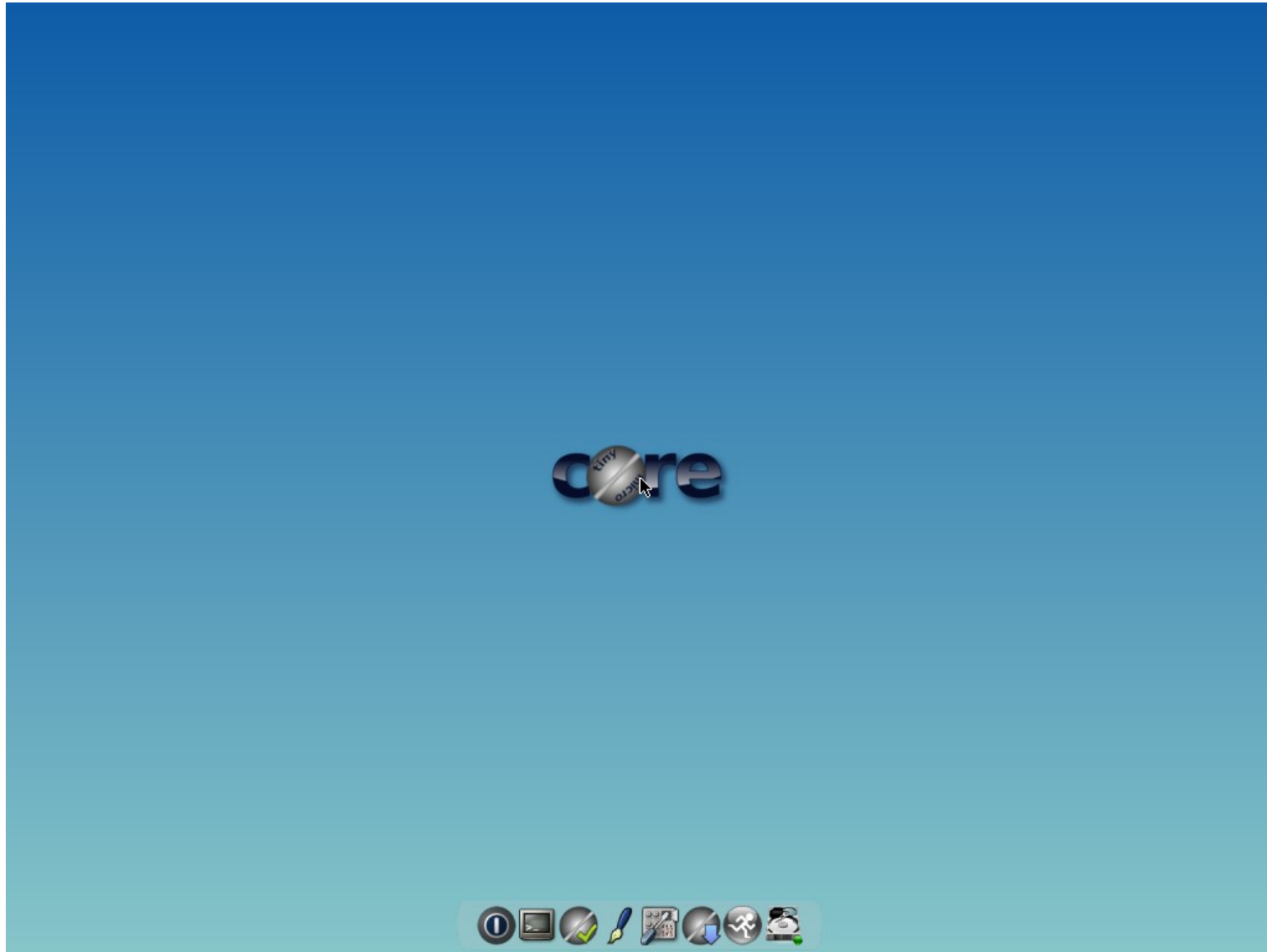
- **Kernel:** Linux 6.x (actualizado y seguro).
-
- **Arquitectura:** x86 y x86_64 (compatible con casi cualquier PC desde el año 2000).
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- **Requisitos Mínimos:** 48MB de RAM y un procesador i486.
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- **Requisitos Recomendados:** 128MB de RAM y un Pentium 2.
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- **Escritorio:** FLWM sobre librerías FLTK (eficiencia visual).





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Tiny Core Desktop





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Eficiencia

The screenshot shows a terminal window with two applications running. The top application is Dillo, a lightweight web browser, displaying the Google homepage. The bottom application is htop, a process monitor, showing system statistics and a list of running processes. A red arrow points from the htop window to the search bar in the Dillo browser.

Dillo Browser:

- Address bar: `http://www.google.com/`
- Navigation: Back, Forw, Home, Reload, Save, Stop, Book, Tools
- Page info: Images 1 of 1, Page 77.6 KB
- Buttons: Gmail, Imágenes, Acceder
- Search bar:
- Buttons: Buscar con Google, Voy a tener suerte

htop Process Monitor:

```
CPU [ 0.7% ] Tasks: 15, 0 thr: 1 running
Mem [ 94.8M/495M ] Load average: 0.06 0.06 0.02
Sup [ 0K/111M ] Uptime: 00:03:31
```

| PID | USER | PRI | NI | VIRT | RES | SHR | S | CPU% | MEM% | TIME+ | Command |
|------|------|-----|----|-------|-------|------|---|------|------|---------|-------------------|
| 4546 | tc | 20 | 0 | 3576 | 2600 | 2184 | R | 0.7 | 0.5 | 0:00.03 | htop |
| 3141 | root | 20 | 0 | 37620 | 15756 | 5932 | S | 0.0 | 3.1 | 0:04.59 | Xvesa -br -screen |
| 4519 | tc | 20 | 0 | 36140 | 20876 | 8020 | S | 0.0 | 4.1 | 0:02.10 | dillo |
| 3143 | tc | 20 | 0 | 9732 | 5876 | 5364 | S | 0.0 | 1.2 | 0:00.10 | flwm_topside |
| 1 | root | 20 | 0 | 3604 | 1968 | 1872 | S | 0.0 | 0.4 | 0:00.19 | /sbin/init |
| 89 | root | 20 | 0 | 2324 | 1872 | 1452 | S | 0.0 | 0.4 | 0:00.09 | /sbin/udevd --dae |
| 1736 | root | 20 | 0 | 2324 | 1748 | 1324 | S | 0.0 | 0.3 | 0:00.00 | /sbin/udevd --dae |
| 1737 | root | 20 | 0 | 2324 | 1748 | 1324 | S | 0.0 | 0.3 | 0:00.00 | /sbin/udevd --dae |
| 2500 | tc | 20 | 0 | 3600 | 2244 | 2084 | S | 0.0 | 0.4 | 0:00.00 | -sh |
| 2564 | root | 20 | 0 | 3604 | 1080 | 992 | S | 0.0 | 0.2 | 0:00.00 | /sbin/udhcpc -b - |
| 4512 | tc | 20 | 0 | 10320 | 7284 | 5376 | S | 0.0 | 1.4 | 0:00.79 | wbar |
| 4542 | tc | 20 | 0 | 3924 | 3136 | 2748 | S | 0.0 | 0.6 | 0:00.00 | aterm +tr +sb -T |
| 4543 | tc | 20 | 0 | 3604 | 1832 | 1740 | S | 0.0 | 0.4 | 0:00.00 | /bin/sh /usr/bin/ |
| 4544 | tc | 20 | 0 | 3604 | 1784 | 1688 | S | 0.0 | 0.4 | 0:00.00 | /bin/busybox sh / |
| 4545 | tc | 20 | 0 | 3924 | 3056 | 2672 | S | 0.0 | 0.6 | 0:00.00 | aterm +tr -e htop |

htop keyboard shortcuts: F1 Help, F2 Setup, F3 Search, F4 Filter, F5 Tree, F6 SortBy, F7 Nice, F8 Nice, F9 Kill, F10 Quit



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Eficiencia

The screenshot displays a Firefox browser window with a 'Nightly' new tab page. The browser interface includes a search bar and a search engine selection area. In the bottom-left corner, a task manager window is open, showing system statistics and a list of running processes. A red arrow points to the CPU usage bar in the task manager, which is at 195.3%. The task manager window shows the following data:

```
htop
CPU [|||||195.3%] Tasks: 23, 115 thr: 1 running
Mem [|||||268M/495M] Load average: 1.48 0.41 0.14
Swp [|||||107M/111M] Uptime: 00:06:58

  PID USER   PRI  NI  VIRT   RES   SHR  S  CPU% MEM%   TIME+  Command
  ---  ---    ---  --  ---    ---    ---  -  ---  ---    ---    ---
 4759 tc      20   0   861M  174M  80716 D  81.3 35.2  0:17.30 firefox
 3141 root    20   0   36188 14124  7304 S   3.3  2.8  0:11.02 Xvesa -br -screen
 4822 tc      20   0   861M  174M  80716 S   6.0 35.2  0:01.17 firefox
 4882 tc      20   0   525M  75812 56336 S   6.0 15.0  0:02.09 /tmp/tcloop/firef
 4771 tc      20   0   861M  174M  80716 S   1.3 35.2  0:00.25 firefox
 4886 tc      20   0   525M  75812 56336 S   1.3 15.0  0:00.07 /tmp/tcloop/firef
 4884 tc      20   0   861M  174M  80716 S   0.0 35.2  0:00.06 firefox
```



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Eficiencia

The image shows a terminal window with htop running in the foreground and a browser window in the background. The browser window displays a news article from Argentina.gov.ar titled "2 de Abril: Día del Veterano y de los Caídos en la Guerra de Malvinas". The terminal window shows system statistics and a list of processes.

System Statistics (from htop):

- Tasks: 27, 183 thr: 1 running
- Load average: 1.99 0.51 0.17
- Uptime: 00:00:53
- Mem: 531M/1003M
- Swap: 0K/235M

Process List (from htop):

| PID | USER | PRI | NI | VIRT | RES | SHR | S | CPU% | MEM% | TIME+ | Command |
|------|------|-----|----|-------|-------|-------|---|------|------|---------|-------------------|
| 4202 | tc | 20 | 0 | 945M | 356M | 169M | S | 29.4 | 35.6 | 0:20.21 | firefox |
| 4309 | tc | 20 | 0 | 507M | 98680 | 81256 | S | 0.0 | 9.6 | 0:00.65 | /tmp/tcloop/firef |
| 4337 | tc | 20 | 0 | 534M | 134M | 101M | S | 4.7 | 13.4 | 0:01.32 | /tmp/tcloop/firef |
| 4313 | tc | 20 | 0 | 258M | 28864 | 23208 | S | 0.0 | 2.8 | 0:00.09 | /tmp/tcloop/firef |
| 4219 | tc | 20 | 0 | 945M | 356M | 169M | S | 6.0 | 35.6 | 0:01.59 | firefox |
| 4270 | tc | 20 | 0 | 945M | 356M | 169M | S | 13.4 | 35.6 | 0:02.47 | firefox |
| 4166 | root | 20 | 0 | 51204 | 14884 | 7712 | S | 2.7 | 1.4 | 0:01.61 | Xvesa -br -screen |
| 4220 | tc | 20 | 0 | 945M | 356M | 169M | S | 0.7 | 35.6 | 0:00.25 | firefox |
| 4300 | tc | 20 | 0 | 945M | 356M | 169M | S | 0.0 | 35.6 | 0:00.46 | firefox |
| 4242 | tc | 20 | 0 | 945M | 356M | 169M | S | 0.0 | 35.6 | 0:00.04 | firefox |
| 4231 | tc | 20 | 0 | 3688 | 2728 | 2176 | R | 0.0 | 0.3 | 0:00.11 | htop |
| 4239 | tc | 20 | 0 | 945M | 356M | 169M | S | 0.0 | 35.6 | 0:00.32 | firefox |
| 4264 | tc | 20 | 0 | 945M | 356M | 169M | S | 0.0 | 35.6 | 0:00.19 | firefox |
| 4267 | tc | 20 | 0 | 945M | 356M | 169M | S | 0.0 | 35.6 | 0:00.04 | firefox |
| 4346 | tc | 20 | 0 | 945M | 356M | 169M | S | 0.7 | 35.6 | 0:00.26 | firefox |
| 4279 | tc | 20 | 0 | 242M | 31588 | 25940 | S | 0.0 | 3.1 | 0:00.04 | /tmp/tcloop/firef |



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Seguridad

- **Ejecución "In-RAM"**: El sistema operativo se descomprime y vive en la memoria volátil. El disco duro es solo un almacén de archivos comprimidos.
-
- **El Reinicio como "Antivirus"**: Cualquier cambio en los archivos del sistema es temporal por naturaleza.
-
- **Superficie de ataque mínima**: Sin servicios innecesarios, no hay puertas traseras.

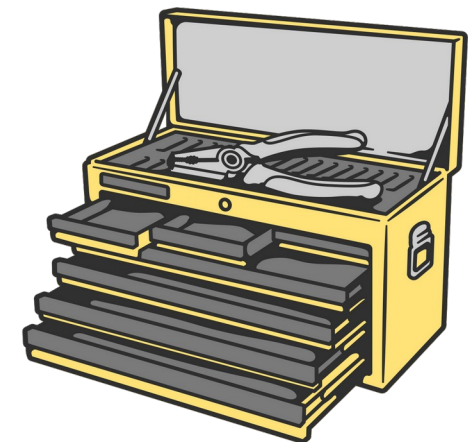




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Sostenibilidad y Personalización

- **Contra la obsolescencia:** Revive hardware de hace 15 años.
-
- **ezremaster:** Herramienta nativa para crear ISOs personalizadas.
-
- **Software a medida:** Creación de sistemas específicos para kioscos, servidores o educación.





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Tiny Core

dilemas

consultas

preguntas



dudas

interrogantes

curiosidades



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Muchas gracias!