Stratis Storage Lab

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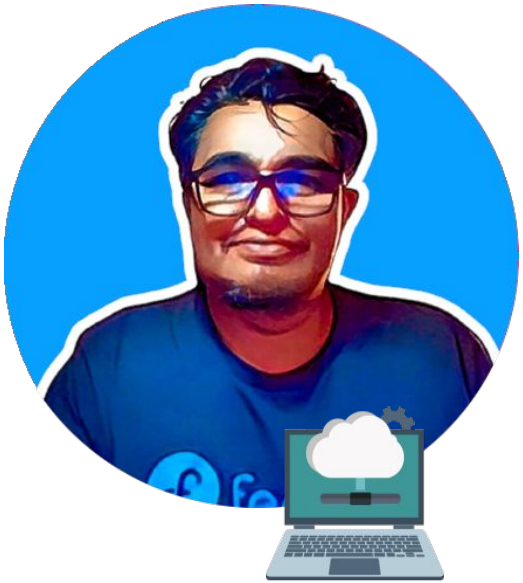
Laboratorio de Pruebas

Mi configuración

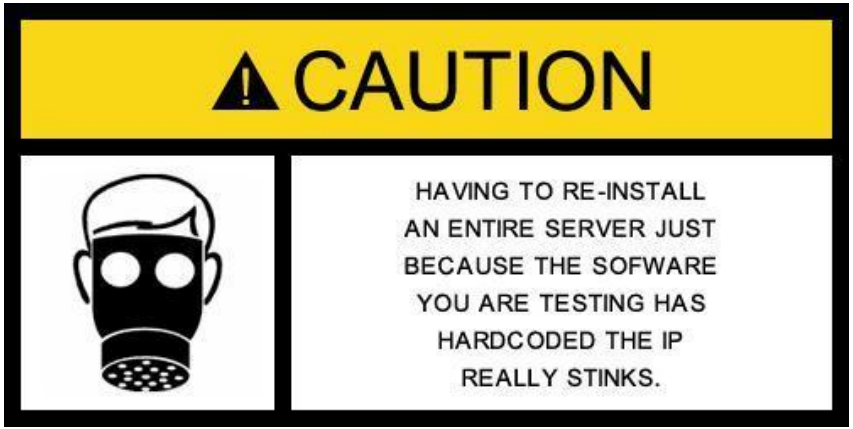


Lenovo ThinkPad P1 Gen 2

Intel(R) Core(TM) i7-9850H CPU @ 2.60GHz

- **Storage**
  `/var/lib/libvirt/images` → LVM 476G
- **Fedora release 37 (Thirty Seven)**
  `6.2.8-200.fc37.x86_64`
- **Creación de Lab con KVM**
  Build a lab in five minutes with three simple commands

¿Porqué un laboratorio?



It doesn't matter how beautiful your theory is, it doesn't matter how smart you are. If it doesn't agree with experiment, it's wrong. In that simple statement is the key to science.

Richard Feynman

Stratis Storage

Stratis is a tool to easily configure pools and filesystems with enhanced storage functionality that works within the existing Linux storage management stack.

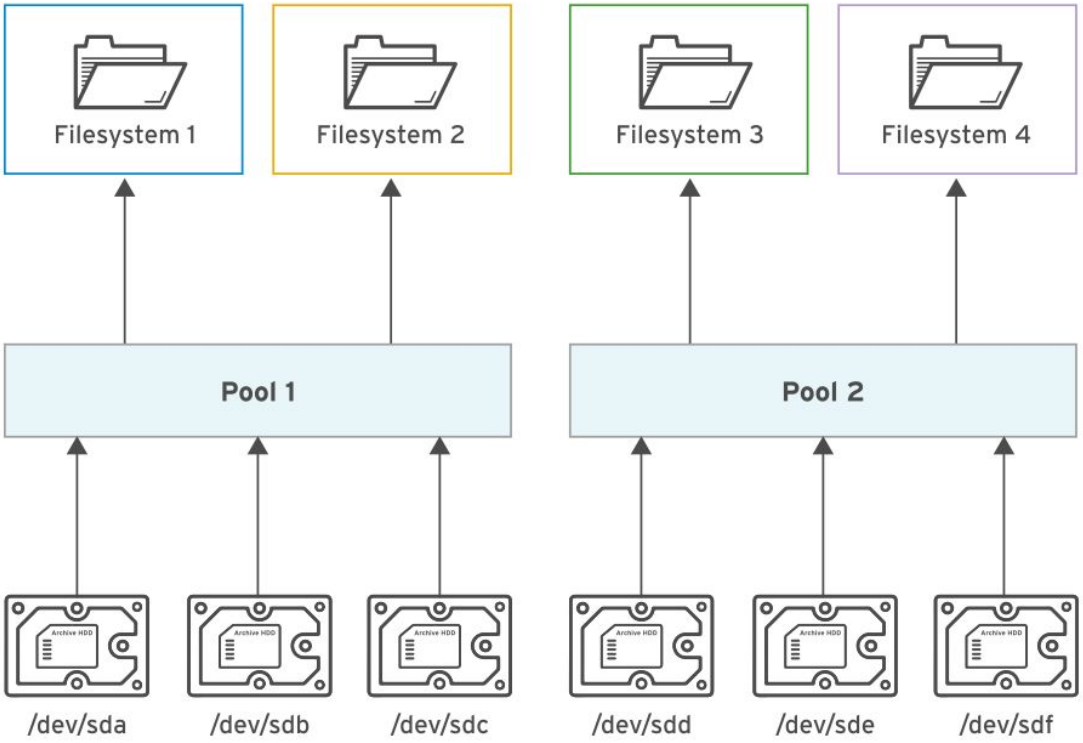
stratis-storage.github.io

- command-line experience
- rich API

Stratis uses:

- **device-mapper** - A framework for logical to physical mapping of data blocks
- **LUKS** - An on disk format for encryption that can securely manages multiple passwords
- **XFS** - A scalable, journaling, and performant filesystem
- **Clevis** - A framework for automated decryption
- May also incorporate additional technologies in the future.

Stratis Storage



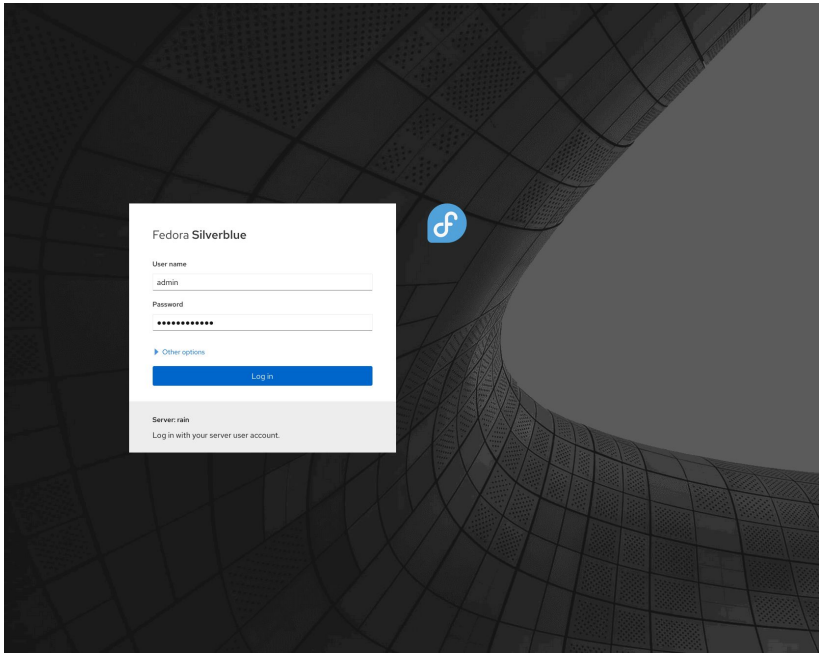
Stratis Storage

- Stratis
  - # dnf install stratis-cli stratisd
  - # systemctl enable --now stratid
- Pool
  - # stratis pool create *pool /dev/vdb*
  - # stratis pool list
  - # stratis pool add-data *pool /dev/vdc*
- Filesystem
  - # stratis filesystem create *pool filesystem*
  - # stratis filesystem list
  - # stratis filesystem snapshot *pool filesystem snapshot*

Stratis Storage

Web Console

cockpit-project.org




```
# dnf install cockpit
# systemctl enable --now cockpit.socket
# firewall-cmd --add-service=cockpit --permanent
```

Stratis Storage

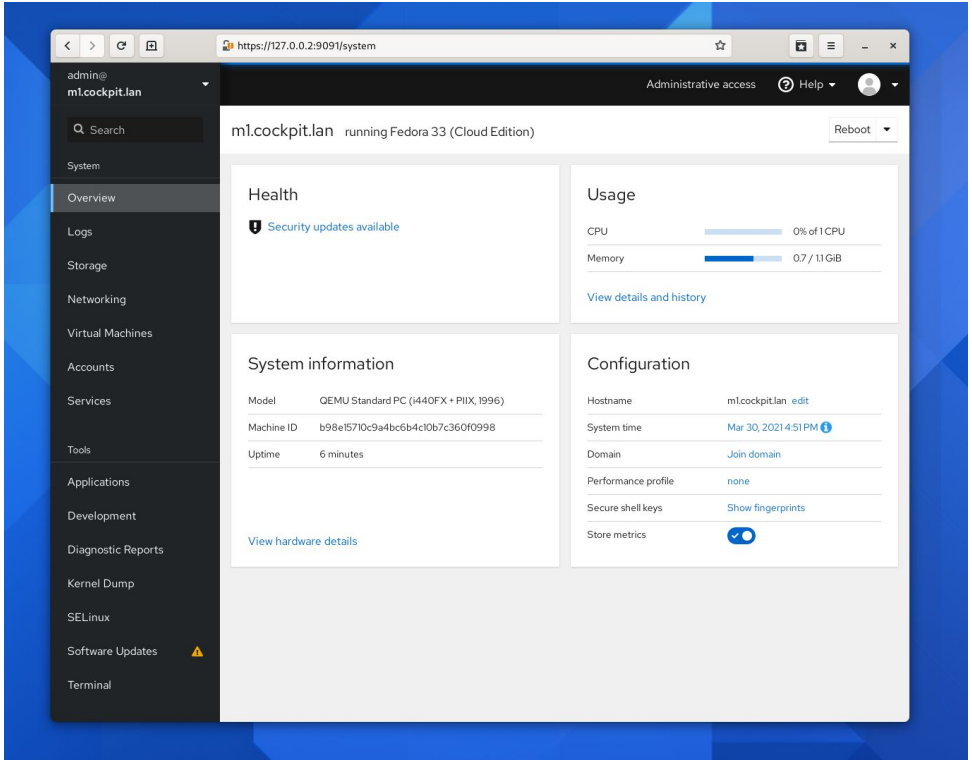
Web Console

```
# dnf -y install cockpit cockpit-composer \
> cockpit-machines cockpit-pcp cockpit-podman \
> cockpit-session-recording cockpit-storaged

# systemctl restart pmlogger

# systemctl enable --now cockpit.socket

# firewall-cmd --add-service=cockpit --permanent
```

Stratis Storage

Web Console

cockpit-project.org



Referencias

Links y Documentación

- Stratis how-to/walk-through
- Stratis Storage → GitHub
- Stratis Storage → Twitter

- cockpit-project.org

Fedora México

- www.meetup.com/es-ES/Fedora-Mexico/
- t.me/fedoramexico
- comunidades.lat/fedoramx/
- fedoramx.fedorapeople.org

Gracias!

¡Únete a la conversación!

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