Stratis Storage

Alex Callejas
Services Content Architect @ Red Hat

@dark_axl
github.com/AlexCallejas
rutil.io/social

Fedora México

- ○ https://www.meetup.com/es-ES/Fedora-Mexico/

- ○ https://t.me/fedoramexico

- ○ https://comunidades.lat/fedoramx/

- ○ https://fedoramx.fedorapeople.org/
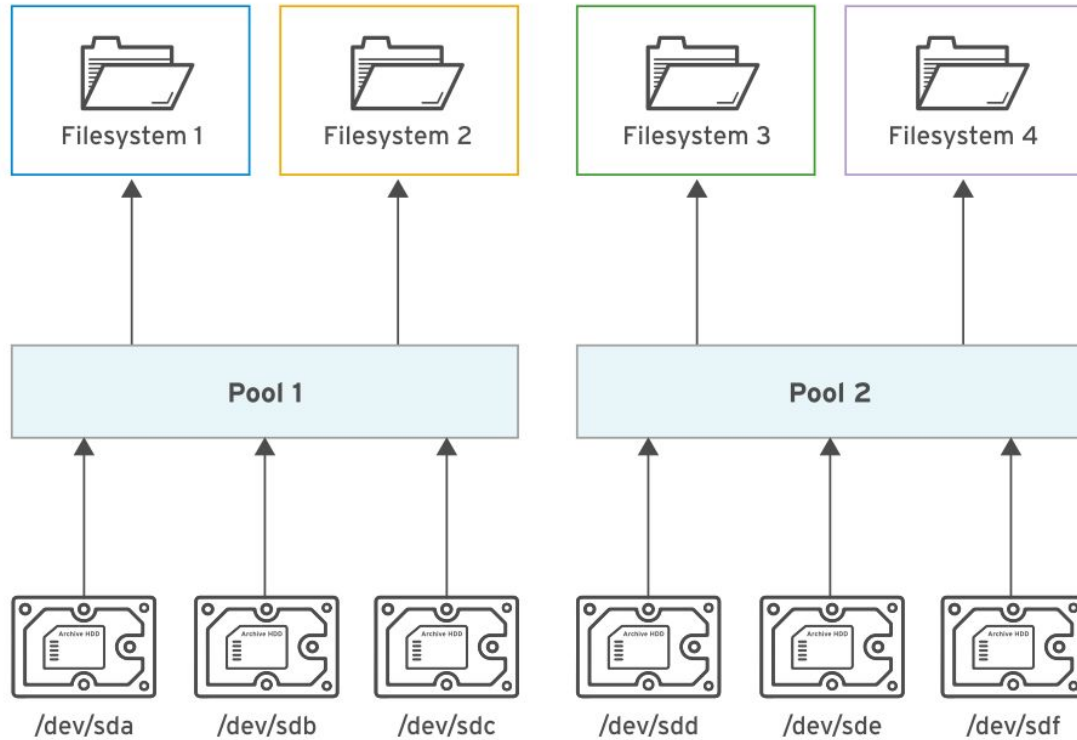
Fedora México Giveaway

MEXICO

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

Filesystem 1 | Filesystem 2 | Filesystem 3 | Filesystem 4

Pool 1 | Pool 2

/dev/sda | /dev/sdb | /dev/sdc | /dev/sdd | /dev/sde | /dev/sdf
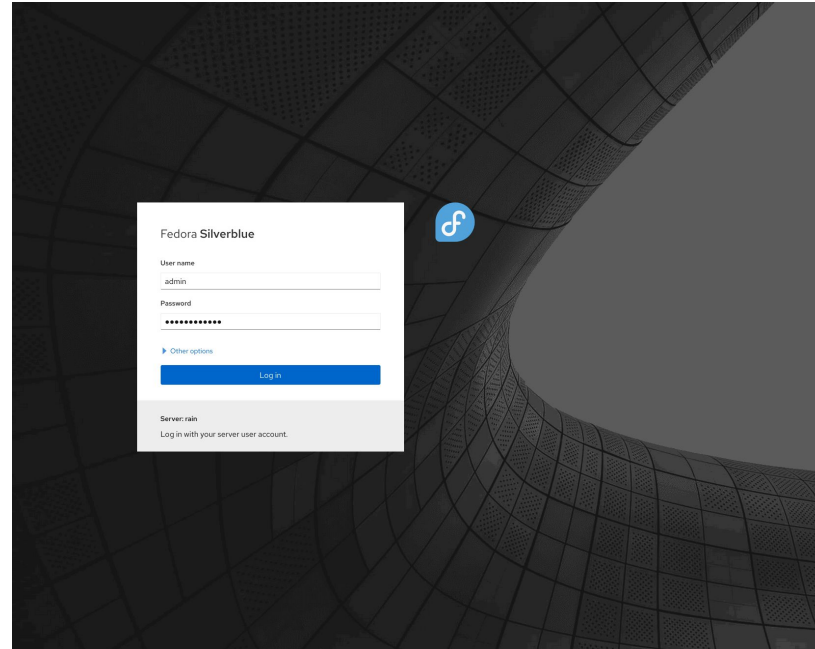
@fedoramexico

Stratis Storage

- Stratis
  - # yum 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
```
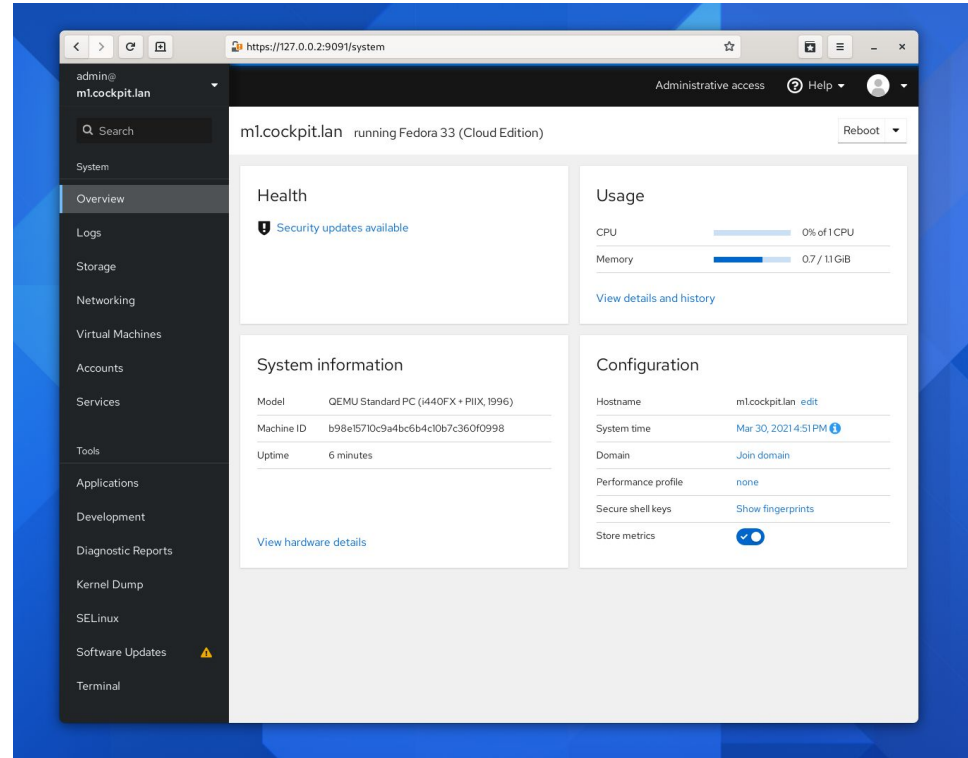
@fedoramexico

Stratis Storage

Web Console

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

# systemctl restart pmlogger

# systemctl enable --now cockpit.socket

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

@fedoramexico

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

Gracias!

Únete a la conversación!

@fedoramexico