



Stratis Storage

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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

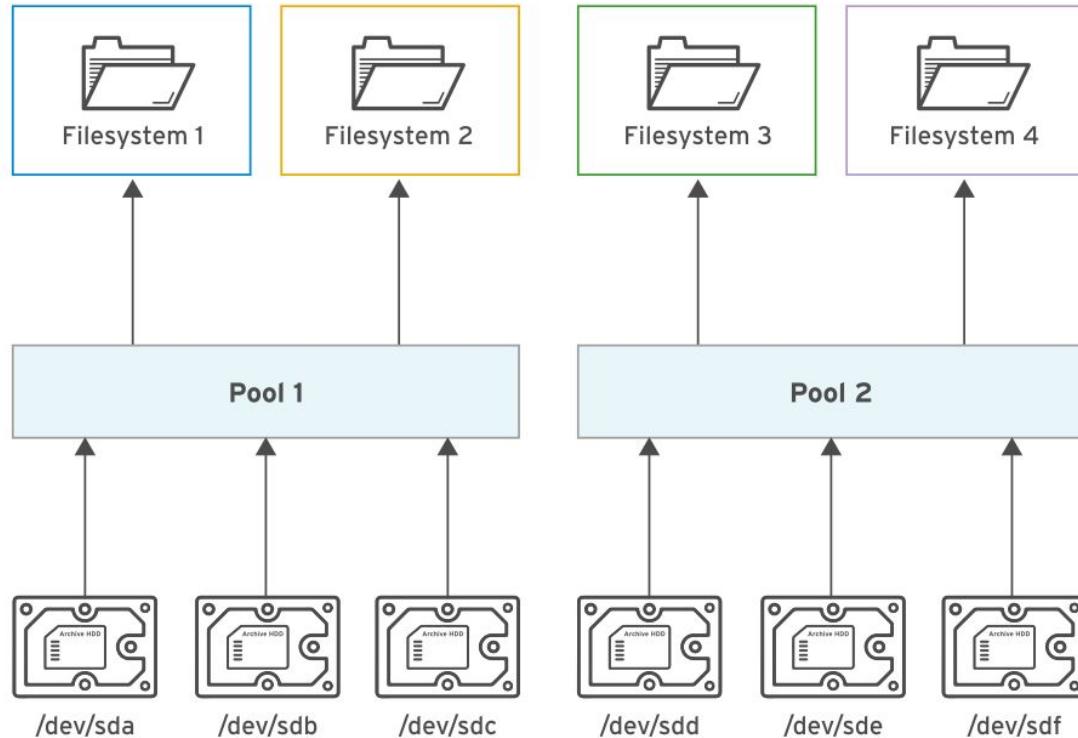
- command-line experience
- rich API

Stratis uses:

- **device-mapper** - A framework for logical to physical mapping of data blocks
- **LUKS** - An on disk format for encryption that can securely manage 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



Stratis Storage



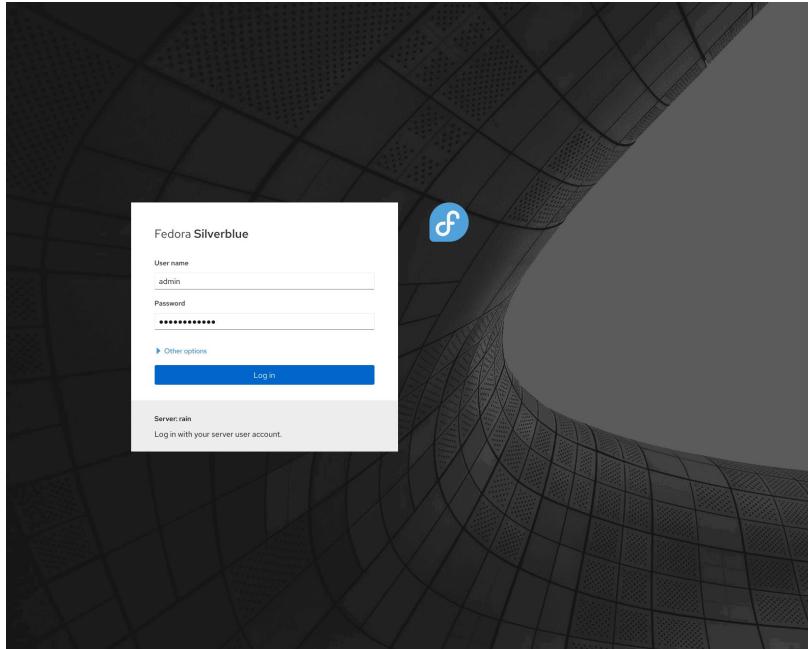
- Stratis
 - `# yum install stratis-cli stratisd`
 - `# systemctl enable --now stratisd`
- Pool
 - `# stratis pool create pool /dev/vdb`
 - `# stratis pool list`
 - `# stratis pool add-data pool /dev/vdc`
- Filesystem
 - `# stratis filesystem create pool filesystem`
 - `# stratis filesystem list`
 - `# 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
```



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
```

Stratis Storage



Web Console

cockpit-project.org

The screenshot shows the Cockpit web interface at <https://127.0.0.2:9091/system>. The left sidebar is titled "System" and includes links for Overview, Logs, Storage, Networking, Virtual Machines, Accounts, Services, Tools, Applications, Development, Diagnostic Reports, Kernel Dump, SELinux, Software Updates (with a yellow warning icon), and Terminal. The main content area displays system information and usage statistics. The "Health" section indicates "Security updates available". The "Usage" section shows 0% of 1CPU for CPU and 0.7 / 11GB for Memory. The "System information" section lists the Model as QEMU Standard PC (i440FX + PIIX, I996), Machine ID as b98e15710c9a4bc6b4c10b7c360f0998, and Uptime as 6 minutes. The "Configuration" section shows Hostname as m1.cockpit.lan, System time as Mar 30, 2021 4:51PM, Domain as Join domain, Performance profile as none, Secure shell keys as Show fingerprints, and Store metrics as checked.

Referencias

Links y Documentación

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

- cockpit-project.org

Gracias!

Únete a la conversación!

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