

Stratis Pools

Stratis

- Red Hat 8 introduced Stratis volume management
- Uses thin provisioning (starts with 546Mb)
- Combines LVM and filesystems onto one system
- Stratis automatically extends the filesystem if space is available

<code>dnf install stratis-cli stratisd</code>
<code>systemctl enable/start stratisd</code>
<code>lsblk -f</code>
<code>stratis pool list</code>
<code>stratis filesystem list</code>

Creating a Two-Disk Stratis Pool and Filesystem

<code>insert two new 5GB disks</code>
<code>stratis pool create pool1 /dev/sde</code>
<code>stratis pool add-data pool1 /dev/sdf</code>
<code>stratis filesystem create pool1 fs1</code>
<code>mkdir /bigdata</code>
<code>mount /dev/stratis/pool1/fs1 /bigdata</code>
<code>stratis filesystem snapshot pool1 fs1 fs1-snap</code>
<code>nano /etc/fstab</code>
<code>...</code>
<code>UUID=a6dca899-feab-4663-8028-fe6ce748d268 /bigdata xfs defaults,x-systemd.requires=stratisd.service 0 0</code>