HOW TO INSTALL MINIO ON ROCKY LINUX 8

Prerequisites

- An Rocky Linux system.
- A user with root or sudo privileges. This user will be used for installing new packages and make changes system-wide.

Downloading MinIO on Rocky Linux

Use the following command to download a standalone MinIO server on Linux hosts running 64-bit Intel/AMD architectures. Replace `/data` with the path to the drive or directory in which you want MinIO to store data.

```
dnf -y install wget
wget https://dl.min.io/server/minio/release/linux-amd64/minio
chmod +x minio
mkdir /data
mv minio /usr/local/bin
```

Create default configuration

- This file serves as input to MinIO systemd service. Use this file to add `MINIO_VOLUMES` with the correct paths, `MINIO_OPTS` to add MinIO server options like `certs-dir`, `address`. MinIO credentials can be `MINIO_ROOT_USER` and `MINIO_ROOT_PASSWORD` in this file as well.
- Run the command bellow to create the file with minio parameters.

```
cat <<EOT >> /etc/default/minio
# Volume to be used for MinIO server.
MINIO_VOLUMES="/data"
# Use if you want to run MinIO on a custom port.
MINIO_OPTS="--address :9199"
# Root user for the server.
MINIO_ROOT_USER=spf-user
# Root secret for the server.
```

```
MINIO_ROOT_PASSWORD=spf-Password
# setting access key to access the interface web
MINIO_ACCESS_KEY="minio"
# setting secret key.  Avoid using the value default from this tutorial.
MINIO_SECRET_KEY="miniostorage"

EOT
```

Creating minio user to run the systemd

- creating the user with no shell login and change binary and data directory ownership

```
useradd -r minio-user -s /sbin/nologin
chown minio-user:minio-user /usr/local/bin/minio
chown minio-user:minio-user /data
```

Systemd service MinIO on Rocky Linux

- Systemd script is configured to run the binary from /usr/local/bin
- Create minio.service in /etc/systemd/system/

```
[Unit]
Description=MinIO
Documentation=https://docs.min.io
Wants=network-online.target
After=network-online.target
AssertFileIsExecutable=/usr/local/bin/minio

[Service]
WorkingDirectory=/usr/local/

User=minio-user
Group=minio-user

EnvironmentFile=/etc/default/minio
ExecStartPre=/bin/bash -c "if [ -z \"${MINIO_VOLUMES}\" ]; then echo \"Variable MINIO_VOLUMES
not set in /etc/default/minio\"; exit 1; fi"
```

```
ExecStart=/usr/local/bin/minio server $MINIO_OPTS $MINIO_VOLUMES

# Let systemd restart this service always
Restart=always

# Specifies the maximum file descriptor number that can be opened by this process
LimitNOFILE=65536

# Disable timeout logic and wait until process is stopped
TimeoutStopSec=infinity
SendSIGKILL=no

[Install]
WantedBy=multi-user.target

# Built for ${project.name}-${project.version} (${project.name})
```

Enable startup on boot

```
systemctl daemon-reload
systemctl enable minio
```

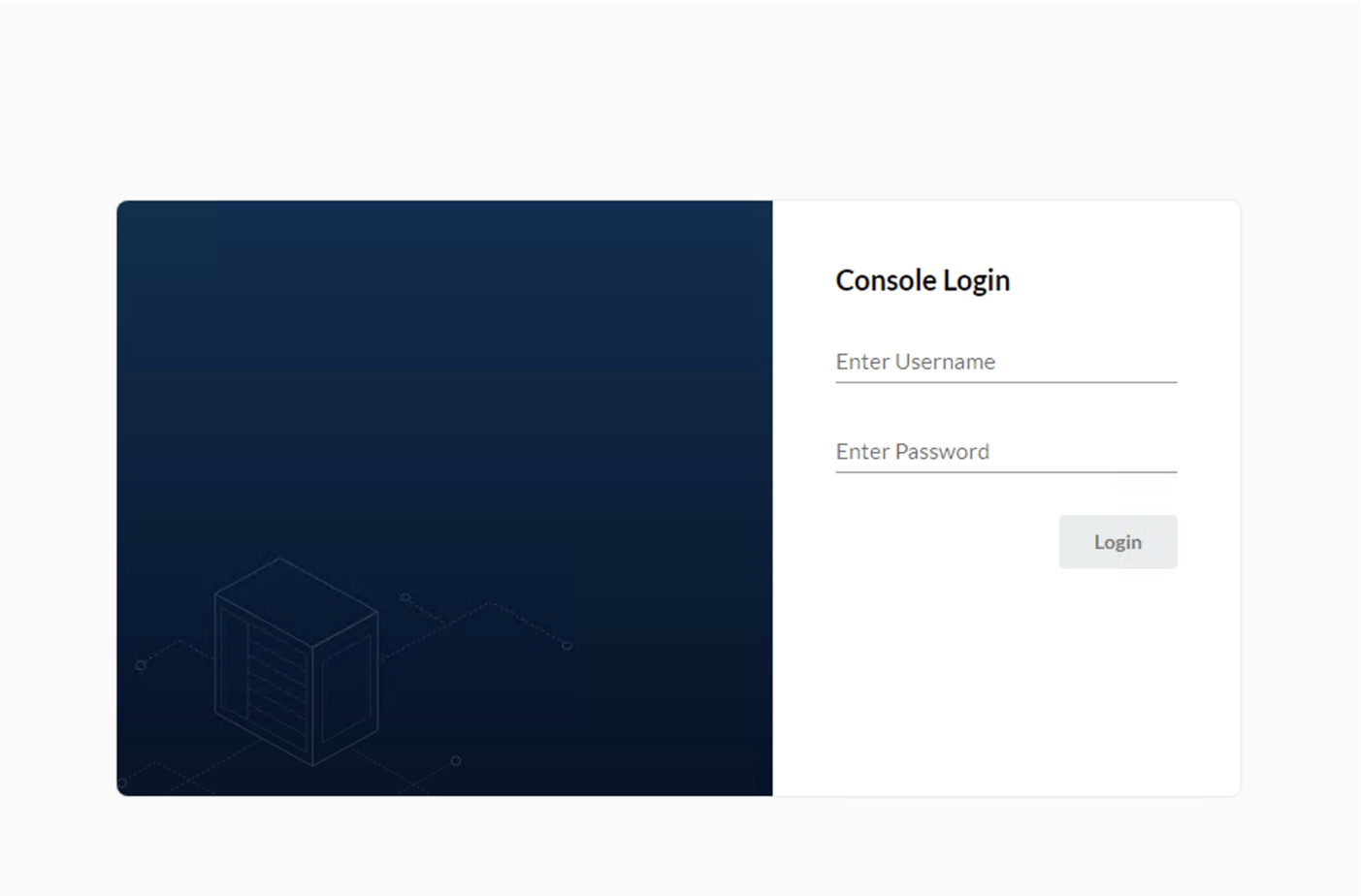
Starting minio

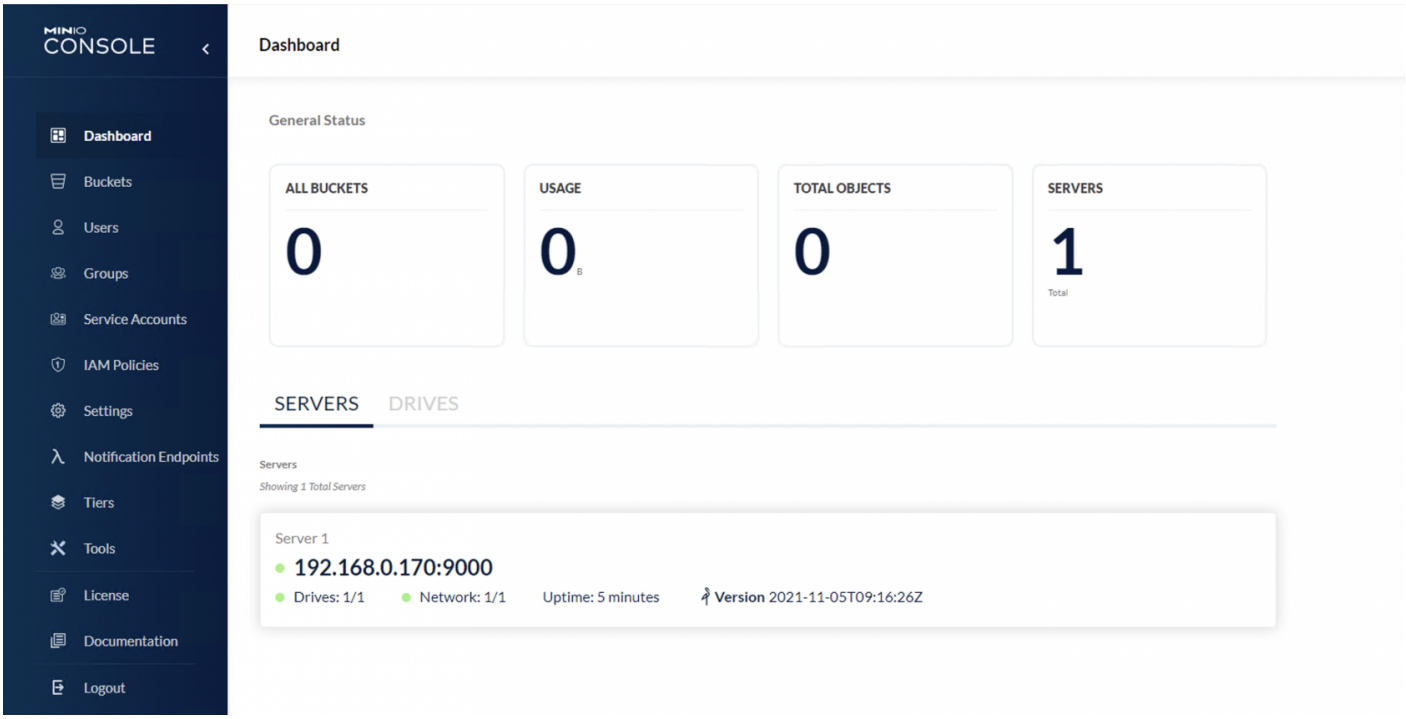
```
systemctl start minio
```

```
[root@spf-prueba ~]# systemctl status minio
● minio.service - MinIO
   Loaded: loaded (/etc/systemd/system/minio.service; enabled; vendor preset: disabled)
   Active: active (running) since Mon 2021-11-08 20:52:10 -03; 601ms ago
     Docs: https://docs.min.io
  Process: 68720 ExecStartPre=/bin/bash -c if [ -z "${MINIO_VOLUMES}" ]; then echo "Variable MINIO_VOLUMES not set in /etc/default/minio"; exit 1; fi (code=exited, status=0/SUCCESS)
 Main PID: 68722 (minio)
    Tasks: 10 (limit: 49300)
   Memory: 25.9M
   CGroup: /system.slice/minio.service
           └─68722 /usr/local/bin/minio server --address :9199 /data

nov 08 20:52:10 spf-prueba systemd[1]: Starting MinIO...
nov 08 20:52:10 spf-prueba systemd[1]: Started MinIO.
[root@spf-prueba ~]#
```

Interface Web





Reference link

https://www.digitalocean.com/community/tutorials/how-to-set-up-an-object-storage-server-using-minio-on-ubuntu-18-04-pt

https://github.com/minio/minio

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