

Bitcoin Node SSD Setup Summary

Objective: Configure a clean, stable Bitcoin node on a 1TB SSD using Ubuntu.

Disk Setup:

- External SSD: /dev/sdb (~1TB)
- Formatted to EXT4
- Mounted at /mnt/ssd

Commands Used:

```
sudo umount /dev/sdb2
```

```
sudo mkfs.ext4 /dev/sdb2
```

```
sudo mkdir -p /mnt/ssd
```

```
sudo mount /dev/sdb2 /mnt/ssd
```

Permissions:

```
sudo chown -R ubtssd:ubtssd /mnt/ssd
```

Auto-Mount Configuration:

```
UUID=XXXX /mnt/ssd ext4 noatime,nodiratime,nofail 0 2
```

Bitcoin Node Setup:

```
mkdir -p /mnt/ssd/bitcoin
```

```
bitcoind -datadir=/mnt/ssd/bitcoin -daemon
```

Monitoring:

```
tail -f /mnt/ssd/bitcoin/debug.log | grep UpdateTip
```

Optimizations:

```
bitcoin.conf:
```

```
dbcache=4000
```

```
maxconnections=40
```

Important Notes:

- Avoid using failing HDDs (causes corruption)
- Always stop node cleanly
- SSD recommended for stability and speed