

# Re-Aligning FortiRecorder Disk Partitions

The following recipe is for those having performance problems with the FRC-200Dgen2, the FRC-400D, and VMs installed before FortiRecorder v2.6 release. It covers how to check for alignment and aligning partition in FortiRecorder if the partitions are not aligned correctly.

## Checking Alignment

First you need to verify disk partition alignment. Access the [CLI](#) and enter “diag system disk-details”.

If your partitions are not aligned correctly, your screen will resemble the following:

```
System Time: 2018-04-13 09:58:13 EDT (Uptime: 1d 23h 55m)
for type for-var-physical
+device-name=sda
|   is-enc=0
|   is-dma=1
|   is-usb=0
|   size=2000398934016
(opt=0,min=4096,alg=0,phy=4096,log=512,grn=1048576)
+-----part-name=sda1
|               size=2000299999744
|               start=512(not-aligned)
|   is-mounted=0
|   fs-type=software_raid
+device-name=sdb
|   is-enc=0
|   is-dma=1
|   is-usb=0
|   size=2000398934016
(opt=0,min=4096,alg=0,phy=4096,log=512,grn=1048576)
+-----part-name=sdb1
|               size=2000299999744
|               start=512(not-aligned)
|   is-mounted=0
|   fs-type=software_raid
```

Continue to the next section to remedy the problem.

## Aligning Partitions

Now that we've identified the problem, we can now align the partitions properly.

1. Backup your FortiRecorder configuration by going to **Monitor > SystemStatus > Status** and selecting **Backup**.
2. If remote storage is available, modify each camera profile in use by going to *Storage Options* and selecting *Move after 1 hour* for both continuous and detection records.
3. Let the system run until the local storage usage is down to a minimum. This could take a few days since the system will continue recording.
4. Repartition the disk by using the CLI command: `exec factoryreset disk`
5. Restore the configuration.