

System Network Disks Services Access Status Diagnosti

Disks | Software RAID | RAID5 | Information

JBOD RAID 0 RAID 1 **RAID 5** RAID 0/1/5

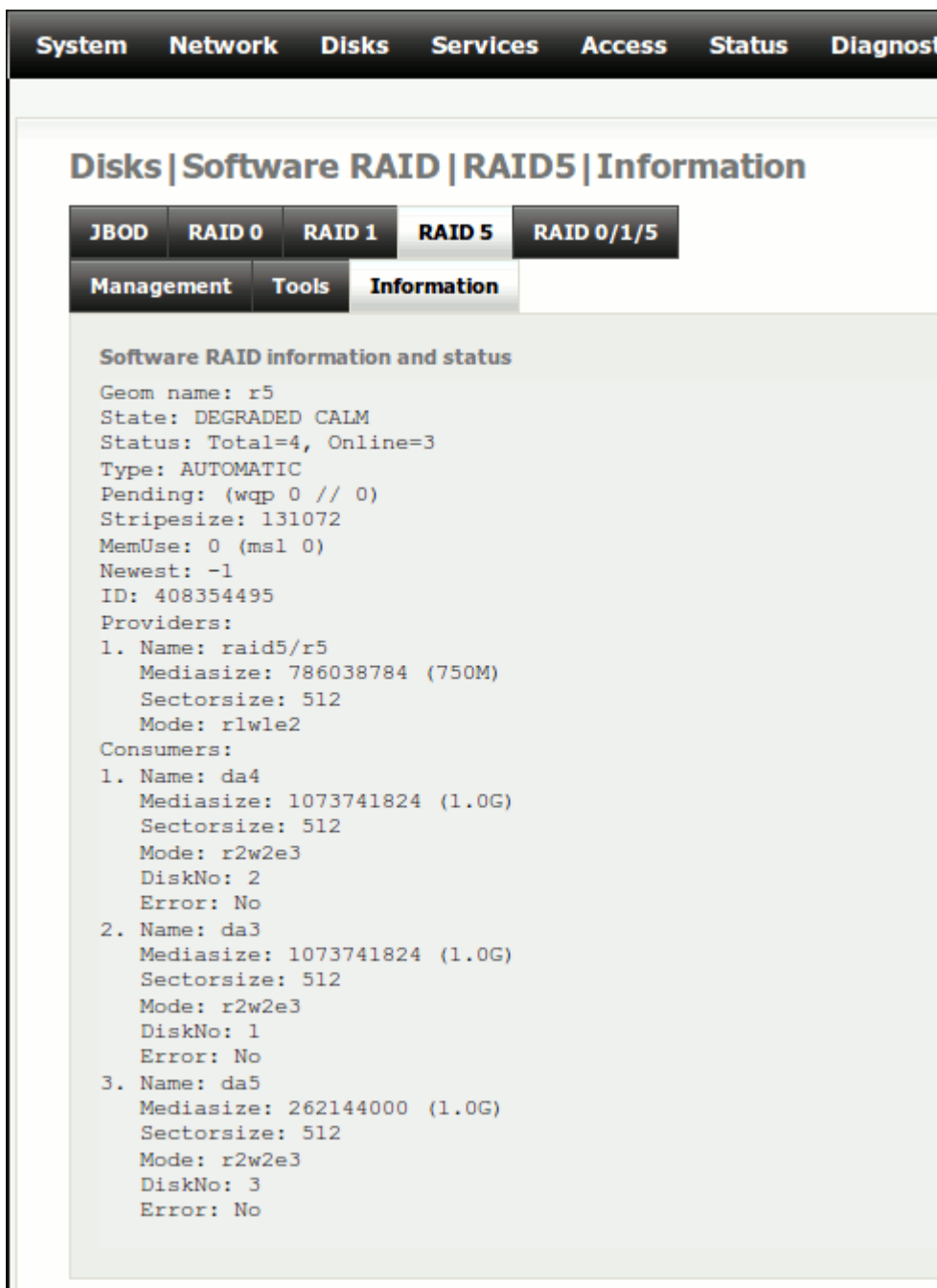
Management Tools **Information**

Software RAID information and status

```
Geom name: r5
State: COMPLETE CALM
Status: Total=4, Online=4
Type: AUTOMATIC
Pending: (wqp 0 // 0)
Stripesize: 131072
MemUse: 0 (msl 0)
Newest: -1
ID: 408354495
Providers:
1. Name: raid5/r5
   Mediasize: 786038784 (750M)
   Sectorsize: 512
   Mode: rlwle2
Consumers:
1. Name: da4
   Mediasize: 1073741824 (1.0G)
   Sectorsize: 512
   Mode: r2w2e3
   DiskNo: 2
   Error: No
2. Name: da3
   Mediasize: 1073741824 (1.0G)
   Sectorsize: 512
   Mode: r2w2e3
   DiskNo: 1
   Error: No
3. Name: da2
   Mediasize: 1073741824 (1.0G)
   Sectorsize: 512
   Mode: r2w2e3
   DiskNo: 0
   Error: No
4. Name: da5
   Mediasize: 262144000 (1.0G)
   Sectorsize: 512
   Mode: r2w2e3
   DiskNo: 3
   Error: No
```

On this Tab is displayed important status information about your existing RAID5 volumes (arrays). The illustration above shows a normal, healthy array.

Note - The information displayed in this Tab automatically updates every 5 seconds.



The screenshot shows a web-based RAID management interface. At the top, there is a navigation bar with tabs for System, Network, Disks, Services, Access, Status, and Diagnosis. Below this, the main heading is "Disks | Software RAID | RAID5 | Information". Underneath the heading, there are several sub-tabs: JBOD, RAID 0, RAID 1, RAID 5 (which is selected), and RAID 0/1/5. Below these are further sub-tabs: Management, Tools, and Information (which is selected). The main content area displays "Software RAID information and status" with the following details:

```
Geom name: r5
State: DEGRADED CALM
Status: Total=4, Online=3
Type: AUTOMATIC
Pending: (wqp 0 // 0)
Stripesize: 131072
MemUse: 0 (msl 0)
Newest: -1
ID: 408354495
Providers:
1. Name: raid5/r5
   Mediasize: 786038784 (750M)
   Sectorsize: 512
   Mode: rlwle2
Consumers:
1. Name: da4
   Mediasize: 1073741824 (1.0G)
   Sectorsize: 512
   Mode: r2w2e3
   DiskNo: 2
   Error: No
2. Name: da3
   Mediasize: 1073741824 (1.0G)
   Sectorsize: 512
   Mode: r2w2e3
   DiskNo: 1
   Error: No
3. Name: da5
   Mediasize: 262144000 (1.0G)
   Sectorsize: 512
   Mode: r2w2e3
   DiskNo: 3
   Error: No
```

The illustration above shows an array that has had 1 disk fail and is degraded but still usable / accessible. This array can be fixed by replacing the failed drive with no loss of data. Generally a RAID5 array can survive the failure of only 1 drive, if 2 drives fail, data contained on the array is most likely lost. It is sometimes possible to use data recovery software to retrieve data from an array that has lost 2 drives. Remember that RAID does not equal backup.

System Network Disks Services Access Status Diagnosti

Disks | Software RAID | RAID5 | Information

JBOD RAID 0 RAID 1 **RAID 5** RAID 0/1/5

Management Tools **Information**

Software RAID information and status

```
Geom name: r5
State: REBUILDING CALM
Status: Total=4, Online=4
Type: AUTOMATIC
Pending: (wqp 0 // 0) 480509952..480903168/393216a
Stripesize: 131072
MemUse: 393216 (ms1 3)
Newest: 3
ID: 408354495
Providers:
1. Name: raid5/r5
   Mediasize: 786038784 (750M)
   Sectorsize: 512
   Mode: rlwle2
Consumers:
1. Name: da4
   Mediasize: 1073741824 (1.0G)
   Sectorsize: 512
   Mode: r2w2e3
   DiskNo: 2
   Error: No
2. Name: da3
   Mediasize: 1073741824 (1.0G)
   Sectorsize: 512
   Mode: r2w2e3
   DiskNo: 1
   Error: No
3. Name: da2
   Mediasize: 1073741824 (1.0G)
   Sectorsize: 512
   Mode: r2w2e3
   DiskNo: 0
   Error: No
4. Name: da5
   Mediasize: 262144000 (1.0G)
   Sectorsize: 512
   Mode: r2w2e3
   Synchronized: 160169984 / 61% (p:0)
   DiskNo: 3
   Error: No
```

The illustration above shows an array that has just had a drive replaced and is in the process of rebuilding (da5 @ 61%). It is possible to mount the array and use it while it rebuilds, response will be about 20% slower than normal until the rebuild is complete.

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