

<p>GOC5 with original JBOD Software version 07MW18.4 with SP3.1 IP Address: 3.231.48.14</p>	<p>GOC5 with new JBOD Software version 12HW14.1 (Epsilon) IP Address: 3.231.48.1</p>																								
<pre>[ctuser@darc ~]\$ df -h Filesystem Size Used Avail Use% Mounted on /dev/hda3 4.0G 3.4G 668M 84% / /dev/hda1 99M 11M 84M 11% /boot /dev/shm 3.0G 0 3.0G 0% /dev/shm /dev/hda6 27G 578M 26G 3% /usr/g /dev/md0 493G 49M 492G 1% /raw_data</pre>	<pre>[ctuser@darc ~]\$ df -h Filesystem Size Used Avail Use% Mounted on /dev/sda2 13G 3.8G 8.4G 31% / /dev/sda1 99M 8.4M 86M 9% /boot /dev/shm 3.0G 0 3.0G 0% /dev/shm /dev/sda5 26G 119M 25G 1% /usr/g /dev/md0 493G 49M 492G 1% /raw_data</pre>																								
<pre>[ctuser@darc ~]\$ sudo gre-raid -q gre-raid: built May 16 2007 01:06:37 /dev/sd<x>: scanning disk array...done Device Bus ID Mfg Model Fwrev Serial-number /dev/sda 0 1 SEAGATE ST373454LC 0002 3KP00SZT000084510SFK /dev/sdb 0 2 SEAGATE ST373454LC 0002 3KP00SW2000084521L8V /dev/sdc 0 4 SEAGATE ST373454LC 0002 3KP00SX4000084510RXL /dev/sdd 0 6 SEAGATE ST373454LC 0002 3KP00T08000084510SKQ /dev/sde 1 1 SEAGATE ST373454LC 0002 3KP00T9M000084521KS4 /dev/sdf 1 2 SEAGATE ST373454LC 0002 3KP00SSG000084521LB1 /dev/sdg 1 3 SEAGATE ST373454LC 0002 3KP00T1T000084510RYS /dev/sdh 1 5 SEAGATE ST373454LC 0002 3KP00WMC00007502BSC6 Adaptec driver not found. Continuing... dasType: HDAS_64 /usr/g/config/gre-raid-8.cfg: RAID-0 profile /var/log/messages: checking for SCSI errors...done /var/log/messages: 0 drive(s) found with SCSI errors found since last start /dev/sda: testing...52.7MB/sec...done /dev/sdb: testing...51.8MB/sec...done /dev/sdc: testing...49.9MB/sec...done /dev/sdd: testing...49.7MB/sec...done /dev/sde: testing...50.1MB/sec...done /dev/sdf: testing...52.9MB/sec...done /dev/sdg: testing...53.0MB/sec...done /dev/sdh: testing...50.9MB/sec...done Disk Array Chassis Layout - Configured ===== [DRIVE] [DRIVE] [DRIVE] [DRIVE] ===== <empty> [DRIVE] [DRIVE] <empty> ===== <empty> [DRIVE] [DRIVE] <empty> ===== Disk Array Chassis Layout - Current ===== sda: pass sdb: pass sde: pass sdf: pass ===== <empty> sdc: pass sdg: pass <empty> ===== <empty> sdd: pass sdh: pass <empty> ===== /raw_data: testing...404.4MB/sec...done /raw_data: 0.0% used, 492.0GB avail gre-raid: success</pre>	<pre>[ctuser@darc ~]\$ sudo gre-raid -q gre-raid: built Apr 6 2012 18:25:14 Finding root filesystem device.../dev/sda...done /dev/sd<x>: scanning disk array...done Device Bus ID Mfg Model Fwrev Serial-number /dev/sdb 2 1 SEAGATE ST373454LC 0002 3KP4349H000097177FR0 /dev/sdc 2 2 SEAGATE ST373454LC 0002 3KP431PX00009718H627 /dev/sdd 2 4 SEAGATE ST373454LC 0002 3KP433SB00009717YVLS /dev/sde 2 6 SEAGATE ST373454LC 0002 3KP433PJ00009717YXS7 /dev/sdf 3 1 SEAGATE ST373454LC 0002 3KP431NE00009718A6HU /dev/sdg 3 2 SEAGATE ST373454LC 0002 3KP434MT000097177FB5 /dev/sdh 3 3 SEAGATE ST373454LC 0002 3KP431KJ00009718A6JU /dev/sdi 3 5 SEAGATE ST373454LC 0002 3KP434NG000097177FR2 Adaptec driver not found. Continuing... dasType: HDAS_64 /usr/g/config/gre-raid-8.cfg: RAID-0 profile /var/log/messages: checking for SCSI errors...done /var/log/messages: 0 drive(s) found with SCSI errors found since last start /dev/sdb: testing...52.5MB/sec...done /dev/sdc: testing...51.5MB/sec...done /dev/sdd: testing...51.9MB/sec...done /dev/sde: testing...52.6MB/sec...done /dev/sdf: testing...51.9MB/sec...done /dev/sdg: testing...52.5MB/sec...done /dev/sdh: testing...52.4MB/sec...done /dev/sdi: testing...52.3MB/sec...done Disk Array Chassis Layout - Configured ===== [DRIVE] [DRIVE] [DRIVE] [DRIVE] ===== <empty> [DRIVE] [DRIVE] <empty> ===== <empty> [DRIVE] [DRIVE] <empty> ===== Disk Array Chassis Layout - Current ===== sdb: pass sdc: pass sdf: pass sdg: pass ===== <empty> sdd: pass sdh: pass <empty> ===== <empty> sde: pass sdi: pass <empty> ===== /raw_data: testing...416.1MB/sec...done /raw_data: 0.0% used, 492.0GB avail gre-raid: success</pre>																								
<p>Layout matches the output of "sudo gre-raid -q"</p> <table border="1" data-bbox="108 1921 707 2000"> <tr> <td>ID 1: HD 1</td> <td>ID 2: HD 2</td> <td>ID 1: HD 5</td> <td>ID 2: HD 6</td> </tr> <tr> <td></td> <td>ID 4: HD 3</td> <td>ID 3: HD 7</td> <td></td> </tr> <tr> <td></td> <td>ID 6: HD 4</td> <td>ID 5: HD 8</td> <td></td> </tr> </table>	ID 1: HD 1	ID 2: HD 2	ID 1: HD 5	ID 2: HD 6		ID 4: HD 3	ID 3: HD 7			ID 6: HD 4	ID 5: HD 8		<p>Layout does not match the output of "sudo gre-raid -q"</p> <table border="1" data-bbox="815 1921 1441 2000"> <tr> <td>ID6: HD 4</td> <td></td> <td></td> <td>ID3: HD 7</td> </tr> <tr> <td>ID1: HD 1</td> <td>ID4: HD 3</td> <td>ID1: HD 5</td> <td></td> </tr> <tr> <td>ID2: HD 2</td> <td></td> <td>ID2: HD 6</td> <td>ID5: HD 8</td> </tr> </table>	ID6: HD 4			ID3: HD 7	ID1: HD 1	ID4: HD 3	ID1: HD 5		ID2: HD 2		ID2: HD 6	ID5: HD 8
ID 1: HD 1	ID 2: HD 2	ID 1: HD 5	ID 2: HD 6																						
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ID1: HD 1	ID4: HD 3	ID1: HD 5																							
ID2: HD 2		ID2: HD 6	ID5: HD 8																						

```
[ctuser@darc ~]$ sudo gre-raid -q
gre-raid: built May 16 2007 01:06:37
```

```
/dev/sd<x>: scanning disk array...done
```

```
Device Bus ID Mfg Model Fwrev Serial-number
/dev/sda 0 1 SEAGATE ST373454LC 0002 3KP00SZT000084510SFK
/dev/sdb 0 2 SEAGATE ST373454LC 0002 3KP00SW2000084521L8V
/dev/sdc 0 4 SEAGATE ST373454LC 0002 3KP00SX4000084510RXL
/dev/sdd 0 6 SEAGATE ST373454LC 0002 3KP00T08000084510SKQ
/dev/sde 1 1 SEAGATE ST373454LC 0002 3KP00T9M000084521KS4
/dev/sdf 1 2 SEAGATE ST373454LC 0002 3KP00SSG000084521LB1
/dev/sdg 1 3 SEAGATE ST373454LC 0002 3KP00T1T000084510RYS
/dev/sdh 1 5 SEAGATE ST373454LC 0002 3KP00WMC00007502BSC6
```

```
Adaptec driver not found. Continuing...
dasType: HDAS_64
/usr/g/config/gre-raid-8.cfg: RAID-0 profile
/var/log/messages: checking for SCSI errors...done
/var/log/messages: 0 drive(s) found with SCSI errors found since last start
```

```
/dev/sda: testing...52.7MB/sec...done
/dev/sdb: testing...51.8MB/sec...done
/dev/sdc: testing...49.9MB/sec...done
/dev/sdd: testing...49.7MB/sec...done
/dev/sde: testing...50.1MB/sec...done
/dev/sdf: testing...52.9MB/sec...done
/dev/sdg: testing...53.0MB/sec...done
/dev/sdh: testing...50.9MB/sec...done
```

Disk Array Chassis Layout - Configured

```
=====
| [DRIVE] | [DRIVE] | [DRIVE] | [DRIVE] |
=====
| <empty> | [DRIVE] | [DRIVE] | <empty> |
=====
| <empty> | [DRIVE] | [DRIVE] | <empty> |
=====
```

Disk Array Chassis Layout - Current

```
=====
| sda: pass | sdb: pass | sde: pass | sdf: pass |
=====
| <empty> | sdc: pass | sdg: pass | <empty> |
=====
| <empty> | sdd: pass | sdh: pass | <empty> |
=====
```

```
/raw_data: testing...404.4MB/sec...done
/raw_data: 0.0% used, 492.0GB avail
```

```
gre-raid: success
```

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.....
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.....
```

```
/dev/sdb: testing...52.5MB/sec...done ..... pass or fail
/dev/sdc: testing...51.5MB/sec...done ..... pass or fail
/dev/sdd: testing...51.9MB/sec...done ..... pass or fail
/dev/sde: testing...52.6MB/sec...done ..... pass or fail
/dev/sdf: testing...51.9MB/sec...done ..... pass or fail
/dev/sdg: testing...52.5MB/sec...done ..... pass or fail
/dev/sdh: testing...52.4MB/sec...done ..... pass or fail
/dev/sdi: testing...52.3MB/sec...done ..... pass or fail
```

```
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.....
.....
```

There are 2 JBOD Configurations:

Original Disk Array Chassis Layout – Configured

```
=====
| sdb | sdc | sdf | sdg |
=====
| <empty> | sdd | sdh | <empty> |
=====
| <empty> | sde | sdi | <empty> |
=====
```

New Disk Array Chassis Layout – Configured

```
=====
| sde | <empty> | <empty> | sdh |
=====
| sdb | sdd | sdf | <empty> |
=====
| sdc | <empty> | sdg | sdi |
=====
```

```
.....
.....
```

```
raw_data: testing...404.4MB/sec...done
/raw_data: 0.0% used, 492.0GB avail
```

```
gre-raid: success
```