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Replacing SBD device in a running Pacemaker cluster

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Environment

SUSE Linux Enterprise High Availability Extension 11 Service Pack 3  
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Situation

In a cluster SBD (Storage Based Death) is being used for fencing and it is needed to switch from one SAN/Storage vendor/solution to another which in turn results in the need to use a completely new LUN for the SBD.

Resolution

Note that this procedure doesn't require cluster downtime.

1. Initialize SBD metadata on the new fencing device:

```
n4:~ # sbd -d /dev/disk/by-id/scsi-149455400000000053ce5a88d47f0701d05896628d3ec6b1 create
Initializing device /dev/disk/by-id/scsi-1494554000000000053ce5a88d47f0701d05896628d3ec6b1
Creating version 2.1 header on device 4 (uuid: fbfb8767-bc0b-40c3-8cee-a99136e448d2)
Initializing 255 slots on device 4
Device /dev/disk/by-id/scsi-1494554000000000053ce5a88d47f0701d05896628d3ec6b1 is initialized.
```

If more than one SBD device is used, repeat the command above for the additional new devices.

2. Source SBD config file:

```
source /etc/sysconfig/sbd
```

3. Exit the SBD process:

```
n4:~ # sbd -d $SBD_DEVICE -D $SBD_OPTS message LOCAL exit
```

4. Edit the SBD config file and replace the SBD\_DEVICE variable with your new device:

```
vim /etc/sysconfig/sbd
```

5. Source the SBD config file again with updated data:

```
n4:~ # source /etc/sysconfig/sbd
```

6. Start SBD process in watch mode:

```
sbd -d $SBD_DEVICE -D $SBD_OPTS watch
```

7. Repeat the procedure on the other node(s).

Cause

Storage/LUN replacement.

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