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Saturday, February 10, 2007

Howto MySQL DRBD HA

Howto MySQL DRBD HA:

This is one of the MySQL High Availability strategy I had discussed earlier. I have consolidated what I found on net in bits and pieces + some of my experiences. Here are some tips to get it working.

In this approach, I have noticed that the failover is smooth and quick. If you are looking only for High Availability of MySQL resources, then
, this is the one.

Env:

I tried CentOS release 4.4 (Final) x86_64 on 2 servers.
One which has a better RAM can be used as a active node.
Other, can be considered the failover.

Partitioning during OS installtion:

You need to reserve a huge physical volume which would be later used as a DRBD volume.
Don't specify any file system type.

fdisk /dev/sda

Should print:

The number of cylinders for this disk is set to 9729.
There is nothing wrong with that, but this is larger than 1024,
and could in certain setups cause problems with:
1) software that runs at boot time (e.g., old versions of LILO)
2) booting and partitioning software from other OSs (e.g., DOS FDISK, OS/2 FDISK)

Command (m for help): p

Disk /dev/sda: 80.0 GB, 80026361856 bytes
255 heads, 63 sectors/track, 9729 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes

Device	Boot	Start	End	Blocks	Id	System
/dev/sda1	*	1	2611	20972826	83	Linux
/dev/sda2		2612	2872	2096482+	82	Linux swap
/dev/sda3		2873	3003	1052257+	8e	Linux LVM
/dev/sda4		3004	9729	54026595	5	Extended
/dev/sda5		3004	9729	54026563+	8e	Linux LVM

We are going to use /dev/sda5 as a DRBD device.

DRBD:

Installation:

On machine1 and machine2

```
yum -y install drb  
yum -y install kernel-module-drbd-2.6.9-42.ELsmp  
modprobe drbd
```

Configuration:

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About Me

PRAVEEN KUMAR KARAGADI
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I am from a village called Bidanooru

Nagara(situated in the heart of Malnad). Early schooling at

Chakranagar. PG from JNNCE, Shimoga. I like dogs, kids. In a way I enjoy teasing them a lot. But, I do care about them. What I do always? .. interpret behaviors.

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