

# Auto LUN balancing script v2.1 ...



KidE 38 posts since

Feb 27, 2006 Hereby i post the new version of the HBA auto lunbalancing script version 2.1

It doesn't matter if you have 2 4 6 or 8 storage paths to your LUNs this will balance it automaticly for you to spread the load.

```
for
PATHS in 2 4 6 8

do

    STPATHS=$
{PATHS
}
    COUNTER=
"1"

for
LUN in $(esxcfg-mpath -l | grep
"has ${STPATHS} paths" | awk
){print $2}')

do

    esxcfg-mpath --lun=$
{LUN
} --path=$(esxcfg-mpath -q --lun=$
{LUN
} | grep FC | awk
){print $4}' | awk
){print NR "S\t " $0}' | grep $
{COUNTER
}S | awk
){print $2}') --preferred
    COUNT=`expr $
{COUNTER
} + 1`
```

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```
COUNTER=$
{COUNT
}

if
[[ $
{COUNTER
} -gt $
{STPATHS
} ]]
then
    COUNTER=
"1"
fi
done
done
```

Happy MPIO 😊 Tags: network, networking, path, san, storage, luns, lun, hba, configuration



[rossb2b](#) 237 posts since

Aug 30, 2006 1. **Re: Auto LUN balancing script v2.1** Mar 31, 2008 5:00 PM

This looks interesting. It just so happens I will be able to test it in my development environment in the next week or so. I will let you know how it works.



[KidE](#) 38 posts since

Feb 27, 2006 2. **Re: Auto LUN balancing script v2.1** Mar 31, 2008 5:07 PM

👤 in response to: [rossb2b](#) To give you and idea, your esxcfg-mpath -l will look like this after you used the script.

```
Disk vmhba2:1:4 /dev/sdh (512000MB) has 4 paths and policy of Fixed
FC 16:0.1 50060b0000646c8a<->50060e8004f2e812 vmhba2:1:4 On
active preferred
FC 16:0.1 50060b0000646c8a<->50060e8004f2e873 vmhba2:2:4 On

FC 19:0.1 50060b0000646062<->50060e8004f2e802 vmhba4:1:4 On

FC 19:0.1 50060b0000646062<->50060e8004f2e863 vmhba4:2:4 On

Disk vmhba2:1:5 /dev/sdi (512000MB) has 4 paths and policy of Fixed
FC 16:0.1 50060b0000646c8a<->50060e8004f2e812 vmhba2:1:5 On

FC 16:0.1 50060b0000646c8a<->50060e8004f2e873 vmhba2:2:5 On
active preferred
FC 19:0.1 50060b0000646062<->50060e8004f2e802 vmhba4:1:5 On
```

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```
FC 19:0.1 50060b0000646062<->50060e8004f2e863 vmhba4:2:5 On

Disk vmhba2:1:6 /dev/sdj (307200MB) has 4 paths and policy of Fixed
FC 16:0.1 50060b0000646c8a<->50060e8004f2e812 vmhba2:1:6 On

FC 16:0.1 50060b0000646c8a<->50060e8004f2e873 vmhba2:2:6 On

FC 19:0.1 50060b0000646062<->50060e8004f2e802 vmhba4:1:6 On
active preferred
FC 19:0.1 50060b0000646062<->50060e8004f2e863 vmhba4:2:6 On

Disk vmhba2:1:7 /dev/sdk (307200MB) has 4 paths and policy of Fixed
FC 16:0.1 50060b0000646c8a<->50060e8004f2e812 vmhba2:1:7 On

FC 16:0.1 50060b0000646c8a<->50060e8004f2e873 vmhba2:2:7 On

FC 19:0.1 50060b0000646062<->50060e8004f2e802 vmhba4:1:7 On

FC 19:0.1 50060b0000646062<->50060e8004f2e863 vmhba4:2:7 On
active preferred

Disk vmhba2:1:8 /dev/sdl (512000MB) has 4 paths and policy of Fixed
FC 16:0.1 50060b0000646c8a<->50060e8004f2e812 vmhba2:1:8 On
active preferred
FC 16:0.1 50060b0000646c8a<->50060e8004f2e873 vmhba2:2:8 On

FC 19:0.1 50060b0000646062<->50060e8004f2e802 vmhba4:1:8 On

FC 19:0.1 50060b0000646062<->50060e8004f2e863 vmhba4:2:8 On

Disk vmhba2:1:9 /dev/sdm (512000MB) has 4 paths and policy of Fixed
FC 16:0.1 50060b0000646c8a<->50060e8004f2e812 vmhba2:1:9 On

FC 16:0.1 50060b0000646c8a<->50060e8004f2e873 vmhba2:2:9 On
active preferred
FC 19:0.1 50060b0000646062<->50060e8004f2e802 vmhba4:1:9 On


FC 19:0.1 50060b0000646062<->50060e8004f2e863 vmhba4:2:9 On
```



[rossb2b](#) 237 posts since

Aug 30, 2006 3. Re: Auto LUN balancing script v2.1 Mar 31, 2008 5:13 PM

Auto LUN balancing script v2.1 ...

 in response to: [KidE](#) Awesome!