基于Windows系统下如何管理DynaPath

其它功能　**彭奇锋**　2008-12-08 发表

DynaPath能在安装的时候自动配置。默认情况下，路径故障切换和负载均衡都是被激活的。如果你想修改这些配置，可以使用dynacfg功能，输入dynacfg来获得可用选项。

items	comments
-l	列举所有的组，并显示PnP延时
-u	修改PnP延时
-s	显示路径状态
-u	激活或屏蔽负载均衡功能

1．命令dynacfg –列举所有的组并显示几个选项。

C:\Program Files\DynaPath>dynacfg.exe -l

Dynapath version 5.01 build 921

Successfully opened \\.\dpd

Successfully created event

Send SPD_GETALLID

Debug_Level is set to 0

PnP Delay is set to 1 seconds

Use Page 80 is set to 0

There are 2 groups

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    spd_id: 1

    spd_id: 2

Done.

在这个例子中，有2个组，关闭了调试功能，PnP延时是1，并且系统正使用Page 80。

1．修改PnP延时

PnP延时是在NeoStor故障切换以后，恢复路径的时间间隔。推荐把这个延时设置为0。但是，有的驱动器要求这个延时为10。如果你使用Emulex适配器，那这个值就必须设置为10。

如果要为适配器修改PnP延时，在命令行下，输入命令：dynacfg –p delay。例如，要把这个延时改成10秒，就输入：dynacfg –p 10

C:\Program Files\DynaPath>dynacfg.exe -p 10

Dynapath version 5.01 build 921

Successfully opened \\.\dpd

Successfully created event

Send SPD_SET_PNP_DELAY

Set PnP Delay to 10 seconds

Done.

3．显示路径状态

在命令行，输入dynacfg –s spd_id

例如：dynacfg –s 1。出现如下界面。

C:\Program Files\DynaPath>dynacfg.exe -s 1

Dynapath version 5.01 build 921

Successfully opened \\.\dpd

Successfully created event

spd_id is 1

Send SPD_GETPATHSTATE

Group: 1

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     npath: 2

   balance: 1

 retrydelay: 3000

 retrycount: 100

   failback: 0

   exclude: 0

primarygroup: 0

     type: 0

   StrID: 600D777002F1757459E7685AED9C

 Path Status:

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    Path00:        State: PATH_GOOD
    Path00:  OnController: Primary
    Path00:  Commands Read: 6
    Path00: Commands Write: 0
    Path00:     Bytes Read: 3072
    Path00:    Bytes Write: 0
    Path01:        State: PATH_GOOD
    Path01:  OnController: Primary
    Path01:  Commands Read: 0
    Path01: Commands Write: 0
    Path01:     Bytes Read: 0
    Path01:    Bytes Write: 0
```

Done.

在这个例子中，负载均衡被激活（1表示激活，0表示屏蔽），每条路径都工作正常。

4．激活或屏蔽负载均衡

在命令行中，输入下面的命令来激活负载均衡。

dynacfg –u spd_id retrydelay retrycount loadbalance

dynacfg –u 1 3000 100 1

C:\Program Files\DynaPath>dynacfg.exe -u 1 3000 100 0

Dynapath version 5.01 build 921

Successfully opened \\.\dpd

Successfully created event

spd_id is 1

retrydelay is 3000

retrycount is 100

loadbalance is to be disabled

Send SPD_SETCONF

Successfully updated configuration

Done.

C:\Program Files\DynaPath>dynacfg.exe -u 1 3000 100 1

Dynapath version 5.01 build 921

Successfully opened \\.\dpd

Successfully created event

spd_id is 1

retrydelay is 3000

retrycount is 100

loadbalance is to be enabled

Send SPD_SETCONF

Successfully updated configuration

Done.

注意：

虽然可以修改retrydelay和retrycount的值，但是不推荐这样做。