8070产品在命令行界面下直接升级VRP软件示例（双主控）

一 配置步骤：
适合VRP3.1及以上版本
1．升级前确认双主控主备板已同步
  <Quidway>display hsc sta
  System frame type: NE16E
  Control mode: Double domains
  Master slot: 8; Slave slot: 6, Slave state: Good
  Debug switch: IPC off, Interrupt off
  System backup mode designated: Cool backup
  Master backup state: Cool backup
  Master/Slave configuration auto-sync switch: On

2．下载新的VRP软件到主用主控板硬盘上面
<ne16e>tftp 1.1.1.1 get 8070V100R007B03D035_Release_VRP3.cc hda1:/8070-1728.cc
  Now begin to download file from remote tftp server.
  Please wait for a while...
  TFTP: 7233020 bytes received in 51 seconds.
  File downloaded successfully.

  <ne16e>dir hda1:/
  Directory of hda1:/
  -rwxrwxrwx 1 noone   nogroup   0 Jan 14 2002 00:29:26   ntuser.dat
  -rwxrwxrwx 1 noone   nogroup 7120036 Jan 17 2002 08:37:24   8070-1717.01.cc
  -rwxrwxrwx 1 noone   nogroup 7233020 Jan 17 2002 08:48:48   8070-1728.cc

  19525472 KBytes total (19428080 KBytes free)

3．复制新的VRP软件到备用板硬盘上面
<ne16e>copy hda1:/8070-1728.cc slave#hda1:/
Copy hda1:/8070-1728.cc to slave#hda1:/8070-1728.cc ?[Y/N]:y
....
....
% Copied file hda1:/8070-1728.cc to slave#hda1:/8070-1728.cc
<ne16e>dir slave#hda1:/
Directory of slave#hda1:/

-rwxrwxrwx 1 noone   nogroup 14463428 Jan 14 2002 00:19:20 vrp510-124103.cc
-rwxrwxrwx 1 noone   nogroup   28 Jan 17 2002 08:35:52   private-data.txt
-rwxrwxrwx 1 noone   nogroup 7233020 Jan 17 2002 09:08:40   8070-1728.cc
19525472 KBytes total (19479568 KBytes free)

4．设置以新的VRP软件为重新启动的软件
<ne16e>startup sys hda1:/8070-1728.cc   //设置主用主控板启动文件
<ne16e>startup sys hda1:/8070-1728.cc slave   //设置备用主控板启动文件
<ne16e>dis startup   //查看确认设备的启动文件
MainBoard:
  Configed startup system software: hda1:/8070-1717.01.cc   V3.10 1717.01
  Startup system software: hda1:/8070-1717.01.cc   V3.10 1717.01
  Next startup system software: hda1:/8070-1728.cc   V3.10 1728
  Startup saved-configuration file: flash:/vrpcfg.cfg
  Next startup saved-configuration file: flash:/vrpcfg.cfg
  Next startup VIU bootrom: NULL
  Next startup compatible VIU bootrom: NULL
  Next startup enhance VIU bootrom: NULL
SlaveBoard:
  Configed startup system software: hda1:/1717.cc   V3.10 1717.01
  Startup system software: hda1:/1717.cc   V3.10 1717.01

Next startup system software:　　　hda1:/8070-1728.cc　　　V3.10 1728
Startup saved-configuration file:　　　flash:/vrpcfg.cfg
Next startup saved-configuration file:　　flash:/vrpcfg.cfg

5．整机重新启动

<ne16e>hsc reset sys　　　　　//注意此处如果用reboot命令只是重新启动主用板
The whole system will reset! Continue?[Y/N]:y

6．起来后确认系统运行的版本，以及主备同步的状态。

<Quidway>dis ver
VRP Software RELEASE Version: VRPV3R001M06B02D041
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Quidway NetEngine 16E　RELEASE 1728
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二 配置关键点：

1．下载新的VRP软件到主用主控板硬盘上面
　下载后要确认是否成功下载到硬盘上
2．复制新的VRP软件到备用板硬盘上面
　复制后要确认是否成功复制到备用板硬盘上。
3．设置以新的VRP软件为重新启动的软件
　设置以后还要检查是否设置成功。
4．整机重新启动
　一定要用hsc reset sys命令，否则不能成功整机升级
5．起来后确认系统运行的版本，以及主备同步的状态，已确保升级没有问题