**How to Upgrade Network Storage Firmware (V2.3.4/V2.3.4-2>>V2.3.5-2)**

**For dual-controller device**

Note: Firstly, make sure your dual-controller device deploy in correct mode. As dual-controller device have two controllers, each controller have an IP separately , and we also need create a resource IP , so before you upgrade for the dual-controller device , let it work in dual-controller mode. You can check the Cluster interface in the 2004 page shown as below.



The device should upgrade to **V2.3.5-2** first. And it only allow to upgrade when device CVR status is **working.** So the right step should be

1. Login resource ip to check CVR service (<https://IP> (resource):2004) .Make sure the CVR service status is Working.
2. Then you need to upgrade in two controller separately, login in <https://IP> (controller A):2004 and <https://IP> (controller B):2004; Do the upgrade operation in these two controller physical ip.



**235-2 Firmware Package:**



Steps:

Step1: Upgrade 0storos-201711211501-Fix\_CVRService\_For\_Mars-CVR2.3.X-915.bin in controller A, then do same operation in controller B

Controller A:

Please wait several minutes until it shows below tips



Controller B:

Please wait several minutes until it shows below tips



Step2: Upgrade following files one by one in controller A

1astoros-201702271556-C-backup\_system-915.bin

1astoros-201805081616-B\_FW-Multi\_V2.28sp2-915.bin

1bstoros-201808271442-B\_FW-Avoid\_Dead\_2.2-915.bin

2astoros-201808141848-B\_OS\_915-storOS\_HWT\_N25363\_CVR235-915.bin

2bstoros-201803261332-B\_OS\_915-storOS\_page\_time\_2018-915.bin

2cstoros-201808101326-B\_OS\_915-storOS\_switch\_open\_oversea\_mode-915.bin

3astoros-201808010116-B\_SAN-Baseline-915.bin

3bstoros-201806140823-C\_SAN-enable\_iscsi\_akey\_configuration-915.bin

3cstoros-201702131218-C\_NAS\_V130-update\_NAS-915.bin

4astoros-201604051916-CVR-watchdog2.0-stop-CVR232.bin

4bstoros-201808311122-B-CVR\_V235\_release-suse\_x64-91X.bin

4cstoros-201807050705-C-TO-N+1-CONFIG-FOR\_23X-915.bin

4dstoros-201808021124-B-cvr\_version-suse\_x64-91X.bin

4estoros-201807311400-Fix-nvr\_conf-suse\_x64-91X.bin

Step3: Upgrade following files one by one in controller B

1astoros-201702271556-C-backup\_system-915.bin

1astoros-201805081616-B\_FW-Multi\_V2.28sp2-915.bin

1bstoros-201808271442-B\_FW-Avoid\_Dead\_2.2-915.bin

2astoros-201808141848-B\_OS\_915-storOS\_HWT\_N25363\_CVR235-915.bin

2bstoros-201803261332-B\_OS\_915-storOS\_page\_time\_2018-915.bin

2cstoros-201808101326-B\_OS\_915-storOS\_switch\_open\_oversea\_mode-915.bin

3astoros-201808010116-B\_SAN-Baseline-915.bin

3bstoros-201806140823-C\_SAN-enable\_iscsi\_akey\_configuration-915.bin

3cstoros-201702131218-C\_NAS\_V130-update\_NAS-915.bin

4astoros-201604051916-CVR-watchdog2.0-stop-CVR232.bin

4bstoros-201808311122-B-CVR\_V235\_release-suse\_x64-91X.bin

4cstoros-201807050705-C-TO-N+1-CONFIG-FOR\_23X-915.bin

4dstoros-201808021124-B-cvr\_version-suse\_x64-91X.bin

4estoros-201807311400-Fix-nvr\_conf-suse\_x64-91X.bin

Step4:Reboot both of controller A and controller B





Upgrade done

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