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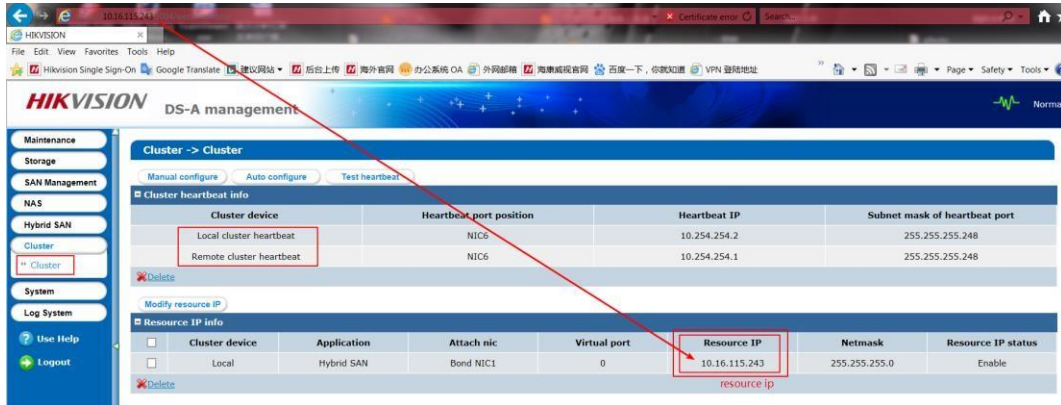## How to Upgrade Network Storage Firmware (V.2.3.8-4)

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.

It's 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.
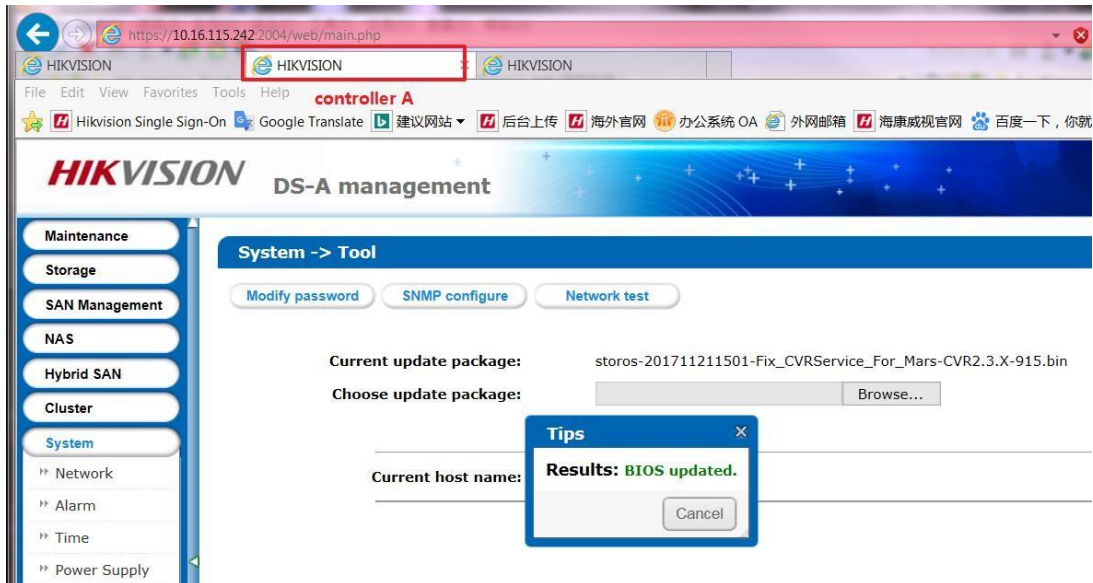

238-4 Firmware Package:

0storos-201711211501-Fix_CVRService_For_Mars-CVR2.3.X-915.bin	2020/11/19 13:38	VLC media file (.bin)	66 KB
1storos-202104191403-B_FW-Multi_V2.32sp3-915.bin	2021/4/20 15:10	VLC media file (.bin)	37,758 KB
2storos-202104151014-B_OS-N51745_CVR238sp1-915.bin	2021/4/19 09:42	VLC media file (.bin)	31,017 KB
3storos-201804091424-C_OS-StorOSManager_EN-915.bin	2021/4/19 09:42	VLC media file (.bin)	5,154 KB
4storos-202103040943-B_OS-rm_cleardom.php-915.bin	2021/4/19 09:42	VLC media file (.bin)	53 KB
5storos-202106101422-B-CVR_238-4_Oversea_Main_Release-915.bin	2021/6/10 14:26	VLC media file (.bin)	40,185 KB
6storos-202106101428-B-CVR_238-4_Oversea_Hiklib_Release-915....	2021/6/10 14:28	VLC media file (.bin)	14,368 KB
7storos-202104261359-B-CVR_TO-EN-STD-VERSION-915.bin	2021/4/26 14:04	VLC media file (.bin)	4,743 KB

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Steps:

Step1: Upgrade **0storos-201711211501-Fix_CVRService_For_Mars-CVR2.3.X-915.bin** (Special for dual controller device) in controller A, then do same operation in controller B
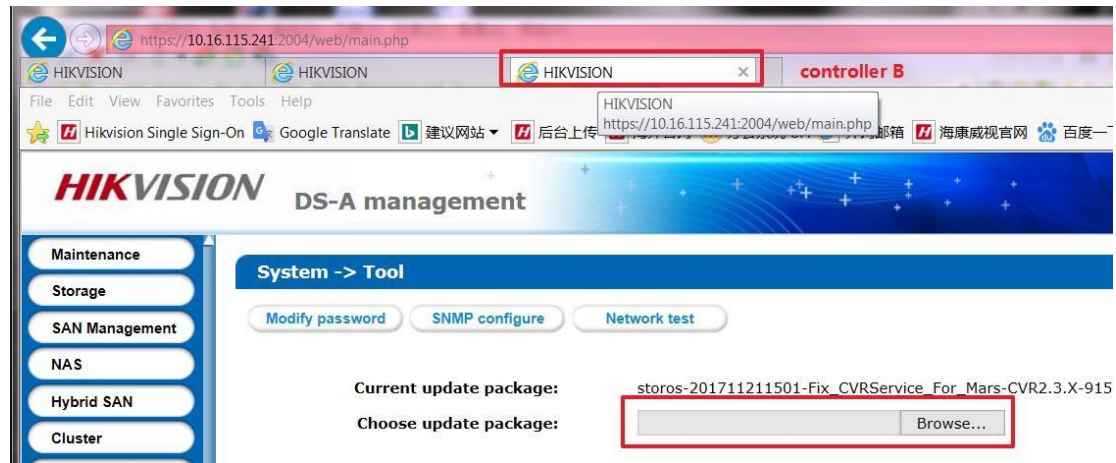
Controller A:

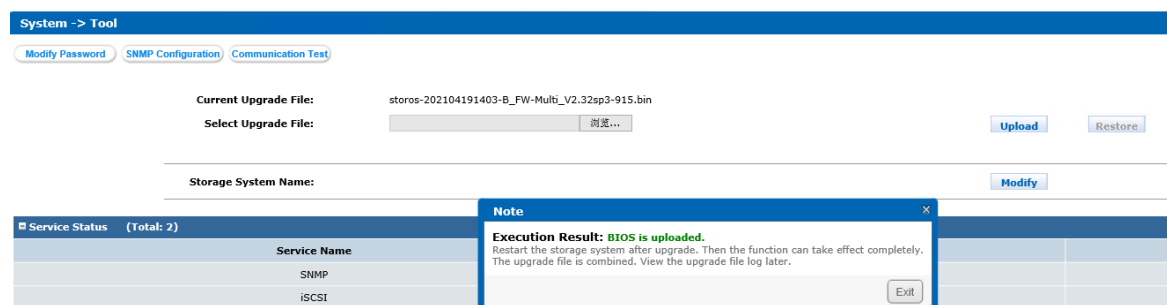**Please wait several minutes until it shows below tips**
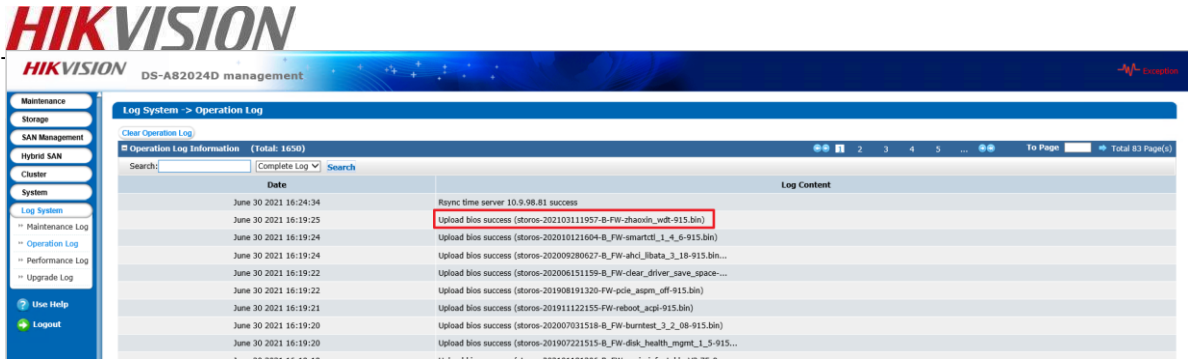

Controller B:

Please wait several minutes until it shows below tips

Step2: Upgrade **1storos-202104191403-B_FW-Multi_V2.32sp3-915.bin** in controller A **Controller A:**

Please wait 3 minutes after it shows below tips, and this is a combined package, please enter the upgrade log interface to double check if all the patches upgrade success or not.

Step3：**2storos-202104151014-B_OS-N51745_CVR238sp1-915.bin**

Step4：**3storos-201804091424-C_OS-StorOSManager_EN-915.bin**

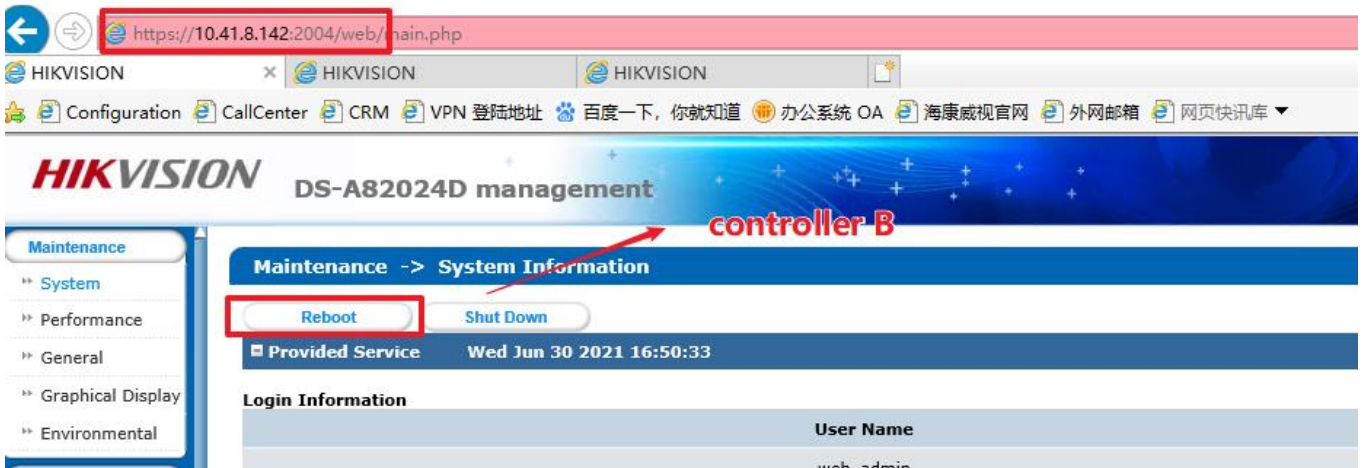Step5：**4storos-202103040943-B_OS-rm_cleardom.php-915.bin**

Step6：**5storos-202106101422-B-CVR_238-4_Oversea_Main_Release-915.bin**

Step7：**6storos-202106101428-B-CVR_238-4_Oversea_Hiklib_Release-915.bin**

Step8：**7storos-202104261359-B-CVR_TO-EN-STD-VERSION-915.bin**

Step8: then do same step2、step3、...、step7、step8 in controller B

Step9：Reboot the controller A and controller B

Upgrade done

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