xStack Series PROM 2.x Downgrade to 1.00B06 Procedure

This procedure is used to downgrade the xStack series (DGS-3324SR, DGS-3324SRi, DXS-3350SR, DXS-3326GSR) 2.x (2.01B01 or 2.00B04) PROM version to 1.00B06 PROM version. (Note: It's not applicable to downgrade to PROM 1.00B05).

The scenario that needs such PROM code downgrade is for stacking compatibility. XStack series units with different 1.x or 2.x PROM version cannot stack together. To let them stack, all units must have 1.x PROM or all units have 2.x PROM. If unit to be stacked are of different PROM version, customer can either (1) upgrade 1.x PROM units to 2.x or (2) downgrade 2.x units to this 1.00B06 PROM (so that all units have same 1.x or 2.x PROM). The procedure below is for the downgrade (2). For upgrade, please refer to another upgrade document.

In the following, PROM 2.01B01 is used as the example. All the steps are done using ZMODEM. PROM update must be done before runtime update.

IMPORTANT: During the following procedure, when the warning message: "DO NOT power off" displays, DONOT power off. At this moment, power-off the device will cause PROM damaged, and need RMA to recover.

There are two steps:

Step 1: Downgrade PROM from 2.01B01 version to 1.00B06.

Step 2: Download needed (any version) runtime firmware using Z-modem.

🊱 115200 - HyperTerminal	
File Edit View Call Transfer Help	
Command: show switch	
Device Type : DCS-3324SR* Stackable Ethernet Switch	
Unit ID : 1	
MAC Address : 1A-2B-3C-19-27-30	
IP Address : 10.90.90.90 (Manual)	
VLAN Name : default	
Subnet Mask : 255.0.0.0	
Default Gateway : 0.0.0.0	
Boot PROM Version : Build 2.01-B01	
Firmware Version : Build 4.10-B15	
hardware version . car	
Device S/N :	
System Name :	
System Location :	
System Contact :	
Spanning Tree : Disabled	
GVRP : Disabled	
The shooping Disabled	
RIP : Disabled	
DURKP . Disabled	
OFF Disabled	
TRINET - Probled (TCD 22)	
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Connected 0:23:15 VT100 115200 8-N-1 SCROLL CAPS NUM	Capture Print echo

Before downgrade

Step 1: Downgrade PROM from 2.01B01 version to 1.00B06

1. Reboot the device, press "Shift" + "3" when post runs before 100%

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Boot Procedure Power On Self Test		2.01-B01 10 %_	
Connected 0:24:28 VT10	0 115200 8-N-1 SCRO	LL CAPS NUM Capture Print echo	

2. You will enter boot configuration menu. Do not do anything, select "APPLY" and then Enter,



3. You will go to Z-modem widow.



4. Select "Transfer" \rightarrow "Send File", a send file window will pop out.

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Send File. Send File. Receive File Capture To Send Text	e xt File
Capture to	Printer Printer
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Sends a file to the remote system	`

5. Choose the file: pXprom_1.00-B06dl.had, then press "send." It will start to download.

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Connected 0:21:39	VT100	115200 8-N-1	SCROLL	CAPS	NUM	Capture	Print echo

6. After download completely, the window will show like this.

IMPORTANT: During reboot, the warning message: "DO NOT power off" will display. At this time, power-off the device will cause PROM damaged, and need RMA to recover.



7. Press "Enter", the device will reboot. While booting, you can notice that PROM version has been changed to 1.00B06.

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File Edit View Call Transfer Help	
Boot Procedure Power On Self Test	1.00-B06
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Step 2: Download needed (any version) runtime firmware using Z-modem.

8. Press "Ctrl" + "C" to get into boot configuration menu



9. Change the baud Rate to 115200, then REBOOT

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ile Edit View Call Transfer Help	
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BOOT CONFIGURATION MENU	
Management Module MAC Address: 1A-2B-3C-19-27-30	
Download Protocol : < Z Modem>	
Baud Rate <115200 >	
777007	
<u>R55001</u>	****
Message Area:	
Reset Management Module and use new settings. CTRL+T=Root screen	resh
poerted 0:43:04 VT100 115200 8-NL1 SCPOLL CAPS NUM Capture Print	echo

10. This time, it will show this message

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Boot Procedure					1.00-B06	
Power On Self Test				. 60 %		
Failure Reason: Runtime code che	k sum er:	rorll				
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Z-Modem: baud rate - 115200 Z-Modem: Establishing Connection	with Sen	der.				
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11. Select "Transfer" \rightarrow "Send File", a send file window will pop out.

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File Edit View Call	Transfer Help		
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5ends a file to the remote	e system		11.

12. Choose the file: pXrun_3.00-B16.had, then press "send." It will start to download.

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Z-Modem: Can't	Filename:					
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13. After download completely, the window will show like this.

IMPORTANT: During reboot, the warning message: "DO NOT power off" will display. At this time, power-off the device will cause PROM damaged, and need RMA to recover.



14. When device boot up, show switch, you will see both PROM and firmware are correctly downloaded in device.

Command: show sw	itch	1
Device Type	: DGS-3324SR Stackable Ethernet Switch	
Unit ID	: 1	
MAC Address	: 1A-2B-3C-19-27-30	
IP Address	: 10.90.90.90 (Manual)	
VLAN Name	: default	
Subnet Mask	: 255.0.0.0	
Default Gaceway	. 0.0.0.0	
Boot PROM Versio	n : Build 1.00-B06	
Firmware Version	: Build 3.00-B16	
Hardware version	C ZAL	
Device S/N		
System Name	- :	
System Location	1 <u>1</u>	
System Contact		
Spanning Tree	: Disabled	
GVRP	: Disabled	
IGMP Shooping	: Disabled	
RTP DUMDB	- Disabled	
DTM-DM	· Dicabled	
OSPF	: Disabled	
TELNET	: Enabled (TCP 23)	
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