

UPDATE DELL SERVER FIRMWARE THROUGH IKVM AND USB DRIVE

PREPARED BY TRACY

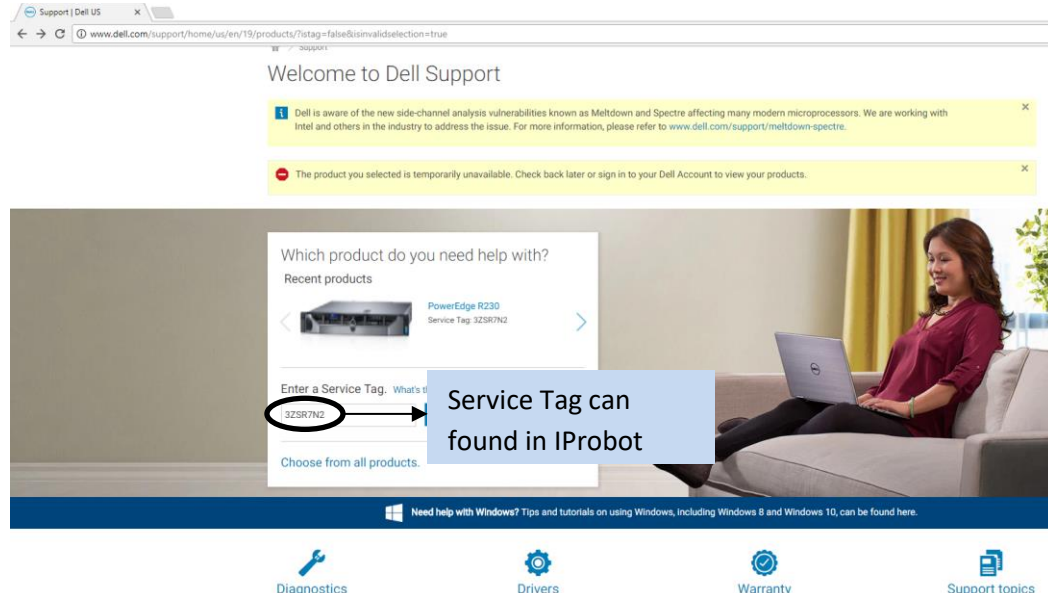
- 1) Login server ikvm page and look on server information to find out the current firmware used in particular server.

Firmware Inventory ▲ Back To Top

| Component | Firmware Version |
|--|------------------|
| Integrated Dell Remote Access Controller | 2.50.50.50 |
| Broadcom Gigabit Ethernet BCM5720 - 50:9A:4C:7B:A2:63 | 20.6.52 |
| Broadcom Gigabit Ethernet BCM5720 - 50:9A:4C:7B:A2:64 | 20.6.52 |
| BIOS | 2.3.2 |
| Lifecycle Controller | 2.50.50.50 |
| Dell 32 Bit uEFI Diagnostics, version 4239, 4239A36, 4239.44 | 4239A36 |
| Dell OS Driver Pack, 17.08.10, A00 | 17.08.10 |
| OS COLLECTOR 2.1, A00 | 2.1 |
| System CPLD | 1.0.0 |
| PERC H330 Adapter | 25.5.3.0005 |
| Disk 0 in Backplane 1 of RAID Controller in Slot 2 | EG02 |
| Disk 1 in Backplane 1 of RAID Controller in Slot 2 | EG02 |
| BP13G+ 0.1 | 2.25 |

- 2) Search latest firmware at Dell official website:

<http://www.dell.com/support/home/us/en/19/products/?istag=false&isinvalidselection=true>



3) Search for drivers & downloads section and choose for Not Applicable.

Support topics & articles

Drivers & downloads

Manuals & documents

Warranty

System configuration

Parts & accessories

Drivers & downloads

Find a driver for your PowerEdge R230

Keyword :
Enter a driver name or keyword

Operating system :
Not Applicable

Category :
All

Format :
All

☐ Show urgent downloads only

4) Search for BIOS/Lifecycle controller/Raid Controller firmware

Keyword :
Enter a driver name or keyword

Operating system :
Not Applicable

Category :
BIOS

Format :
All

☐ Show urgent downloads only

Add Selected to Download List

| Name | Category | Last Updated | Download |
|--|----------|----------------------------------|----------|
| Dell Server PowerEdge R330/R230/T330/T130 BIOS Version 2.3.2 | BIOS | 22 Nov 2017 | |
| Importance: Urgent | | | |
| Version: 2.3.2 ,2.3.2 | | Release Date: 21 Nov 2017 | |
| File Name: BIOS_832M2_WN32_2.3.2_02.EXE Other formats | | | |
| File size: 14.62 MB | | | |
| Description: PowerEdge R330/R230/T330/T130 BIOS Version 2.3.2 | | | |
| Restart required | | | |

Choose for WIN32.exe version only

Keyword :

Operating system :

Category :

Format :

☐ Show urgent downloads only

| Name | Category | Last Updated | Download |
|--|---------------------------------|----------------------------------|--------------------------|
| <input type="checkbox"/> iDRAC with Lifecycle Controller 2.50.50.50 | iDRAC with Lifecycle controller | 29 Nov 2017 | Download |
| Importance: Recommended | | | |
| Version: 2.50.50.50 ,A00 | | Release Date: 26 Sep 2017 | |
| File Name: iDRAC-with-Lifecycle-Controller_Firmware_278FC_WN32_2.50.50.50_A00.EXE Other formats | | | |
| File size: 101.37 MB | | | |
| Description: iDRAC with Lifecycle Controller 2.50.50.50 | | | |

Choose for WIN32.exe version only

Keyword :

Operating system :

Category :

Format :

☐ Show urgent downloads only

| Name | Category | Last Updated | Download |
|--|----------|----------------------------------|--------------------------|
| <input type="checkbox"/> Dell PERC H330 Mini/Adapter RAID Controllers firmware version 25.5.4.0006 | SAS RAID | 18 Jan 2018 | Download |
| Importance: Urgent | | | |
| Version: 25.5.4.0006 ,A10 Older versions | | Release Date: 11 Jan 2018 | |
| File Name: SAS-RAID_Firmware_V4G60_WN32_25.5.4.0006_A10.EXE Other formats | | | |
| File size: 6.99 MB | | | |
| Description: Dell PERC H330 Mini/Adapter RAID Controllers firmware version | | | |

Choose for WIN32.exe version only

UPDATE FIRMWARE BY USING IKVM

1) Choose Update and Rollback

System Summary

Server Health

☒ Batteries

☒ Fans


☒ Intrusion

☒ Removable Flash Media

☒ Temperatures

☒ Voltages

Virtual Console Preview



[Settings](#)
[Refresh](#)
[Launch](#)

Server Information

| | |
|-------------------------------|-------------------|
| Power State | ON |
| System Model | PowerEdge R230 |
| System Revision | I |
| System Host Name | MINWINPC |
| Operating System | |
| Operating System Version | |
| Service Tag | 3ZSR7N2 |
| Express Service Code | 8694962030 |
| BIOS Version | 2.3.2 |
| Firmware Version | 2.50.50.50 |
| IP Address(es) | 172.20.3.42 |
| iDRAC MAC Address | 50:9A:4C:7B:A2:65 |
| DNS Domain Name | |
| Lifecycle Controller Firmware | 2.50.50.50 |
| iSDM Firmware Version | N/A |
| Location | |

Quick Launch Tasks

Power ON / OFF

Power Cycle System (cold boot)

System ID LED ON/OFF ☒

[View Logs](#)

Update and Rollback

[Reset iDRAC](#)

2) Choose your file path >> upload

Firmware

Update | Rollback

Firmware Update

Update | Automatic Update

File Location..... ☒ Local ☐ Network Share ☐ FTP ☐ TFTP ☐ HTTP

Single Update Location

File Path SAS-RAID_Firmwar....4.0006_A10.EXE

3) Choose Install and Reboot Firmware Update

Update Automatic Update

File Location Local Network Share FTP TFTP HTTP

Single Update Location

File Path Choose File No file chosen

Upload

Update Details

| Contents | Criticality | Status |
|--|-------------|----------------------------------|
| <input checked="" type="checkbox"/> SAS-RAID_Firmware_V4G60_WN32_25.5.4.0006_A10.EXE | Urgent | Package successfully downloaded. |

Cancel Install and Reboot Install Next Reboot

4) You may go Job Queue to verify update process.

Properties Attached Media vFlash Service Module Job Queue

Job Queue

| ID | Job | Status |
|------------------|-----------------------|--------|
| JID_169017408254 | Firmware Update: RAID | New |

Start Time: Not Applicable
Expiration Time: Not Applicable
Message: RED023: Lifecycle Controller in use. This job will start when Lifecycle Controller is available.

If you saw this error, please make sure your lifecycle controller is fully turn off

Delete

5) When you saw this message, mean the update process is running.

Job Queue

| ID | Job | Status |
|------------------|-----------------------|---------|
| JID_169017408254 | Firmware Update: RAID | Running |

Start Time: Next Reboot
Expiration Time: Not Applicable
Message: PR029: Job in progress.

RAID Update (JID_169017408254)

Current Status: Task in Progress
Task Time Limit: 5 mins
Elapsed Time: 00:29

Task: 1 of 1
Total Elapsed Time: 00:00:29

Tasks are running normally.

Do not restart, press CTRL+ALT+DEL, or turn off the server. The system will restart automatically when complete.

6) Completed

Job Queue

| | ID | Job | Status |
|---|------------------|---|------------------|
| + | RID_169022621028 | Reboot: Graceful OS shutdown with powercycle on timeout | Reboot Completed |
| - | JID_169017408254 | Firmware Update: RAID | Completed |

Start Time: Next Reboot
Expiration Time: Not Applicable
Message: PR19: Job completed successfully.

7) Verification

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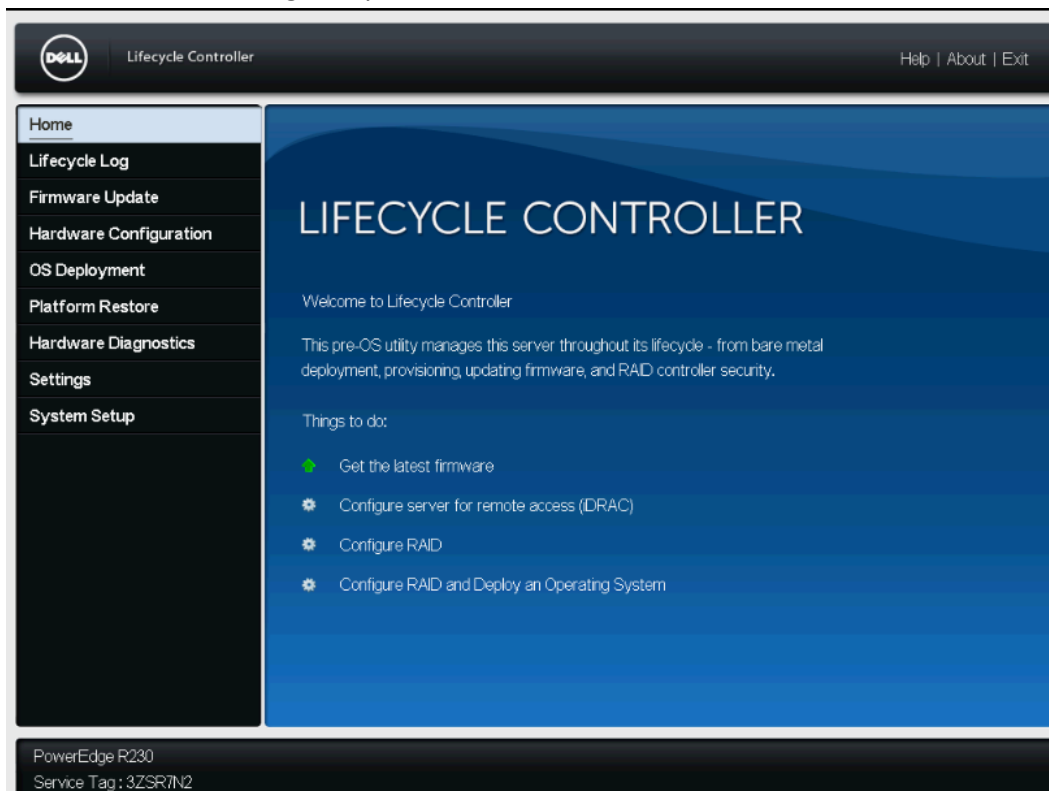
→ Version updated

Firmware Inventory

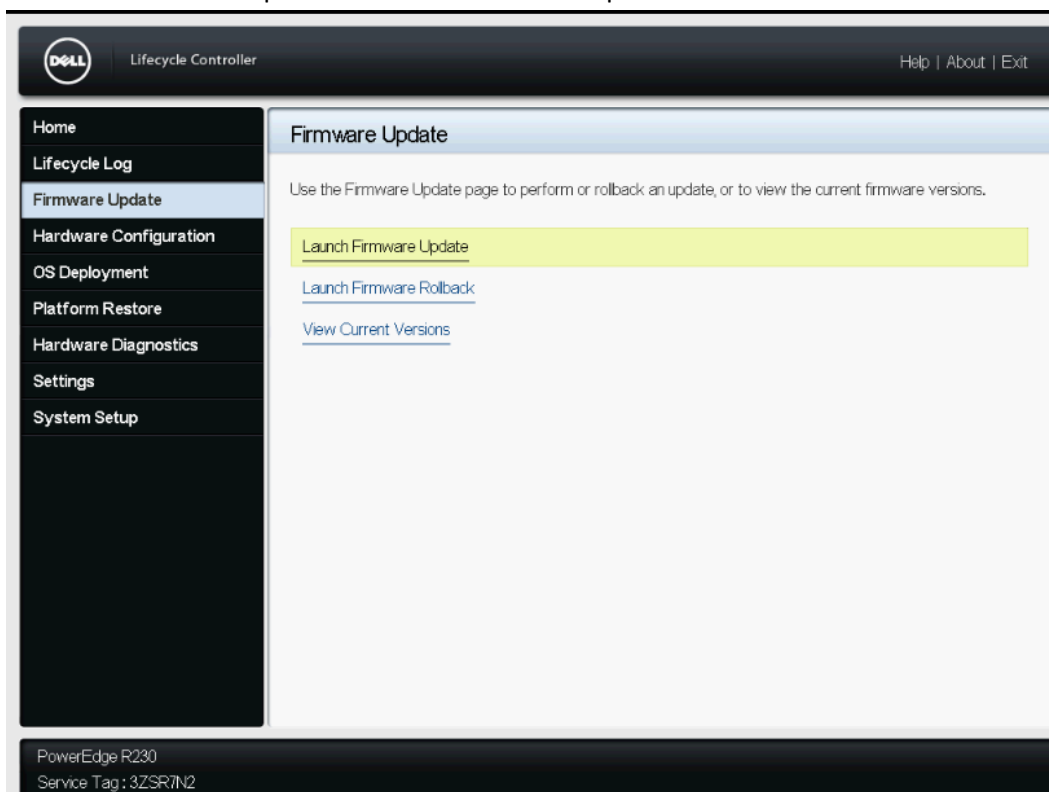
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UPDATE FIRMWARE BY USING LIFECYCLE CONTROLLER BY USING USB DRIVE

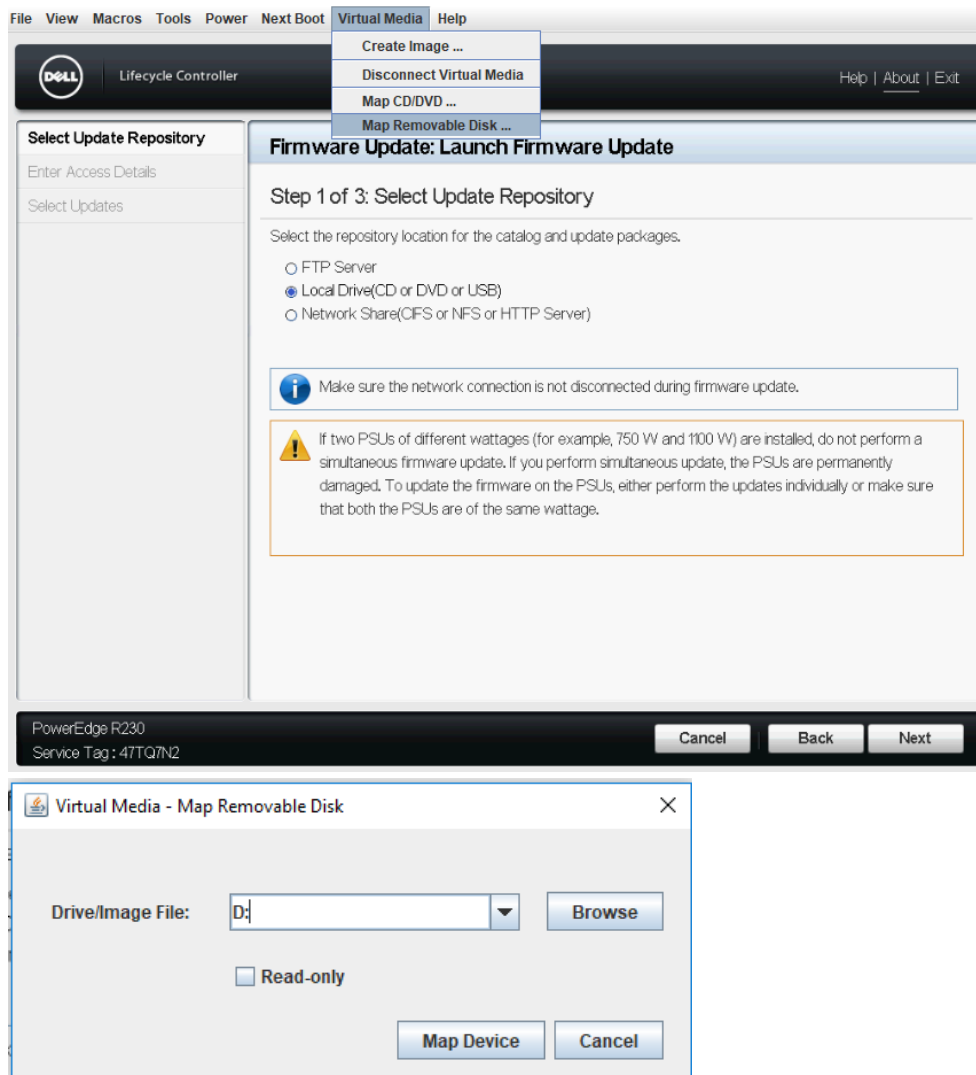
- 1) Press F10 for connecting LifeCycle Controller



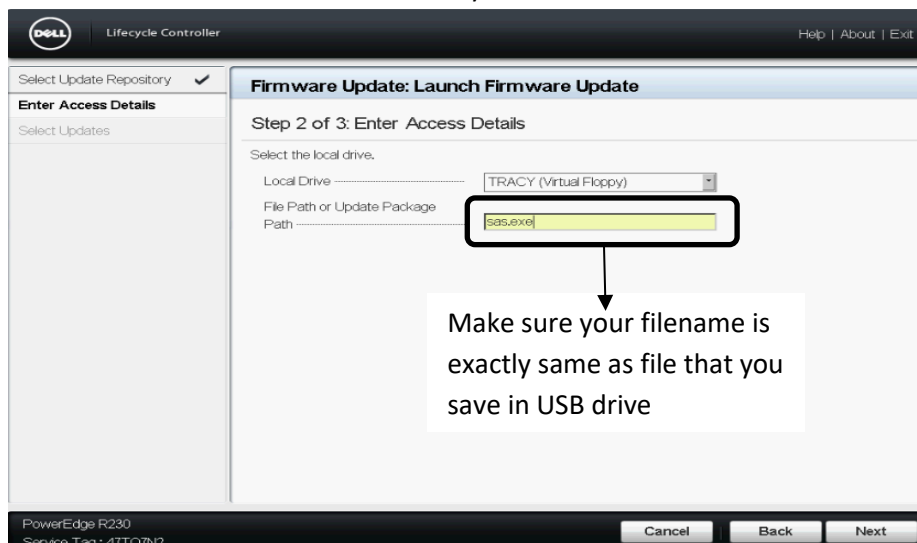
- 2) Access to Firmware Update >> Launch Firmware Update



- 3) Map your USB Drive using virtual Media from your own PC or physically plug in USB drive into server. You may skip the step of Map Removable Disk if you are physically plug in USB drive into server.



- 4) Choose Local Drive >> Next >> Choose your Local Drive



5) Select Updates and Apply

Select Update Repository ✓

Enter Access Details ✓

Select Updates

Firmware Update: Launch Firmware Update

Step 3 of 3: Select Updates


Use the table to select available updates.

Release Date: 2018-01-09

Source: USB or CD or DVD (TRACY (Virtual Floppy)\sas.exe)

Available System Updates

| Component | Current | Available |
|---|-------------|-------------|
| <input checked="" type="checkbox"/> PERC H330 Adapter | 25.5.3.0005 | 25.5.4.0006 |
| | | |

 System will reboot after selected updates are applied.

PowerEdge R230

Service Tag : 47TQ7N2

Cancel

Back

Apply

6) Update process

7485-C1801, PowerEdge R230, User: root, 2.0 fps

File View Macros Tools Power Next Boot Virtual Media Help

Automated Task Application

Help | About

RAID Update (JID_1690...

RAID Update (JID_169017408254)

Current Status

Task in Progress

Task Time Limit

5 mins

Elapsed Time


00:29


Task

1 of 1

Total Elapsed Time

00:00:29

 Tasks are running normally.

 Do not restart, press CTRL+ALT+DEL, or turn off the server. The system will restart automatically when complete.

PowerEdge R230

Service Tag : 3ZSR7N2

Current User(s): root: 172.20.0.3

7) Completed and verify the version is updated.