

How to download Drive Firmware (revisions 0F0B and SC0C) provided to your array:

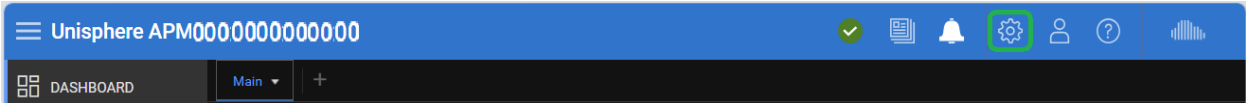
Note: These instructions are being provided to load and upgrade firmware on to Toshiba AL15SE (FW 0F0B) and Seagate Skybolt (FW SC0C) drives included in "[Unity-Drive-Firmware-V22-2024-07-23.tgz.bin.gpg](#)".

Note: You should perform the pre-update health check which is part of the drive upgrade at some point before attempting to upgrade the drive firmware. If the pre-update health check fails, resolve the issue before performing an update. If the health check does not fail, but displays warning messages highlighting potential issues, check and correct these issues either before or after the update.

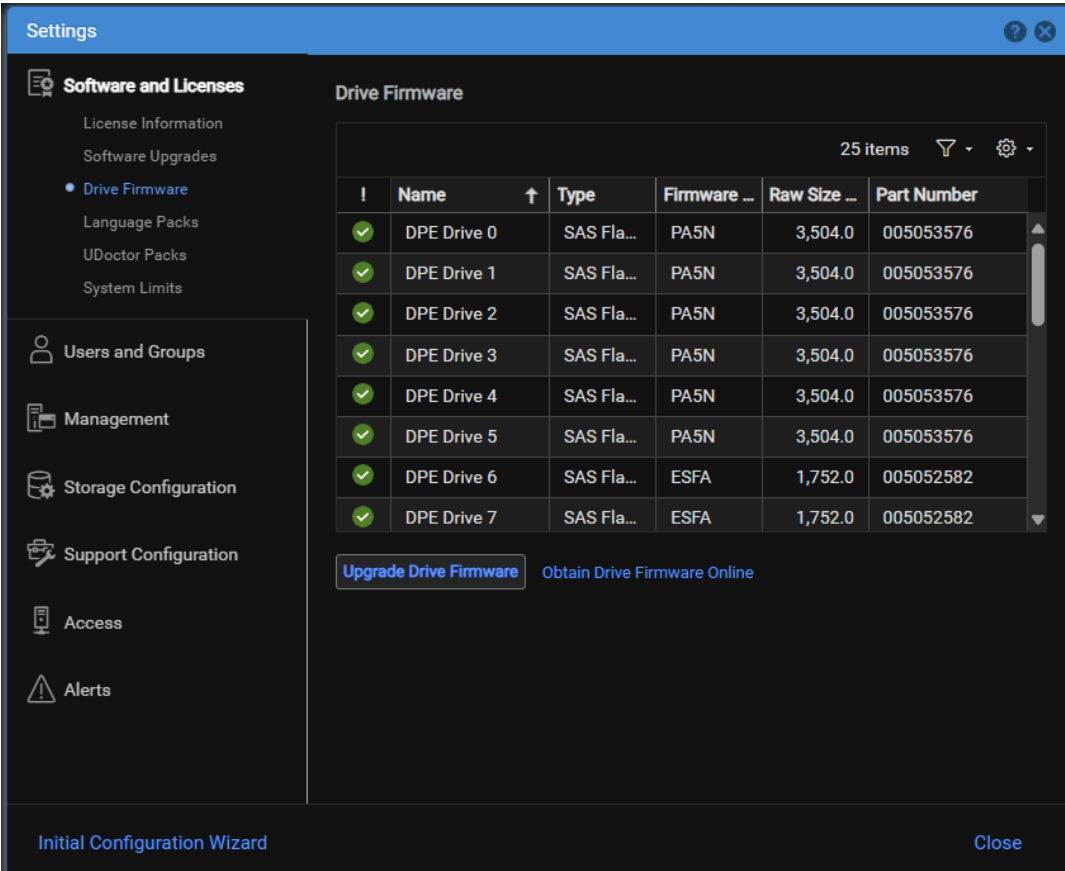
NOTE: Online disk firmware upgrades (ODFU) are typically non-disruptive and do not require downtime or SP reboots. The system lets you know if there are any disruptions in the "summary" section of the upgrade wizard when performing the upgrade using the UI. You have the opportunity to cancel the upgrade at this point if you do not want to move forward.

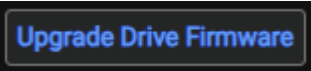
- 1. It is highly recommended that you disable WRITE CACHE before performing the drive upgrades. WRITE CACHE can be re-enabled after the drive upgrade is completed.
- 2. Copy the attached/provided "Unity-Drive-Firmware-V22-2024-07-23.tgz.bin.gpg" file accessible from your laptop or desktop.
- 3. Using your Log into your array via the GUI using the array Admin username and password.

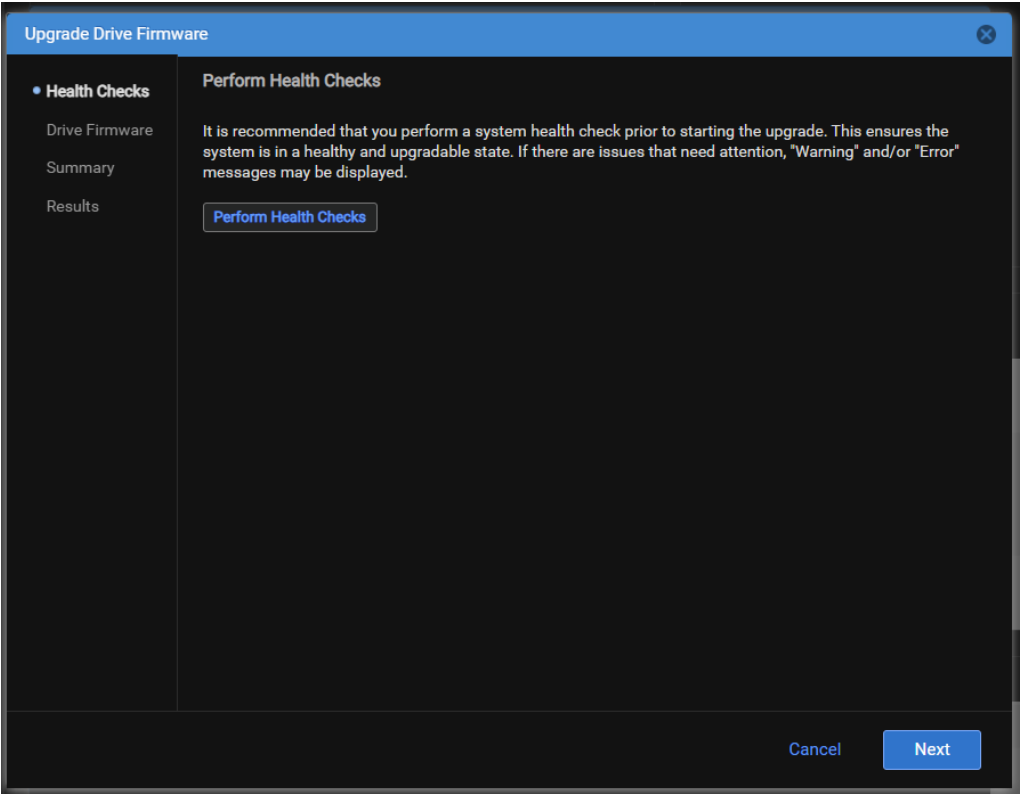
- 4. Click on the gear () icon, at the top RIGHT Hand Side of the screen



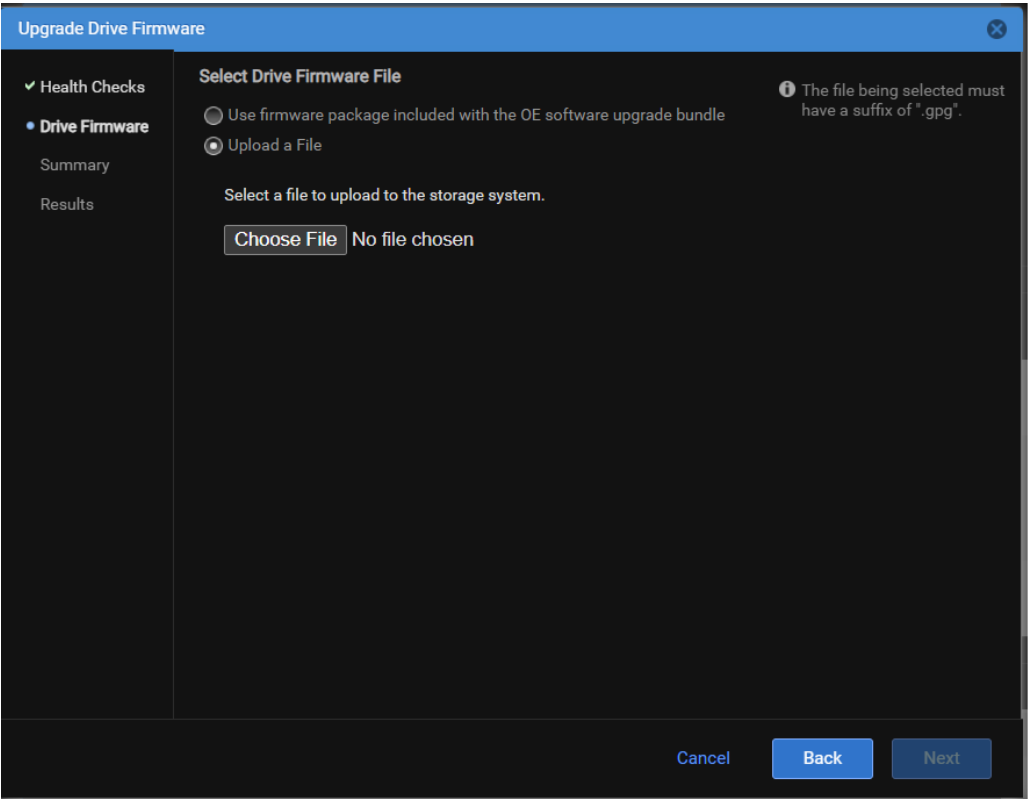
- 5. Select "**Software and Licenses** → **Drive Firmware**" on the panel that pops up.

The image shows a 'Settings' window with a sidebar on the left containing various configuration categories like 'Software and Licenses', 'Users and Groups', 'Management', 'Storage Configuration', 'Support Configuration', 'Access', and 'Alerts'. The 'Software and Licenses' section is expanded, and the 'Drive Firmware' tab is selected. The main area displays a table with 25 items. The table has columns for Name, Type, Firmware, Raw Size, and Part Number. The first seven rows show 'DPE Drive 0' through 'DPE Drive 6', all with 'SAS Fla...' as the type and 'PA5N' as the firmware. The last two rows show 'DPE Drive 6' and 'DPE Drive 7', both with 'ESFA' as the firmware. Below the table, there are two buttons: 'Upgrade Drive Firmware' and 'Obtain Drive Firmware Online'. At the bottom of the window, there is a footer with 'Initial Configuration Wizard' and a 'Close' button.

6. Click on the “**Upgrade Drive Firmware**” () button, and click on the Next button on the next panel which pops up. You may “**Perform Health Checks**” first if you wish.



7. Select “**Select Drive Firmware File → Upload a File**” on the panel which pops up, and then click the “**Choose File**” button below the “Select a file to upload to the storage system.” prompt.



8. Now select the “Unity-Drive-Firmware-V22-2024-07-23.tgz.bin.gpg” from where you had saved it originally accessible from your laptop/desktop.
9. Click the “**Next**” button which should now be available. This will upload the named file to your array.

Upgrade Drive Firmware

✓ Health Checks

• Drive Firmware

Summary

Results

Select Drive Firmware File

☐ Use firmware package included with the OE software upgrade bundle

☒ Upload a File

Select a file to upload to

Choose File

Unity-Drive-Firmware-V22-2024-07-23.tgz.bin.gpg

Waiting on server..

The file being selected must have a suffix of ".gpg".

Cancel

Back

Next

Upgrade Drive Firmware

✓ Health Checks

• Drive Firmware

Summary

Results

Select Drive Firmware File

☐ Use firmware package included with the OE software upgrade bundle

☒ Upload a File

Select a file to upload to the storage system.

Choose File

Unity-Drive-Firmware-V22-2024-07-23.tgz.bin.gpg

The file being selected must have a suffix of ".gpg".

Cancel

Back

Next

10. You should now be able to upgrade drive firmware for drives in your array, if a version exists in the GPG file you just uploaded to this array. Click the **“Finish”** button to start the drive upgrade.

If no issues exist on the array, the

Upgrade Drive Firmware

✓ Health Checks

• Drive Firmware

Summary

Results

Select Drive Firmware File

☐ Use firmware package included with the OE software upgrade bundle

☒ Upload a File

Select a file to upload to

Choose File

Unity

Uploading 29%

07-23.tgz.bin.gpg

The file being selected must have a suffix of ".gpg".

Cancel

Back

Next

Upgrade Drive Firmware

✓ Health Checks

• Drive Firmware

Summary

Results

Select Drive Firmware File

☐ Use firmware package included with the OE software upgrade bundle

☒ Upload a File

Select a file to upload to

Choose File

Unity

Waiting on server..

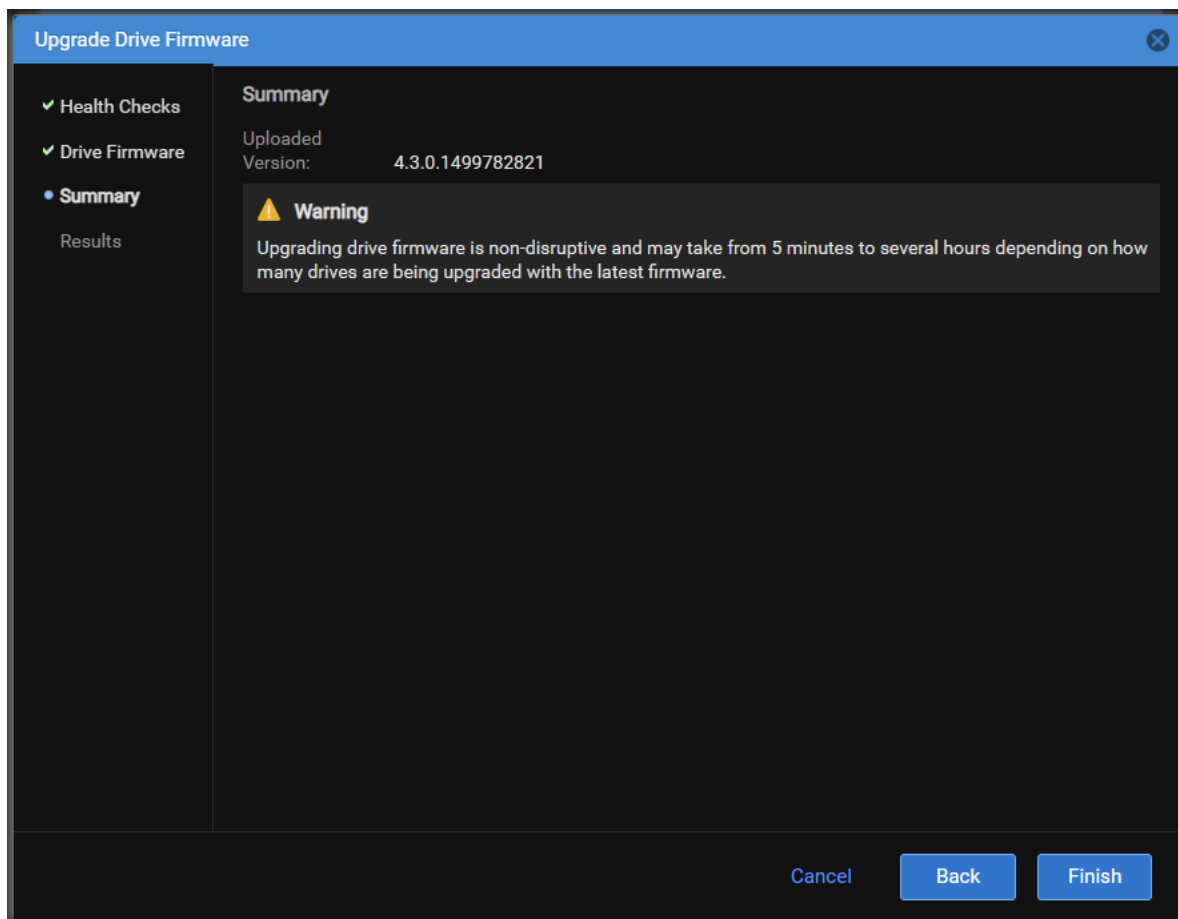
23.tgz.bin.gpg

The file being selected must have a suffix of ".gpg".

Cancel

Back

Next



11. Barring any issues on the array, the Drive Upgrade should complete for the drives for which new firmware is included in the GPG you downloaded. In this case, Toshiba AL15SE and Seagate Skybolt drives.
12. Re-enable WRITE CACHE if you had disabled it prior to the Drive Upgrade.

Toshiba AL15SE drive TLAs that can be upgraded to FW 0F0B are listed below.

Drive	Part Numbers	FW
Toshiba AL15SE	005053132, 005053133, 005053134, 005053135, 005053136, 005053137, 005053138, 005053139, 005053140, 005053141, 005053142, 005053143, 005053144, 005053145, 005053146, 005053147, 005053148, 005053149, 005053150, 005053151, 005053152, 005053153, 005053154, 005053155, 005053332, 005053333, 005053334, 005053335, 005053336, 005053337, 005054077, 005054078	0F0B
Seagate Skybolt	005053342, 005053343, 005053344, 005053345, 005053346, 005053347, 005053348, 005053349, 005053350, 005053351, 005053352, 005053353, 005053354, 005053355, 005053356, 005053357, 005053358, 005053359, 005053373, 005053374, 005053375, 005053376, 005053377, 005053378, 005053360, 005053361, 005053362, 005053363, 005053364, 005053365, 005054062, 005054063	SC0C