

Firmware 1.52A.26 Release Note

Updated: Jun. 26th, 2021

Note: Starting from 1.49C.14 Firmware for PSe/PSa/PSc/PS Gen.1/2 was merged, therefore release notes for FW ver.1.48 and older will not be included. They can be found via the links listed at the footnote.

Binary File Name	FA152A26_291_IPT_ESPS.BIN
MD5 Checksum	4937E56E02FA47E0230072AF58B26A40
Applicable Models	
PS 2000 Series	PS 2012, PS 2016, PS 2024
PS 3000 Series PS 3000 Gen.2 Series	PS 3012, PS 3016, PS 3024, PS 3025, PS 3060
PS 4000 Series PS 4000 Gen.2 Series	PS 4012, PS 4016, PS 4024, PS 4025, PS 4060
PS 2000 Series	PS 2012, PS 2016, PS 2024
PS 3000 Series PS 3000 Gen.2 Series	PS 3012, PS 3016, PS 3024, PS 3025, PS 3060

Compatible Software Versions:

EonOne: 2.5.u.35

EonView for Windows: 1.0.6-0322

EonView for MAC 1.0.6-0421

Important Note:

1. Non-PS 3000/4000 Gen.2 series do NOT support rolling upgrade from FW 1.48 and older. Please stop IO and shutdown controller before upgrading firmware to v.1.49C14.
2. Please make sure to use Central EonOne v.2.5.r.27 or older for this update, otherwise you might see "Failed to update firmware due to incompatibility with the system." message. Please shutdown the controller if it is not shutdown already and initiate the update again.
3. This firmware version does NOT support firmware downgrade to 1.49C or older unless all Logical Drives are deleted from the system.

Limitation:

1. The unit need to be inserted at least 4GB DIMM to enable Jumbo Frame function when using 12 channels.
2. Volume cannot be rolled back by snapshot when using cloud-connected folder.
3. When using VMWare mounting NFS as data store and create/migrate VMs into PS share folder, I/O may be freezed unexpectedly. If you encounter this, please temporary switch to use block level iSCSI.
4. Systems with Logical Volume larger than 1PB can't do rolling update to this release. Please the shutdown system first.

New features:

1. Supports SSD file cache.
2. Supports file-level SSD cache.
3. Added support for SSD lifespan optimization via overprovisioning, TRIM (unmap), and improved RAID 5/6 architecture for avoiding clustered SSD failures. It's automatically

used when a new All SSD Raid5/6 Logical Drive is created.

4. Supports setting PS NAS write policy on single controller models.
5. Supports NAS memory usage optimization via virtual memory. Please ensure that the Pool with file-level volume has more than 64GB of free space.
6. Supports 9K jumbo frames. (ID: 210003)
7. Supports vCenter Plug-ins for VMWare v6.7 and v7.0 (ID: 2000344)
8. Supports local/domain group quota for share folders. (ID: 2000363)
9. Supports changing owner on user home folders. (ID: 2000378)
10. Supports disabling HTTP port. (ID: 2000385)
11. Supports event log forwarding. (ID: 2000412)
12. Supports Asynchronous I/O mode on SMB. (ID: 2000480)
13. Supports setting NFS permissions for a range of IP's. (ID: 2000475)
14. Supports more SMB encryption options. (ID: 2100040)

Enhancements:

1. Enhances memory utilization for NAS. (ID: 2000145, 2000210, 2100012, 2000478, 2100056)
2. Enhances WORM with more retention options. (ID: 2000410)
3. Enhances initial setup wizard with stripe size selection. (ID: 2000443)
4. Enhances setting NFS permissions via wildcard characters. (ID: 2000475)
5. Enhances SSH security by disabling cipher CBC mode. (ID: 2100004)
6. Enhances EonView login time. (ID: 2100075)
7. Enhances error messages when configuring AD. (ID: 2000444)
8. Enhances EonView auto discovery time. (ID: 2000490)

Fixed Issues:

1. Fixes: Storage might become inaccessible if one of the data channels are plugged out. (ID: 2000200)
2. Fixes: SMB share might unmount on client machines if recycle bin is enabled. (ID: 2000284)
3. Fixes: Files from share folder may disappear and appear in recycle bin with size of 0B. (ID: 2000285)
4. Fixes: Controller might fail if FTP users are rapidly logging in and out. (ID: 2000312)
5. Fixes: Controller might fail after terminating iSCSI connection. (ID: 2000319)
6. Fixes: Logical volume with size bigger than 1PB will disappear in case of power outage. (ID: 2000350)
7. Fixes: Scheduled event time may change after a reboot or system time change. (ID: 2000352)
8. Fixes: Users may not be able to access file in their home folders after restoring PS to default. (ID: 2000358, 2000385)
9. Fixes: Management interface might stop responding if frequently switching on/off file-level protocols. (ID: 2000370, 2000437)

10. Fixes: Adding SSD drive to all SSD Logical Drive may get stuck. (ID: 2000447)
11. Fixes: PSc series may incorrectly show due date on pre-installed licenses. (ID: 2100011)
12. Fixes: Drive performance monitor might show incorrect data. (ID: 2100021)
13. Fixes: AD username will not be shown in the user list in case of unsupported distinguished name format. (ID: 2100024)
14. Fixes: Rsync task creation might fail with Synology if using Encryption (security shell) Security Level. (ID: 210026)
15. Fixes: Incorrect SSD cache resource allocation might cause redundant system unable to boot up with both controllers. (ID: 2100031)
16. Fixes: Might fail to synchronize domain users if one of the domain controllers has very high latency. (ID: 2100036)
17. Fixes: Veeam backup might get timeout because of CloudBerry software change. (ID: 2100041)
18. Fixes: May not be able to create file-level Cloud storage configuration after firmware update. (ID: 2100054)
19. Fixes: May lose access to GUI when creating Rsync schedule. (ID: 2100063)
20. Fixes: Snapshot creation time may not be shown correctly if DST is enabled. (ID: 2100068)
21. Fixes: A local user may fail to be created if data access log is enabled. (ID: 2100071)
22. Fixes: In some cases, with memory failures firmware reported incorrect slot. (ID: 2100077, 2100078)
23. Fixes: Data access log will be in 'escaped' format when using multiple language file paths. (ID: 2100081)
24. Fixes: EonOne and host OS may report different User/Free space. (ID: 2100085)
25. Fixes: Firmware might incorrectly report SNMP connection problem if DNS is not specified. (ID: 2100089)
26. Fixes: In some cases, AD administrator's password might be displayed in internal debug loPS. (ID: 2100099)
27. Fixes: Media scan will fail in PSe Pro series if using SATA drives bigger than 4TB. (ID: 2100109)
28. Fixes: Disabled network port 6101. (ID: 2100110)
29. Fixes: Some SATA SSD models may cause LD to fatal fail during creation. (ID: 2100130)
30. Fixes: Files that start with "\$" sign may not be deleted from the recycle bin. (ID: 2100150)
31. Fixes: May fail to change EonOne password if disabled access to the management port via data ports. (ID: 2100154)
32. Fixes: Controllers might fail after ending connection due to incorrect driver behavior. (ID: 2100155, 2100163)
33. Fixes: Snapshots may become unmounted when deleting by schedule. (ID: 1900260)
34. Fixes: In environments with huge number of users, some of them may not be able to access share folders due to internal resources becoming full. (ID: 2000194, 2000315, 2000457)

35. Fixes: EonOne might become inaccessible because of high memory used of DNS load balancing. (ID: 2000329, 2100070)
36. Fixes: Logical Volume larger than 1PB may disappear after rebooting the unit. (ID: 2000350)
37. Fixes: Controller might restart if setting permission with huge number of files. (ID: 2000367)
38. Fixes: May fail to join AD if routing is not configured. (ID: 2000396)
39. Fixes: Might be unable to access EonOne and IO into shared folder if enabled syslog. (ID: 2000400)
40. Fixes: One of the channels on iSCSI 10G host boards may not light up on DS boot up (ID: 2000487, 2100002)
41. Fixes: May not be able to add Tier-1 LD after creating Tier-0. (ID: 2000499)
42. Fixes: Due to SMB version change, domain groups may be treated as domain users. (ID: 2000504)
43. Fixes: NAS heartbeat driver might incorrectly cause failover. (ID: 2100006)
44. Fixes: NAS failover might cause EonOne to become inaccessible. (ID: 2100007)
45. Fixes: Incorrect sync-cache address calculation might cause intermittent system reboot. (ID: 2100016)
46. Fixes: When connecting to device via FTP protocol, might get "connection refused" error. (ID: 2100025)
47. Fixes: SMTP & SNMP might not be sent after controller failed because routing table as not been applied to the other controller. (ID: 2100037)
48. Fixes: Customize NTP settinPS may not be applied correctly. (ID: 2100066)
49. Fixes: Controller might fail due to the internal parameter processing error of the sync cache command. (ID: 2100067)
50. Fixes: Some files may disappear from GUI if data access log was enabled and later disabled. (ID: 2100126, 2100053)
51. Fixes: A memory leak in EonOne which might cause GUI/shared folders to become inaccessible. (ID: 2000324)
52. Fixes: ACL permission application error caused by temporary files created during file editing. (ID: 2100104)
53. Fixes: Might be unable to create a logical volume in a system with enabled LD auto tiering. (ID: 2100112)
54. Fixes: Controller failure caused by abnormal SMB memory usage. (ID: 2100112)
55. Fixes: Files may create 0KB copies on deletion caused by improper internal advanced ACL permission transfer mechanism. (ID: 2000494)
56. Fixes: Due to internal AD configuration mechanism changes, removed authentication setting requirement. (ID: 76801)

Known Issues:

None