

Disk Safe Express version 3.5 build 662 Release Notes

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New Features and Enhancements

Support for Microsoft® Vista

- The storage system now supports the following Microsoft Vista (32-bit) operating systems:
 - Home
 - Home Premium
 - Business
 - Ultimate

Increase in NAS storage capacity

- The storage system supports up to four 3.5" SATA-I hard disks, with an increase in capacity. This version increases the NAS capacity to more than two terabytes.

Flexible storage capacity

- The storage system supports expansion on a per folder basis. Shared folders can now be expanded on an individual folder basis.
- The "Home" (User Home Folder) is now an isolated NAS share. In previous versions the "homes" folder was one large NAS share, which included public and other share folders. The default size is 200MB and is expandable to two terabytes.

Shared folder capacity reallocation

- The storage system supports reuse of shared folder storage upon deletion of the shared folder. Storage capacity allocated for the deleted folder is released to a "free" pool and can be reallocated.

Additional Benefits

- **Built-in data protection** — In addition to a linear disk configuration in which all the disks are treated as independent entities, the storage system supports several different types of RAIDs (redundant arrays of independent disks). This means that you can take advantage of the built-in data protection and data duplication offered by advanced RAID levels. If your storage system has multiple hard disks and one fails, you won't lose important data.
- **Simple administration** — You can run the browser-based management interface from any computer in your network, and its informative wizards and configuration pages will help you accomplish your tasks quickly and easily.
- **Status at a glance** — The **Home** page of the management interface lets you quickly determine how much space is being used and who's currently connected.
- **Support for multiple platforms** — Whether the computers in your network run Windows, Mac OS X or other Mac operating systems, or Linux, you can set up file sharing for each of them.
- **Security** — Only authorized users can access the shared folders on your storage system. You can also control whether the user can only view the information in the shared folders or also add, modify, or delete files there.
- **Fast performance** — With its gigabit Ethernet support, the storage system provides fast access to the data you need, when you need it.
- **USB support** — Additional USB storage devices may be attached to the USB ports.
- **Client backup** — Provides reliable data protection and rapid data recovery in case of a system crash or hard drive failure.
- **Active Directory support** — Integrates with an Active Directory server and authenticates all Windows users who try to connect to shared folders.

Information and Restrictions

Active Directory Server

- Active Directory built-in group accounts that are part of the Active Directory server's "Built-in" groups cannot access assigned shared folders even they are imported into the IPStor Express Storage System and are granted the proper access rights.
- Active Directory authentication mode does not automatically include a guest account. If your storage system is configured to use Active Directory Authentication Mode without a guest account created in the Active Directory server, the Storage System Console may not be able to list shared folders. Windows will attempt to use the user's Windows login account, stored user accounts, and/or other known user accounts that have been used to log in to the IPStor Express Storage System. If successful, the Storage System Console will be able to see shared folders even if there is no guest account created in the Active Directory. If unsuccessful, you will need to have the Active Directory administrator create a guest account (with password of guest) on the Active Directory server in order for the Storage System Console to be able to list the shared folders.
- The Web User Interface (UI) displays all users/groups synchronized from the Active Directory server, regardless if the user account is hidden, disabled, built-in account, etc.
- The Web User Interface (UI) displays all users/groups synchronized from the Active Directory server, regardless if the user account is hidden, disabled, built-in account, etc.
- If the IPStor Express Storage System and Windows domain controller are both rebooted, and the IPStor Express Storage System is started before the domain controller comes up, you will need to shutdown and restart IPStor Express Storage System in order to map to NAS Windows shares.
- By design, the "homes" folder space will be deleted when changing to AD mode.
- Once the Organizational Unit (OU) selection is made when joining an Active Directory domain, it is not that easy to change. Therefore, it is recommended that you select the root of all the Organization Units when joining an Active Directory domain in order to maintain a list of every user in each OU. If you need to change the Organization Unit, you can switch to local mode and the rejoin the domain. However, once you rejoin the domain, the user rights to the shares will need to be set up again.
- "ftp" and "anonymous" are reserved for internal use. It is recommended that you do not create user accounts with these names in the Active Directory server.
- If your IPStor Express Storage System has joined an Active Directory domain and the account password used to synchronize has been changed in the Active Directory, attempts to synchronize will fail. Perform the following steps to update the password:
 - Login to the IPStor Express Storage System
 - Go to Users -> Active Directory Properties
 - Manually update the password for the synchronization account

Firmware Upgrades

- Systems running version 1.0 to version 1.3 will not be able to upgrade the firmware to version 1.4 using the Advanced->Firmware feature.

Miscellaneous



- The size of the root file system has been increased from 128MB to 256MB.
- The IPStor Express system supports SATA-1 drives. If you add an additional hard drive that is SATA-2, you must set a jumper on the back of the hard drive to address backward compatibility. Refer to the documentation that came with the hard drive for information on the specific jumper setting.
- Performance issues might occur for backup and/or restore jobs if the Web user interface for the storage system is accessed while backup and/or restore jobs are running.
- If the IPStor Express appliance and Windows domain controller are both rebooted, and the IPStor Express appliance is started before the domain controller comes up, you will need to shutdown and restart the IPStor Express appliance in order to map to NAS Windows shares.
- If you are using Mozilla FireFox v2.0.0.4, a non-existent user "XX" might display on the Group screen. Workaround: Use IE or a later version of FireFox.

Network Access Server (NAS)

- The system may take a long time to boot up if you have several NAS shares or large NAS shares (over 1 TB). Since every NAS disk file system must be checked and mounted, the larger the file system or the more the NAS disks, the longer the check time. The system status LED blinks green until the system boot up completes and then turns solid green indicating the system has successfully started.

Remote Boot

- If you plan to remotely boot from a backup on the storage system, it is recommended that you select the IP address of the first port. If the DHCP server option is enabled on your storage system, you can remotely boot only from the first port. If this option is disabled and you're using a separate DHCP server, you can remotely boot from either port.
- The remote boot feature is not available with Microsoft Vista (32-bit) operating systems.

DiskSafe Express

1. DiskSafe Express requires the Intelligent Management Agent (IMA), which is installed automatically. IMA requires that a C: partition exists on the machine where DiskSafe Express will be installed.
2. Currently, the IMA module of DiskSafe Express cannot display disks larger than 2199023255040 bytes (slightly less than 2 TB). Therefore, you cannot protect a disk or its partitions if the disk size is greater than this size.
3. If you upgrade to DiskSafe Express v1.1, you must repair the connection, using **Repair Connection**, from disks/partitions that were protected using DiskSafe Express v1.0.
4. If you create a partition without assigning a drive letter to it, the name of the partition will not display correctly when viewing the available disk list. For example, if the third partition on a disk (Disk 0, Partition 3) has the volume label "Production" but does not have a drive letter associated with it, the DiskSafe Express user interface will only display the partition's location on the disk (Disk 0, Partition 3).
5. SATA/PATA drivers provided by NVIDIA are not supported. If you are using ATA drivers provided by NVIDIA, it is recommended that you remove them and reinstall the MS native ATA driver to avoid disk recognition issues.