

DYNAMIC NAS

Storage Array	Storage Vendor	Supported Protocols
Unity 4.5, 5.0.x, 5.1.x, 5.2.x	Dell	Share options: CIFSv3, NFSv3, NFSv4.
PowerStore 1.0.0.0, 1.0.4.0, 2.0.0.0, 2.1.1.0, 3.0, 3.2, 3.5	Dell	Share options: CIFSv3, NFSv3, NFSv4.
PowerScale OneFS 9.0, 9.1, 9.2, 9.2.1, 9.3, 9.4.0.13, 9.5.0.5	Dell	Share options: CIFSv3, NFSv3, NFSv4.
Generic NAS protection workflow	*	Share options: CIFSv3, NFSv3, NFSv4.

Notes:

- The generic NAS protection workflow involves backing up a live mount of the target share, without taking a snapshot.
- The generic NAS protection workflow supports all NAS appliances and file servers.
- The release schedule of each storage array in this table may differ from that of PowerProtect Data Manager. Contact [Customer Support](#) before you deploy a storage array release that is not listed in this table.

FILE SYSTEMS

Operating System	Hardware Architecture	OS Vendor	Feature Options	Search and Indexing
Windows 2022	64-bit	Microsoft	Filesystem: NTFS, ReFS.	Filesystem: NTFS.
Windows 2012/2012R2	64-bit	Microsoft	Filesystem: NTFS, ReFS.	Filesystem: NTFS.
Windows 2016	64-bit	Microsoft	Filesystem: NTFS, ReFS.	Filesystem: NTFS.
Windows 2019	64-bit	Microsoft	Filesystem: NTFS, ReFS.	Filesystem: NTFS.
Windows 10	64-bit	Microsoft	Filesystem: NTFS.	Filesystem: NTFS.
Windows 11	64-bit	Microsoft	Filesystem: NTFS.	Filesystem: NTFS.
RHEL 7.0	X64	Red Hat	Filesystem: ext3, ext4, xfs, btrfs. Kernel version: 3.10.0-123.	Filesystem: ext3, ext4. Kernel version: 3.10.0-123.
RHEL 7.1	X64	Red Hat	Filesystem: ext3, ext4, xfs, btrfs. Kernel version: 3.10.0-229.	Filesystem: ext3, ext4. Kernel version: 3.10.0-229.
RHEL 7.2	X64	Red Hat	Filesystem: ext3, ext4, xfs, btrfs. Kernel version: 3.10.0-327.	Filesystem: ext3, ext4. Kernel version: 3.10.0-327.
RHEL 7.3	X64	Red Hat	Filesystem: ext3, ext4, xfs, btrfs. Kernel version: 3.10.0-514.	Filesystem: ext3, ext4. Kernel version: 3.10.0-514.
RHEL 7.4	X64	Red Hat	Filesystem: ext3, ext4, xfs. Kernel version: 3.10.0-693.	Filesystem: ext3, ext4. Kernel version: 3.10.0-693.
RHEL 7.5	X64	Red Hat	Filesystem: ext3, ext4, xfs. Kernel version: 3.10.0-862.	Filesystem: ext3, ext4. Kernel version: 3.10.0-862.
RHEL 7.6	X64	Red Hat	Filesystem: ext3, ext4, xfs. Kernel version: 3.10.0-957.	Filesystem: ext3, ext4. Kernel version: 3.10.0-957.
RHEL 7.7	X64	Red Hat	Filesystem: ext3, ext4, xfs. Kernel version: 3.10.0-1062.	Filesystem: ext3, ext4. Kernel version: 3.10.0-1062.
RHEL 7.8	X64	Red Hat	Filesystem: ext3, ext4, xfs. Kernel version: 3.10.0-1127.	Filesystem: ext3, ext4. Kernel version: 3.10.0-1127.
RHEL 7.9	X64	Red Hat	Filesystem: ext3, ext4, xfs. Kernel version: 3.10.0-1160.	Filesystem: ext3, ext4. Kernel version: 3.10.0-1160.
RHEL 8.0	X64	Red Hat	Filesystem: ext3, ext4, xfs. Kernel version: 4.18.0-80.	Filesystem: ext3, ext4. Kernel version: 4.18.0-80.
RHEL 8.1	X64	Red Hat	Filesystem: ext3, ext4, xfs. Kernel version: 4.18.0-147.	Filesystem: ext3, ext4. Kernel version: 4.18.0-147.
RHEL 8.2	X64	Red Hat	Filesystem: ext3, ext4, xfs. Kernel version: 4.18.0-193.	Filesystem: ext3, ext4. Kernel version: 4.18.0-193.
RHEL 8.3	X64	Red Hat	Filesystem: ext3, ext4, xfs. Kernel version: 4.18.0-240.	Filesystem: ext3, ext4. Kernel version: 4.18.0-240.

RHEL 8.4	X64	Red Hat	Filesystem: ext3, ext4, xfs. Kernel version: 4.18.0-305.	Filesystem: ext3, ext4. Kernel version: 4.18.0-305.
RHEL 8.5	X64	Red Hat	Filesystem: ext3, ext4, xfs. Kernel version: 4.18.0-348.	Filesystem: ext3, ext4. Kernel version: 4.18.0-348.
RHEL 8.6	X64	Red Hat	Filesystem: ext3, ext4, xfs. Kernel version: 4.18.0-372.	Filesystem: ext3, ext4. Kernel version: 4.18.0-372.
RHEL 8.7	X64	Red Hat	Filesystem: ext3, ext4, xfs. Kernel version: 4.18.0-425.	Filesystem: ext3, ext4. Kernel version: 4.18.0-425.
RHEL 8.8	X64	Red Hat	Filesystem: ext3, ext4, xfs. Kernel version: 4.18.0-477.10.1.el8_8.	Filesystem: ext3, ext4. Kernel version: 4.18.0-477.10.1.el8_8.
RHEL 9.0	X64	Red Hat	Filesystem: ext3, ext4, xfs. Kernel version: 5.14.0-70.	Filesystem: ext3, ext4. Kernel version: 5.14.0-70.
RHEL 9.1	X64	Red Hat	Filesystem: ext3, ext4, xfs. Kernel version: 5.14.0-162.6.1.el9_1.	Filesystem: ext3, ext4. Kernel version: 5.14.0-162.6.1.el9_1.
RHEL 9.2	X64	Red Hat	Filesystem: ext3, ext4, xfs. Kernel version: 5.14.0-284.11.1.el9_2.	Filesystem: ext3, ext4. Kernel version: 5.14.0-284.11.1.el9_2.
RockyLinux 8.8	X64	Red Hat	Filesystem: ext3, ext4, xfs. Kernel version: NA.	Filesystem: ext3, ext4. Kernel version: NA.
RockyLinux 9.0	X64	Red Hat	Filesystem: ext3, ext4, xfs. Kernel version: NA.	Filesystem: ext3, ext4. Kernel version: NA.
SLES 12 SP3	X64	SUSE	Filesystem: ext3, ext4, xfs, btrfs. Kernel version: 4.4.73-5.	Filesystem: ext3, ext4. Kernel version: 4.4.73-5.
SLES 12 SP4	X64	SUSE	Filesystem: ext3, ext4, xfs, btrfs. Kernel version: 4.12.14-94.41.	Filesystem: ext3, ext4. Kernel version: 4.12.14-94.41.
SLES 12 SP5	X64	SUSE	Filesystem: ext3, ext4, xfs, btrfs. Kernel version: 4.12.14-120.	Filesystem: ext3, ext4. Kernel version: 4.12.14-120.
SLES 15 SP1	X64	SUSE	Filesystem: ext3, ext4, xfs, btrfs. Kernel version: 4.12.14-195.	Filesystem: ext3, ext4. Kernel version: 4.12.14-195.
SLES 15 SP2	X64	SUSE	Filesystem: ext3, ext4, xfs, btrfs. Kernel version: 5.3.18-22.	Filesystem: ext3, ext4. Kernel version: 5.3.18-22.
SLES 15 SP3	X64	SUSE	Filesystem: ext3, ext4, xfs, btrfs. Kernel version: 5.3.18-57.	Filesystem: ext3, ext4. Kernel version: 5.3.18-57.
SLES 15 SP4	X64	SUSE	Filesystem: ext3, ext4, xfs, btrfs. Kernel version: 5.14.21-150400.	Filesystem: ext3, ext4. Kernel version: 5.14.21-150400.
CentOS 7.0	X64	CentOS	Filesystem: ext3, ext4, xfs, btrfs. Kernel version: 3.10.0-123.	Filesystem: ext3, ext4. Kernel version: 3.10.0-123.
CentOS 7.1	X64	CentOS	Filesystem: ext3, ext4, xfs, btrfs. Kernel version: 3.10.0-229.	Filesystem: ext3, ext4. Kernel version: 3.10.0-229.
CentOS 7.2	X64	CentOS	Filesystem: ext3, ext4, xfs, btrfs. Kernel version: 3.10.0-327.	Filesystem: ext3, ext4. Kernel version: 3.10.0-327.
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CentOS 7.4	X64	CentOS	Filesystem: ext3, ext4, xfs, btrfs. Kernel version: 3.10.0-693.	Filesystem: ext3, ext4. Kernel version: 3.10.0-693.
CentOS 7.5	X64	CentOS	Filesystem: ext3, ext4, xfs, btrfs. Kernel version: 3.10.0-862.	Filesystem: ext3, ext4. Kernel version: 3.10.0-862.
CentOS 7.6	X64	CentOS	Filesystem: ext3, ext4, xfs, btrfs. Kernel version: 3.10.0-957.	Filesystem: ext3, ext4. Kernel version: 3.10.0-957.
CentOS 7.7	X64	CentOS	Filesystem: ext3, ext4, xfs, btrfs. Kernel version: 3.10.0-1062.	Filesystem: ext3, ext4. Kernel version: 3.10.0-1062.
CentOS 7.8	X64	CentOS	Filesystem: ext3, ext4, xfs, btrfs. Kernel version: 3.10.0-1127.	Filesystem: ext3, ext4. Kernel version: 3.10.0-1127.
CentOS 7.9	X64	CentOS	Filesystem: ext3, ext4, xfs, btrfs. Kernel version: 3.10.0-1160.	Filesystem: ext3, ext4. Kernel version: 3.10.0-1160.
CentOS 8.0	X64	CentOS	Filesystem: ext3, ext4, xfs. Kernel version: 4.18.0-80.	Filesystem: ext3, ext4. Kernel version: 4.18.0-80.

CentOS 8.1	X64	CentOS	Filesystem: ext3, ext4, xfs. Kernel version: 4.18.0-147.	Filesystem: ext3, ext4. Kernel version: 4.18.0-147.
CentOS 8.2	X64	CentOS	Filesystem: ext3, ext4, xfs. Kernel version: 4.18.0-193.	Filesystem: ext3, ext4. Kernel version: 4.18.0-193.
CentOS 8.3	X64	CentOS	Filesystem: ext3, ext4, xfs. Kernel version: 4.18.0-240.	Filesystem: ext3, ext4. Kernel version: 4.18.0-240.
Ubuntu 16.04	X64	Canonical	Filesystem: ext3, ext4, xfs, btrfs. Kernel version: 4.4.0-21.	Filesystem: ext3, ext4. Kernel version: 4.4.0-21.
Ubuntu 18.04	X64	Canonical	Filesystem: ext3, ext4, xfs, btrfs. Kernel version: 4.15.0-29.	Filesystem: ext3, ext4. Kernel version: 4.15.0-29.
Ubuntu 20.04.1 LTS	X64	Canonical	Filesystem: ext3, ext4, xfs. Kernel version: 5.8.0-59-generic.	Filesystem: ext3, ext4. Kernel version: 5.8.0-59-generic.
Ubuntu 22.04	X64	Canonical	Filesystem: ext3, ext4, xfs. Kernel version: 5.15.0-25-generic.	Filesystem: ext3, ext4. Kernel version: 5.15.0-25-generic.
Oracle Linux 7.x UEK	X64	Oracle	Filesystem: ext3, ext4, xfs. Kernel version: NA.	Filesystem: ext3, ext4. Kernel version: NA.
Oracle Linux 8.x UEK	X64	Oracle	Filesystem: ext3, ext4, xfs. Kernel version: NA.	Filesystem: ext3, ext4. Kernel version: NA.
Oracle Linux 9.x UEK	X64	Oracle	Filesystem: ext3, ext4, xfs. Kernel version: NA.	Filesystem: ext3, ext4. Kernel version: NA.
AIX 7.1 TL5 SP2	X64	IBM	Filesystem: JFS, JFS2. Kernel version: NA.	Not supported.
AIX 7.2 TL2 SP1	X64	IBM	Filesystem: JFS, JFS2. Kernel version: NA.	Not supported.
AIX 7.2 TL3	X64	IBM	Filesystem: JFS, JFS2. Kernel version: NA.	Not supported.
AIX 7.2 TL4	X64	IBM	Filesystem: JFS, JFS2. Kernel version: NA.	Not supported.
AIX 7.2 TL5	X64	IBM	Filesystem: JFS, JFS2. Kernel version: NA.	Not supported.
AIX 7.3 TL0	X64	IBM	Filesystem: JFS, JFS2. Kernel version: NA.	Not supported.
AIX 7.3 TL1	X64	IBM	Filesystem: JFS, JFS2. Kernel version: NA.	Not supported.

Notes:

- The File System agent supports Microsoft failover clustering for both CSV and cluster volumes configurations.
- Kernel versions are applicable for BBB (block-based backups), that is, for image-level backups ONLY. The File System agent uses BBB technology if there are no exclusion filters associated with a policy. Only LVM-based volumes are supported for protection. Backups of non-LVM/physical disks are not supported with BBB.
- If a protection policy is associated with one or more exclusion filters, the file system agent performs backups using FBB (file-based backup) technology. Backups using FBB are independent of the kernel version.
- Backups in the following scenarios are always taken using FBB regardless of whether the policy is associated with exclusion filters or not, as BBB does not support these use cases:
 - Backups on Oracle Linux 7.x UEK platform (use `--skip-driver` during agent installation to skip the BBB driver)
 - Backups on Ubuntu 20.04.1 LTS
 - Backups of non-LVM/physical disks
 - Backups of btrfs volumes
- The File System agent on AIX supports only FBB. BBB is not supported.
- The File System agent on AIX requires the `xlc` runtime environment 16.1.0.7 or later.
- The *PowerProtect Data Manager for File System Agent User Guide* provides installation steps and configuration information for AIX.
- The File System agent supports disaster recovery backups, which consist of bare metal recovery (BMR) backup and system state recovery (SSR) backup, for Windows only.
- The File System agent supports Microsoft Distributed File System (DFS).
- The File System agent supports ZFS and only supports FBB. BBB is not supported.
- The File System agent supports Active Directory Granular-Level Restore from BMR/SSR backups for Windows Server 2016, 2019, and 2022 only.