

# RAINcloud OS™ Features At-a-Glance

Feature/Function	RAINcloud OS 4.0
<b>Operating System Basis</b>	Derived from Linux
<b>File System Type</b>	Distributed file system with distributed metadata
<b>Max File Size</b>	Variable
<b>Data Redundancy Levels Supported</b>	2-way or 3-way inter-node data redundancy
<b>Network File Protocols</b>	Microsoft Networks SMB (1.0/2.0/2.1) / CIFS (NTLM) NFS v3 (UDP/TCP) CIFS via Mac OS X HTTP/HTTPS FTP/FTPS
<b>Network Transport Protocols</b>	TCP/IP; UDP/IP
<b>Network Client Types</b>	Microsoft Windows 2000 and later Mac OS X 10.5/10.6/10.7/10.8 (via CIFS/SMB) UNIX/Linux
<b>Microsoft Active Directory Support</b>	Yes Operates in both native and mixed domains.
<b>Management Interface</b>	Web-based Graphical User Interface (GUI)
<b>UPS Support</b>	APC brand UPS: With network management card or USB connection
<b>Backup Agent Support</b>	Symantec NetBackup 7.5 Symantec Backup Exec 2012
<b>Support for Network Backup</b>	Yes, with compatible backup agent
<b>Support for local Tape Backup</b>	Yes- SAS or USB connected tape libraries or autoloaders
<b>NDMP Support</b>	No
<b>Snapshot Capability</b>	Yes
<b>Anti-Virus Support</b>	No
<b>Replication Support</b>	Yes (SnapEDR)
<b>Volume-Based Quotas</b>	Yes
<b>Unix NIS Security</b>	User/Group List Download only
<b>Windows Security</b>	Microsoft Active Directory Service (ADS) (member server)
<b>Share/ File-Level Security</b>	Share access control lists (ShACLs); share export options for NFS; Unix/POSIX file permissions; NTFS-style file system ACLs.
<b>File/Directory Ownership</b>	User, Group, Other for Unix/POSIX permissions; user/group (SID) for NTFS permissions
<b>Windows/CIFS Permission ACE Support</b>	All standard NTFS file security bits.
<b>Maximum Number of ACE Entries per ACL, File, Subdirectory</b>	1000 per sub directory or file

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<b>Inheritance Levels Supported</b>	All standard NTFS file security inheritance levels
<b>RAID Type</b>	RAIN - 2-way or 3-way data redundancy
<b>Maximum number of Volumes</b>	256
<b>Maximum number of SnapShots</b>	256
<b>Thin Provisioning</b>	Yes
<b>Maximum Volume Size</b>	Limited to total system capacity
<b>Maximum number of iSCSI LUNS</b>	256 per node
<b>Maximum iSCSI Disk Size</b>	Limited to total system capacity
<b>Maximum Number of Shares</b>	500
<b>Maximum Share Name Size</b>	27 Characters
<b>Maximum Local Users</b>	2,000
<b>Maximum Microsoft Windows Domain Users</b>	600,000 can use the system
<b>Maximum NIS Users</b>	Determined by external system

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SSX2-DS0313-14