

FreeNAS® Mini 3.0 Family Statement of Volatility

Version 1.0



Statement of Volatility

FreeNAS Mini 3.0 Generation (E, E+, XL+)

The iXsystems FreeNAS Mini(Gen 3.0) contains both volatile and non-volatile (NV) components. Volatile components lose stored data after power is removed. NV components retain data even after power is removed. NV components may or may not contain user data. For example, firmware (FW) contains non-user data. This document provides information regarding the NV components used in FreeNAS Mini Products that store user data. Components that do not store user data on volatile or NV memory are not discussed.

For questions or further information about this announcement, please contact iXsystems at product@ixsystems.com. For more information about iXsystems storage products, visit our website at <http://www.ixsystems.com/storage> or email sales@ixsystems.com.

NV Component	Purpose	Size	How the Data in the Component is Cleared
BIOS Password	Password to change BIOS settings	64Mb	With the system off, remove the coin cell battery. Attempt to turn the system on. Confirm BIOS has been reset. Move the jumper back to the default value of 1-2.
BMC	Server Management; network information.	128Mb	Reflash BMC Firmware
SATA Boot Device	OS Boot Device. User/system logs and configuration information	16GB	There is one 16GB SATA Boot Device. To clear the SATA Boot Device, do a fresh OS install.
SLOG	Write Cache Extension	None	A FreeNAS storage appliance may utilize multiple SLOG devices. On standard configurations the SLOG is a SAS SSD. The process for clearing SLOG devices is the same as clearing any data disk devices. - From the web GUI, go to Storage -> View Disks. - Select the disk or disks used for the SLOG. Click on the WIPE button at the bottom. - Select a Wipe method and confirm the action.
L2ARC	Read Cache Extension	None	A FreeNAS storage appliance can utilize multiple L2ARC devices. Not all appliances are configured with L2ARC devices. A single reboot is typically sufficient to render the information on L2ARC devices from being usable. There are three steps to ensure the secure removal of user data: - From the web GUI, go to Storage -> View Disks. - Select the disk or disks used for the L2ARC. Click on the WIPE button at the bottom. - Select a Wipe method and confirm the action.
Primary Storage	Primary Storage	Up to 10TB per disk	A FreeNAS storage appliance can utilize multiple devices for Primary Storage. The primary storage can consist of spinning disks or flash drives. There are three steps to ensure the secure removal of user data: - From the web GUI, go to Storage -> View Disks. - Select the disk or disks used for Primary Storage. - Click on the WIPE button at the bottom. - Select a Wipe method and confirm the action.