DC3000ME Firmware Update User Guide

This guide will walk you through updating the firmware on your Kingston DC3000ME SSD

Contents

Firmware Update Procedure for Linux

Warning

Please make sure to have a full backup of any important data before you proceed!

Prerequisites

- You must have root privileges.
- You must have the nvme-cli tool installed.
- You must have the firmware binary provided by Kingston.

Firmware update

1. Open a terminal emulator.
2. List the NVMe devices and note the device names (/dev/nvmeX):

   ```
   # nvme list
   ```

3. Issue the firmware download command to the device:

   ```
   # nvme fw-download /dev/nvmeX -f 700KS570.bin
   ```

4. Issue the firmware commit command to the device:

   ```
   # nvme fw-commit /dev/nvmeX -a 3 -s 2
   ```

5. A full system shutdown and power on is recommended after the firmware update.

Firmware Update Procedure for Windows

Warning

Please make sure to have a full backup of any important data before you proceed!

Prerequisites

- You must have Administrator privileges.
- You must have a currently supported Windows version.
- You must have the firmware binary provided by Kingston.

Firmware update

1. Open a PowerShell window as Administrator.
2. Issue the firmware update command to all DC3000ME drives:

   ```
   PS > Get-PhysicalDisk -FriendlyName "KINGSTON SEDC3000ME*" | Update-StorageFirmware
   -ImagePath "C:\700KS570.bin" -SlotNumber 2
   ```

3. A full system shutdown and power on is recommended after the firmware update.

Firmware Update Procedure for Broadcom RAID in Linux

Warning

Please make sure to have a full backup of any important data before you proceed!

Prerequisites

- You must have root privileges.
- You must have the Broadcom storcli2 tool installed.
- You must have the firmware binary provided by Kingston.

Firmware update

1. Open a terminal emulator.
2. Get the enclosure and slot numbers for controller X:

   ```
   # storcli2 /cX show all
   ```

3. Issue the firmware download command to controller X, enclosure Y, and slot Z:

   ```
   # storcli2 /cX/eY/sZ download file=700KS570.bin mode=E activatenow
   ```

4. A full system shutdown and power on is recommended after the firmware update.

Firmware Update Procedure for Broadcom RAID in Windows

Warning

Please make sure to have a full backup of any important data before you proceed!

Prerequisites

- You must have Administrator privileges.
- You must have the Broadcom storcli2 tool installed.
- You must have the firmware binary provided by Kingston.

Firmware update

1. Open a PowerShell window as Administrator.
2. Get the enclosure and slot numbers for controller X:

   ```
   PS > StorCLI2.exe /cX show all
   ```

3. Issue the firmware download command to controller X, enclosure Y, and slot Z:

   ```
   PS > StorCLI2.exe /cX/eY/sZ download file=700KS570.bin mode=E activatenow
   ```

4. A full system shutdown and power on is recommended after the firmware update.

Firmware Update Procedure for ESXi

Warning

Please make sure to have a full backup of any important data before you proceed!

Prerequisites

- You must have SSH access to the ESXi host.
- You must have root privileges on the ESXI host.
- You must have the firmware binary provided by Kingston.

Firmware update

1. SSH into the ESXi host and copy the firmware binary.
2. List the NVMe adapters and note the adapter names (vmhbaX):

   ```
   # esxcli nvme adapter list
   ```

3. Issue the firmware download command (use the full path to the firmware binary):

   ```
   # esxcli nvme device firmware download -A vmhbaX -f /700KS570/700KS570.bin
   ```

4. Issue the firmware activate command:

   ```
   # esxcli nvme device firmware activate -A vmhbaX -a 3 -s 2
   ```

5. A full system shutdown and power on is recommended after the firmware update.