DCP1000 Firmware Update Procedure for Linux

Preparation

- As a precaution perform a backup of all your data to ensure no data is lost during the firmware update process
- Do not remove power to the system at any time during the firmware update process

Instructions

1. Download the firmware binary:
   http://www.kingston.com/us/support/technical/products?model=dcp1000

2. Install nvme-cli:
   https://github.com/linux-nvme/nvme-cli

3. List all NVMe devices:
   ```
   # nvme list
   ```

4. Locate the DCP1000 device names
   Note: Each DCP1000 will show up as four separate devices

5. Download the firmware image to the DCP1000:
   ```
   # nvme fw-download /dev/nvmeX --fw=/path/to/firmware_file.bin
   ```
   Note: Replace /dev/nvmeX with the proper device name
   Note: Repeat this step for all DCP1000 devices

6. Verify and commit the firmware image:
   ```
   # nvme fw-activate /dev/nvmeX --slot=1 --action=1
   ```
   Note: Replace /dev/nvmeX with the proper device name
   Note: Repeat this step for all DCP1000 devices

7. A full system power down and restart is required to activate the new firmware