7450 Firmware Update Instructions

Firmware: E2MU300 – August 2025

Scope

This document describes how to upgrade the firmware on a Micron 7450 Gen4 NVMe SSD using either nvme-cli or msecli. For further assistance with this process please contact your local Micron representative.

Upgrade using nvme-cli (commands verified on version 1.8.1)

1. Download and install latest version of nvme-cli from github.com:
    a. https://github.com/linux-nvme/nvme-cli/releases
2. Obtain the required firmware from your Micron contact:
    a. Firmware name: Micron_7450_E2MU300_release.ubi
3. List the SSDs in the system:
    a. nvme list

    Note: The target name (nvmeX) for the SSD

4. To download the firmware, use the following nvme-cli commands:
    a. nvme fw-download /dev/nvmeX -f Micron_7450_E2MU300_release.ubi

    Note: The same firmware file is used for all form factors and densities

5. To commit the firmware, use the following nvme-cli command:
    a. nvme fw-commit /dev/nvmeX -s 2 -a 3
6. **Power cycle of the host is <u>recommended</u> but not required**
7. Confirm the firmware has been successfully updated to version E2MU300
    a. nvme list

Upgrade using msecli (commands verified on version 10.07.072024.00)

1. Download and install latest version of msecli from your Micron contact
2. Obtain the required firmware from your Micron contact:
    a. Firmware name: Micron_7450_E2MU300_release.ubi
3. List the SSDs in the system:
    a. msecli -L

Note: The target name (nvmeX) for the SSD

4. To download the firmware, use the following msecli command:

    a. msecli -F -U Micron_7450_E2MU300_release.ubi -S 2 -n /dev/nvmeX

    Note: The same firmware file is used for all form factors and densities

5. **Power cycle of the host is <u>recommended</u> but not required**

6. Confirm the firmware has been successfully updated to version E2MU300

    a. msecli -L

Ping-Pong Testing

Use E2MU200 firmware for testing firmware upgrade/downgrade.

When testing firmware upgrade/downgrade between these versions, AWOR (Commit Action 3) can be utilized, and no power cycle is required.

Firmware upgrade and downgrade compatibility table:

From		To	Notes
E2MU200	<->	E2MU300	Recommended for Ping-Pong testing AWOR (Commit Action 3) - Supported