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# **USB Forensics: Finding Last Connected USB Device**

#### Aim:

To identify the last connected USB devices on a system using **USBDeview** forensic tool.

#### **Introduction:**

USB forensics is important for tracking the use of **removable storage devices** (such as pen drives, hard disks, or input devices) which may contain or transfer sensitive information. Windows maintains registry entries whenever a USB device is connected. Tools like **USBDeview** parse and present this information in a readable format, helping investigators determine:

- Which devices were connected
- Connection timestamps
- Device types and serial numbers

This evidence helps in insider threat investigations, data theft cases, and chain-of-custody tracking.

## **Procedure:**

### 1. Download & Launch USBDeview

- o Download the USBDeview portable tool from Nirsoft official site.
- o Extract and run USBDeview.exe as **Administrator**.
- 2. **View Device List** o The main interface lists all USB devices ever connected to the system.
  - o Columns include:
    - Device Name / Description

- Device Type
   Connected Status
   Serial Number
   Registry Time 1 (first installation date)
- Registry Time 2 (last plug/unplug date)
- 3. Identify Last Connected Device o Sort results by Registry

Time 2 (last plug/unplug time). 

Note the most recent

USB device entry.

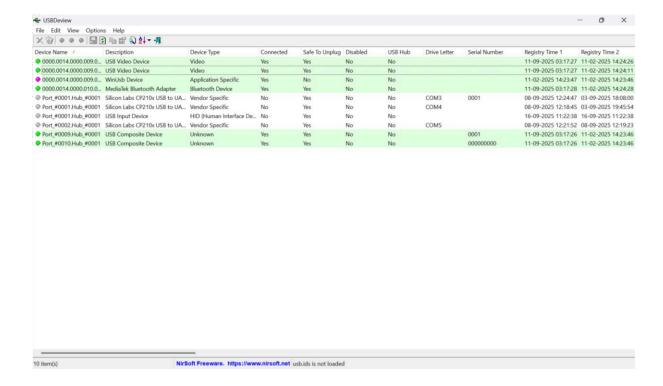
- o Collect information such as Device Type, Drive Letter, Serial Number.
- 4. **Preserve Evidence** o Take screenshots of the results.
  - Export results to CSV/HTML/TXT format using the "Save Selected Items" option.
  - o Record hashes of exported reports to maintain evidence integrity.

# **Output (Observation):**

From the screenshot provided:

- **Total Devices Detected**: 10 USB devices (Video devices, Bluetooth adapter, Silicon Labs CP210x USB-to-UART, Input devices, Composite devices).
- Last Connected Device (Registry Time 2):
  - USB Video Device connected at 11-09-2025 14:24:26 o
     USB Composite Device connected at 11-09-2025
     14:24:36
- Details Captured:
  - o Device Type: Video / Composite o Drive Letters: COM3, COM4, COM5 (for UART devices) o Serial Numbers: (0001, 00000000 etc.) o Connection status: "Yes" (currently connected)

This proves the tool successfully recorded both active and historical USB device usage.



#### **Result:**

Using **USBDeview**, we successfully identified the **last connected USB devices** on the system, along with details such as **type**, **serial number**, **connection time**, **and status**. This information can be preserved as part of a forensic case report to establish timelines of external device usage.