Update: ET76U15-060/ ET76UA15-060

Abstract: This update will have the USB monitoring feature which will allow users to disable all devices except Human Interface Devices.

Who should read this document?

Customers who use v 7.6.

NOTE: Process to be followed after applying the Update.

USB and other devices:

- Go to EventTracker Control Panel.
- Double Click the EventTracker Agent Configuration.
- Select the System Monitor tab.

Figure 1
In the **USB and other devices** section,

- **Report insert/remove**

Enable this option to get the device detected and device removal of Event ids 3228 and 3229 for USB/Pen drive/External CDs, DVDs.

**NOTE:** It will not report device detected and removal for mobile devices/External hard disk/Keyboard/Mouse.

- **Record Activity**

Enabling this option will record add/modify/delete activity from hard disk to external devices. Event id 3240 will be generated. Supported Devices: Pen Drives and CDs, DVDs.

**NOTE:** It will not record activity for External CDs, DVDs, and mobile devices.
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- **Disable USB Devices**

There are sub-options under this option, namely,

a) Mass Storage Devices
b) All Devices
c) All devices (Except Human Interface devices Class)

![Figure 4](image)

a) **Mass Storage Devices**

It will disable Pen Drive/External CDs, DVDs/Hard disks and Mobile devices (having Flash Drives and which does not have SD cards), connected as USB storage. For example: Non-Android Mobiles such as sm-b310e and Android mobiles of earlier versions such as 2.0 series.

b) **All Devices**

It will disable Pen drive/External CDs, DVDs/Mouse/USB Head Phones/ USB External CDs, DVDs except Keyboard.

c) **All Devices (Except Human Interface Devices Class)**

All devices such as Pen drive/External CDs, DVDs/Mouse/USB Head Phones/ USB External CDs, DVDs will be displayed except Human Interface Devices (HIDs) which includes Keyboard, Mouse, Joystick and Numeric Keypad.

- **USB Exception list...**

To configure USB exception list, click the **USB Exception List** button.
EventTracker displays the USB Exception List pop-up window.

The USB Exception list is parted into two sections:

1. **USB Volume serial Number** section

   It will work for the devices which have volume level such as the Pen Drive.

   - Type the USB serial number in decimal format or hexadecimal format in the **Enter USB Serial Number** field, and then select the **Format** option accordingly.

   OR

   - Type USB device ID in the **Enter USB Device ID** field.
• Click the Add button.

EventTracker adds the newly entered Volume serial number in the exception list.

To find **USB volume serial number**,

1. Verify if the USB device is inserted properly on the system.
2. Open **My Computer** and note the drive letter for the USB device.
3. Open the command prompt and change to the USB drive by typing `<drive letter>`.
4. Type `dir` to see the directory listing.

![Figure 6: Find the USB serial number in command prompt](image)

5. Note down the volume serial number shown in ‘Hexadecimal’ format.
6. In the **USB Exception list** window, enter this serial number in **Enter USB Volume Serial number** text box.
7. Click the Hex option.
8. Click the Add button to add the serial number.

The output will be seen as below.
NOTE:

- In the command prompt, the volume serial number will always be in ‘Hexadecimal’ format. You can convert it into ‘Decimal’ format, if required.

- It works only for Pen drive and no other Mass storage devices.

2. **Device Identifiers** (Device id/ Hardware id/ Class GUID)

   The USB devices with the Device Identifies- Device id/Hardware id/ Class GUID will not be disabled, when inserted.

   a) **Device id**: It differs for all devices.
For adding Device id to exception list:

- Right click on computer, select **Manage**.

  ![Figure 8](image)

- Select **Device Manager**.

**NOTE:** Based on the device, select from the listed options.

For Example:

1. The Latest Android mobiles when inserted will display as ‘Portable devices’. The screen is displayed below:

![Figure 9](image)
2. The Android mobiles of earlier versions such as 2.0 (having Flash devices), when inserted will display within **USB Mass Storage Device**. Here we have shown example for USB Mass storage Device.

![Figure 10](image1.png)

- Right click on **USB Mass Storage device**. Select **Properties**.

![Figure 11](image2.png)

The USB Mass Storage Device Properties display.

- Select the **Detail** tab.
- In **Property** option, select **Device Instance path** from the dropdown list.
Copy the Value: highlighted in the figure above and paste it in the Device Identifiers field as displayed in the figure below:
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- Click the Add button.

It gets added and is displayed.

![USB Exception List](image)

**b) Hardware id:** Remains same for a particular device of same class type but different for other class type. (e.g. Hardware id of all HP optical mouse will be same, but hardware id of Lenovo, dell or HP will differ from each other)

For adding Hardware id to exception list,

- Select **Hardware id** from the dropdown list in the **Property** option.
• Copy the value and paste it in the **Device identifiers** field.
• Click the **Add** button.

It gets added and displayed.
c) **Class GUID**: Remains same for a device class. (e.g., class GUID of optical mouse will be same for all types of mice whether it is Lenovo, Dell or HP).

Below displayed, is a table with the devices and their respective values.

<table>
<thead>
<tr>
<th>Devices</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery</td>
<td>{72631e54-78a4-11d0-bcf7-00aa00b7b32a}</td>
</tr>
<tr>
<td>Biometric</td>
<td>{53D29EF7-377C-4D14-8648-EB3A85769359}</td>
</tr>
<tr>
<td>Bluetooth</td>
<td>{e0cbf06c-cdb8-4647-bb8a-263b43f0f974}</td>
</tr>
<tr>
<td>CDROM</td>
<td>{4d36e965-e325-11ce-bf1c-08002be10318}</td>
</tr>
<tr>
<td>DiskDrive</td>
<td>{4d36e967-e325-11ce-bf1c-08002be10318}</td>
</tr>
<tr>
<td>Display</td>
<td>{4d36e968-e325-11ce-bf1c-08002be10318}</td>
</tr>
</tbody>
</table>
### How to – Monitor USB Devices

<table>
<thead>
<tr>
<th>Devices</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>FDC</td>
<td>{4d36e969-e325-11ce-bfc1-08002be10318}</td>
</tr>
<tr>
<td>FloppyDisk</td>
<td>{4d36e980-e325-11ce-bfc1-08002be10318}</td>
</tr>
<tr>
<td>HDC</td>
<td>{4d36e96a-e325-11ce-bfc1-08002be10318}</td>
</tr>
<tr>
<td>HIDClass</td>
<td>{745a17a0-74d3-11d0-b6fe-00a0c90f57da}</td>
</tr>
<tr>
<td>Dot4</td>
<td>{4d8721b56-6795-11d2-b1a8-0080c72e74a2}</td>
</tr>
<tr>
<td>Dot4Print</td>
<td>{49ce66ac8-6f86-11d2-b1e5-0080c72e74a2}</td>
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<td>61883</td>
<td>{7ebeefbc0-3200-11d2-b4c2-00a0c9697d07}</td>
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<td>AVC</td>
<td>{c06ff265-ae09-48f0-812c-16753d7c8a83}</td>
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<td>SBP2</td>
<td>{d48179be-ec20-11d1-b6b8-00c04fa372a7}</td>
</tr>
<tr>
<td>1394</td>
<td>{6bad1fc1-810f-11d0-bec7-08002be2092f}</td>
</tr>
<tr>
<td>Image</td>
<td>{6bad1fc6-810f-11d0-bec7-08002be2092f}</td>
</tr>
<tr>
<td>Infrared</td>
<td>{6bad1fc5-810f-11d0-bec7-08002be2092f}</td>
</tr>
<tr>
<td>Keyboard</td>
<td>{4d36e96b-e325-11ce-bfc1-08002be10318}</td>
</tr>
<tr>
<td>MediumChanger</td>
<td>{ce5939ae-ebde-11d0-b181-0000f8735ec4}</td>
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<td>MTD</td>
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<tr>
<td>Modem</td>
<td>{4d36e96e-e325-11ce-bfc1-08002be10318}</td>
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<td>Monitor</td>
<td>{4d36e96f-e325-11ce-bfc1-08002be10318}</td>
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<tr>
<td>Mouse</td>
<td>{4d36e971-e325-11ce-bfc1-08002be10318}</td>
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<td>MultiFunction</td>
<td>{4d36e96c-e325-11ce-bfc1-08002be10318}</td>
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<tr>
<td>Media</td>
<td>{4d36e96e-e325-11ce-bfc1-08002be10318}</td>
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<td>MultiportSerial</td>
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<td>Net</td>
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<td>NetClient</td>
<td>{4d36e973-e325-11ce-bfc1-08002be10318}</td>
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<tr>
<td>NetService</td>
<td>{4d36e974-e325-11ce-bfc1-08002be10318}</td>
</tr>
<tr>
<td>NetTrans</td>
<td>{4d36e975-e325-11ce-bfc1-08002be10318}</td>
</tr>
<tr>
<td>SecurityAccelerator</td>
<td>{268c95a1-edfe-11d3-95c3-0010dc4050a5}</td>
</tr>
<tr>
<td>PCMCIA</td>
<td>{4d36e977-e325-11ce-bfc1-08002be10318}</td>
</tr>
<tr>
<td>Ports</td>
<td>{4d36e978-e325-11ce-bfc1-08002be10318}</td>
</tr>
<tr>
<td>Printer</td>
<td>{4d36e979-e325-11ce-bfc1-08002be10318}</td>
</tr>
<tr>
<td>Processor</td>
<td>{50127dc3-0f36-415e-a6cc-4cb3be910b65}</td>
</tr>
<tr>
<td>SCSIAdapter</td>
<td>{4d36e97b-e325-11ce-bfc1-08002be10318}</td>
</tr>
<tr>
<td>Sensor</td>
<td>{5175d334-c371-4806-b3ba-71fd53c9258d}</td>
</tr>
<tr>
<td>SmartCardReader</td>
<td>{50dd5230-ba8-11d1-bf5d-0000f805f530}</td>
</tr>
<tr>
<td>Volume</td>
<td>{71a27cdd-812a-11d0-bec7-08002be2092f}</td>
</tr>
<tr>
<td>System</td>
<td>{4d36e97d-e325-11ce-bfc1-08002be10318}</td>
</tr>
<tr>
<td>TapeDrive</td>
<td>{6d807884-7d21-11cf-801c-08002be10318}</td>
</tr>
<tr>
<td>USB</td>
<td>{36fc9e60-c465-11cf-8056-44455354000}</td>
</tr>
<tr>
<td>Windows CE USB ActiveSync Devices (WCEUSBS)</td>
<td>{25d8ce51-6c8f-4a72-8a6d-b54c2b4fc835}</td>
</tr>
</tbody>
</table>
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<table>
<thead>
<tr>
<th>Device</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows Portable Devices (WPD)</td>
<td>{eed5ad98-8080-425f-922a-dabf3de3f69a}</td>
</tr>
<tr>
<td>USB</td>
<td>{36fc9e60-c465-11cf-8056-444553540000}</td>
</tr>
</tbody>
</table>


For adding Class GUID in exception list,

- Select Device Class GUID from the dropdown list.

- Copy and paste the Value in the Device Identifier field.
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- Click the **Add** button.

It gets added and displayed as shown in the figure below:

![USB Exception List](image-url)

*Figure 18*
Event description and Event IDs for USB Monitoring

<table>
<thead>
<tr>
<th>Event description provided by source EventTracker</th>
<th>Event Id</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB Monitoring started for&lt;drive name&gt;</td>
<td>3239</td>
</tr>
<tr>
<td>USB Monitoring stopped for&lt;drive name&gt;</td>
<td>3240</td>
</tr>
<tr>
<td>USB device is disabled by EventTracker</td>
<td>3242</td>
</tr>
<tr>
<td>EventTracker detected new drive</td>
<td>3228</td>
</tr>
<tr>
<td>EventTracker &lt;drive name&gt; removed</td>
<td>3229</td>
</tr>
</tbody>
</table>

EventTracker Web Console

The user can also avail the USB monitoring option from the EventTracker Web Console.

- For this, login to EventTracker Enterprise.
- Click on Admin dropdown and select Windows Agent Configuration.
- Click on System Monitor tab.
Click the **USB Exception List** button.

The USB Exception List window displays.
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Figure 20

USB Exception List

- USB Serial Numbers (Decimal/Hexadecimal format)
  USB devices with the following volume serial numbers will not be disabled when inserted.

  Enter USB Volume Serial Number:  

- Device identifiers
  USB devices with following Device identifiers or Hardware identifiers or Class GUID will not be disabled when inserted.

  Enter USB Identifiers:  

Add  Edit  Remove
Frequently Asked Questions

1. **How to disable all devices using USB Monitoring?**

   Go to EventTracker Control Panel> EventTracker Agent Configuration>System Monitor tab, enable the checkbox **Disable USB Devices** and select the option **All Devices**.

2. **How to disable all devices except Human Interface Devices (HID) using USB Monitoring?**

   For disabling all devices except Human Interface Devices, click the option **All Devices (Except Human Interface Device Class)**

3. **How to get the device id/Hardware id/ Class GUID of any specific device?**

   **For Example:** If we want to get the hardware id for a mobile device (with latest android version),
   
   - Right click on **Computer**.
   - Select **Manage> Device Manager**.
   - Right click on **Portable device** and select **Properties**.

   ![Figure 21](image)

   - In the **Properties** window, click the **Detail** tab.
   - Select **Hardware id** from dropdown list in **Properties** option.
4. **How to add mobile devices to the exception list?**

Taking the above example, to add the mobile device in the exception list,

- Go to **EventTracker Control Panel** > **EventTracker Agent Configuration**.
- Select the **System Monitor** tab.
- Click the **USB Exception list** button.

![Figure 22](image)

**Figure 22**

![Figure 23](image)

**Figure 23**
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The USB Exception List displays.

- Copy the Value: (Refer to figure 22) and paste it in the USB Identifiers field as highlighted above.
- Click the Add button.

It gets added and displayed as shown in the figure below:
Figure 25: To exclude disabling of a Specific Mobile Device.

To exclude disabling of All Mobile Devices using Class GUID as Device Identifier,

- Add the below Values in the USB Exception list as displayed in the Figure 26.

<table>
<thead>
<tr>
<th>Windows Portable Devices (WPD)</th>
<th>{ee5ad98-8080-425f-922a-dabf3de3f69a}</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB</td>
<td>{36fc9e60-c465-11cf-8056-444553540000}</td>
</tr>
</tbody>
</table>
Figure 26: To exclude disabling of all Mobile Devices (For Class GUID)