

Intel® Media SDK Tracer

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Overview

The **SDK (Software Development Kit) Tracer** utility performs runtime recording of SDK API calls and parameters to a log file. It can be used for analyzing and locating SDK integration issues.

Features

When using default settings, Tracer captures call information from all SDK API functions except the following per-frame functions:

`MFxVideoDECODE_DecodeFrameAsync`, `MFxVideoVPP_RunVppFrameAsync`, `MFxVideoVPP_RunVppFrameAsyncEx`, `MFxVideoENCODE_EncodeFrameAsync`, and `MFxVideoCore_SyncOperation`. This mode should not impact the performance of the target application.

Alternatively, Tracer can generate a full log of interaction between the application and SDK library including per-frame processing. This mode can potentially impact the timing and/or performance of the target application because of the large data rate when logging information.

System Requirements

See SDK release notes for system requirements.

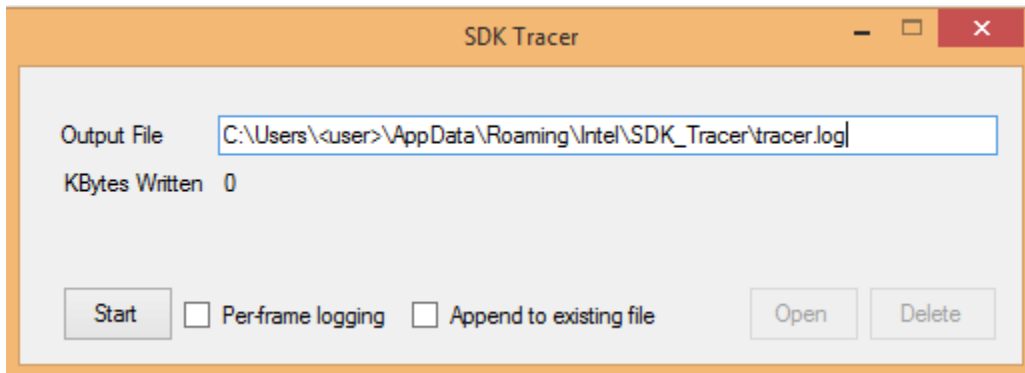
Using the Software

Tracer consists of 3 binaries:

<code>tracer.exe</code>	Run this executable to start Tracer
<code>mfx-tracer_32.dll</code>	Proxy library that implements SDK API for 32 bit applications
<code>mfx-tracer_64.dll</code>	Proxy library that implements SDK API for 64 bit applications

These proxy libraries are required to run Tracer.

Execute "`<install-folder>\tools\mediasdk_tracer\tracer.exe`" before running the target application based on SDK. Press *Start* at any time to start logging and press *Stop* to stop logging. After logging has been stopped, the results are written to the specified file. This process may take a few seconds. After completed, press *Open* to view the output log file.



"Per-frame logging" checkbox controls whether per-frame API functions are traced:

```

MFXVideoDECODE_DecodeFrameAsync
MFXVideoVPP_RunVppFrameAsync
MFXVideoVPP_RunVppFrameAsyncEx
MFXVideoENCODE_EncodeFrameAsync
MFXVideoCore_SyncOperation.

```

When "Append to existing file" is not checked log file is overwritten.
During logging, Tracer displays the current log size in Kbytes.

Known Limitations

- Abnormal termination of Tracer may result in the activation of the interceptor module (even after system reboot) with minor overhead to all SDK-based application executed on the system. If this occurs, run and close Tracer to disable the interceptor.
- Tracer may not work properly with applications linked with SDK dispatcher from previous versions of SDK.

- On systems with Intel® HD Graphics and multiple monitor set up (multiple graphic devices) Tracer may prevent SDK based applications from correct functioning if Intel® HD Graphics is not the primary display adapter.

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