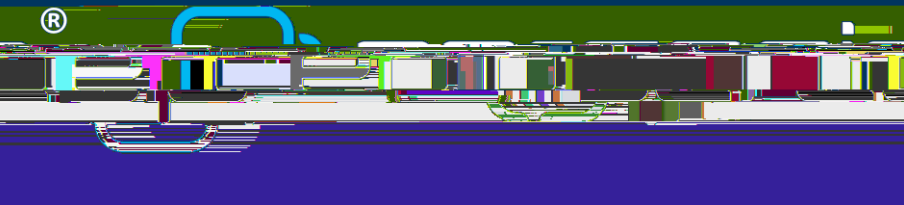


Percepio Application Note PA-025, 2018-10-25

Today's powerful vision processors allows for great performance, but how do you ensure your solution really makes efficient use of the hardware? Perhaps some OpenVX graph node requires much more processing time than expected and overloads a core, while the other cores are mostly idle? Perhaps the application is spending a lot of time waiting for DMA transfers to complete? Perhaps you have tried to



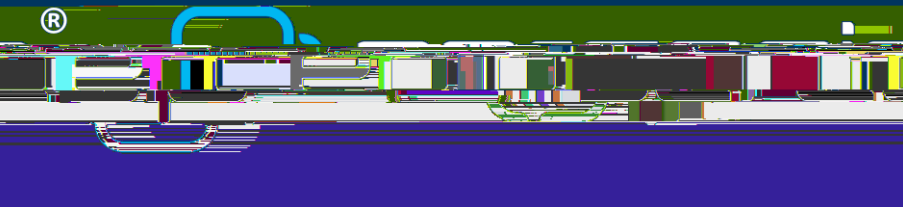




The Actor Instance Graph can show various timing properties, not just execution time, but also e.g. separation and periodicity. You can change what property that is displayed in the dropdown menu that reads "Execution Time" by default. Some of the properties are however not very relevant for OpenVX traces. For







Visit <https://percepio.com/download> and make sure to select OpenVX/Synopsys as Target Platform. The download link will be sent to the provided email address. If you don't have a Tracealyzer license already, sign up for evaluation in the download registration form. You will then receive an additional email with an evaluation license key. The evaluation time is 30 days for this version of Tracealyzer.

To install on Windows, just launch the executable installer. On Linux, extract the Tracealyzer .tgz archive and read "RunningOnLinux.txt" for further instructions.

When Tracealyzer is started for the first time, select "Activate License" to enter your license key.

You can begin exploring the features right away using the example trace shown in this document. This is included with Tracealyzer and available directly from the initial "Welcome to Tracealyzer" screen.

To record a trace from your OpenVX application, follow these steps:

1. In your application code, add the following include statement:

```
$ #
```

2. Add a

