

Welcome to the November edition of Vampir News, designed to keep you informed of recent developments of our performance analysis environment. This includes the tracing tool VampirTrace as well as the visualization and analysis framework of Vampir 7.

VampirTrace

VampirTrace

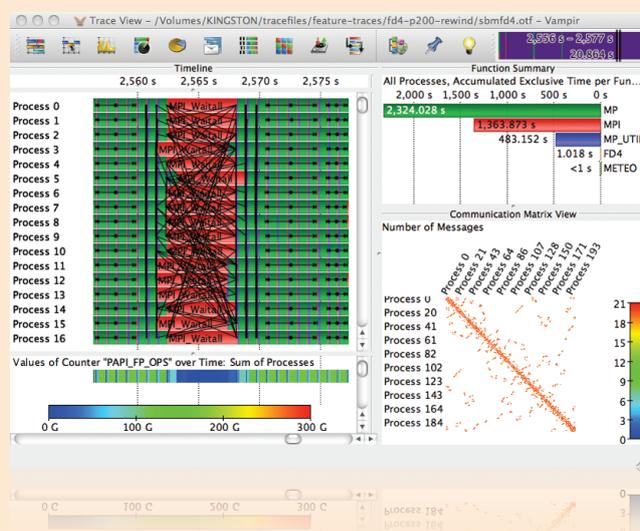
The new VampirTrace 5.10 introduces **additional methods of acquiring performance data** as well as a growing set of **highly scalable VampirTrace tools**. As of this release, VampirTrace also supports automatic source code instrumentation using **PDT/TAU**. The advantages of this form of event logging are the possibility to **filter certain events** (like C++ STL constructors) while – in contrast to compiler instrumentation – **enabling full compiler optimization**.

The VampirTrace tools **vtfilter** and **otfmerge** are now also available in **MPI parallel versions** to allow filtering, filter generation, and merging of trace files from very large runs. Additionally, the counting of transferred bytes for collective operations was changed from a derived global count to a more exact per-rank information.

A preview of VampirTrace with the capability to **capture OpenCL** events has also been made publically available.

Vampir 7

Vampir 7



The new Vampir 7.3 comes with improvements for **better usability** and **higher performance**.

The **Performance Radar chart** now offers a **highly adjustable and sophisticated event analysis** by e.g. enabling arithmetic operations with the underlying data.

On top of the already available visualization of I/O operations Vampir now also allows the **statistical analysis of I/O events**.

The Vampir GUI provides more **feedback on the connection status** to a remote VampirServer and the **progress of outstanding work** via status icons and workload indicators.

With the availability of a Mac OS X Vampir 7 release, Vampir now supports the major desktop operating systems **Windows, Mac OS X, Linux/Unix**.

The Vampir 7.3 Professional edition also features the new **VampirServer 2.3** with extended and improved analysis methods and enhanced internal communication patterns for enabling a **more scalable analysis on even larger trace files**.

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