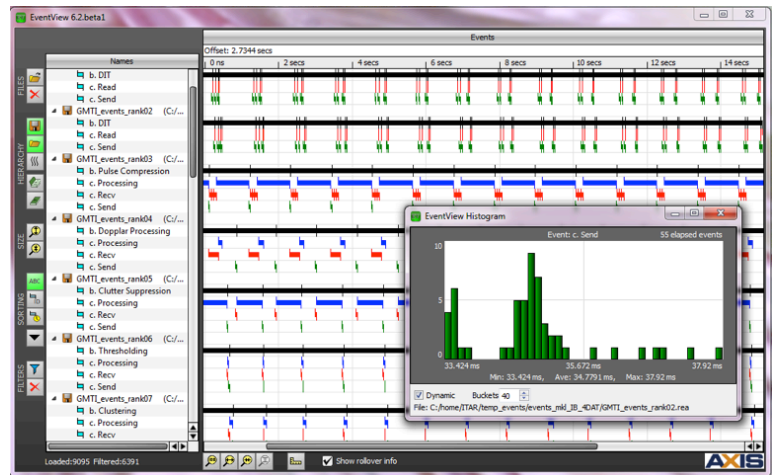# AXIS EventView

Software Event Analyzer "Demystify Application Performance"

AXIS EventView is a software event analysis tool that enables application developers to demystify the performance of their applications.

It helps developers determine algorithm efficiency, application determinism and real-time behavior.

It also complements a debugger by helping the developer understand the application behavior system-wide.

EventView API
AXIS EventView provides an instrumentation API library to enable the developer to create and manage event sessions and then record events.

API summary:
Five core functions – open session, create event, record, save & close session. 13 optional APIs for enhanced functionality.

EventView Viewer GUI
The AXIS EventView GUI provides a simple user interface to allow the user to analyze event trace files captured during application runs.

Key benefits
Rapid troubleshooting
Visualization of system-wide application timing allows the developer to rapidly identify application bugs and determine if the application is meeting its timing requirements.

Identifying bottlenecks
The viewer enables developers to quickly identify the critical functions in the code that dominate the overall timing. It also helps spot bottlenecks caused by inter-thread and process communication inefficiencies. This enables focused optimization and tuning, therefore greatly improving productivity.

Portability
The EventView API supports multiple processor CPU architectures and operating systems. The graphical viewer can be hosted on both Windows® and Linux®.

Performance
The EventView API recording mechanism is designed for minimal overhead to the application. Code can easily designed to 'switch off' instrumentation for deployment.

Simplicity
Only five core APIs, 18 in total.
Simple, uncluttered graphical interface.
Comprehensive examples.

Getting started and support
The AXIS EventView package contains a comprehensive set of use case examples that can be run out-of-the-box. These demonstrate the use of various features of the EventView API.
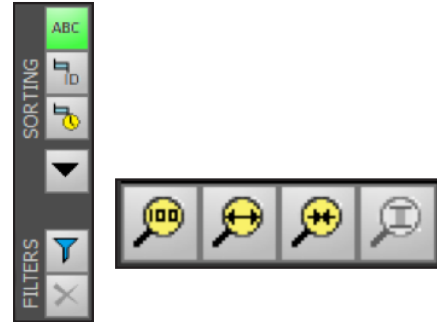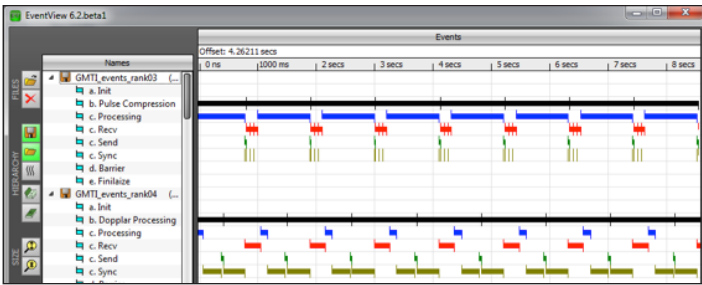
With annual maintenance, the Abaco Systems support team provides unparalleled help to enable our customers to successfully meet their application requirements.
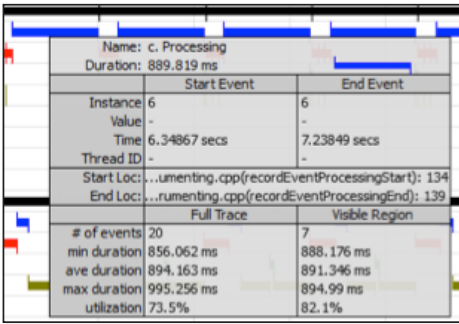
FEATURES:
- API library for application instrumentation
- Graphical viewer tool
- Support for multiple threads and processing across multiple processors
- Integrated with AXIS MPI and Flow middleware
- Support for PPC®, Intel® and ARM® architectures
- Runs on Linux ®, Windows® and VxWorks®
- Optimized for minimal overhead

abaco
S Y S T E M S

AXIS EventView *Software Event Analyzer "Demystify Application Performance"*
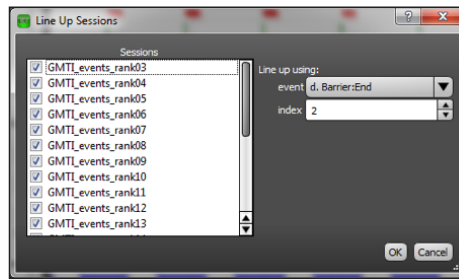
- Graphical display enables multiple traces to be viewed concurrently.

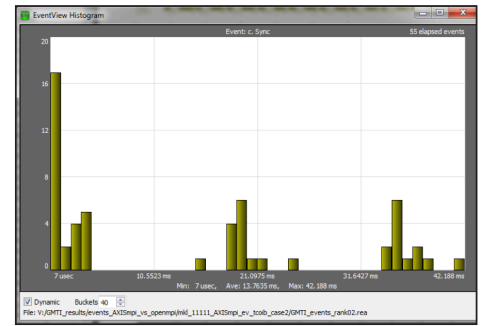- Zoom and sorting features enable focus into relevant areas.

- Mouse 'roll-over' information displays details about each capture event and how it relates to other events in the trace.

- Alignment feature allows trace to be aligned on common timing event

- Histogram feature allows analysis of event determinism.

Ordering information

AXISEVENT-01M	AXIS EventView Maintenance Agreement
AXISEVENT-01R	AXIS EventView Maintenance Agreement Renewal

Related software sold separately

AXIS MPI– Open Standard Message Passing Interface
- Low SWaP-focused MPI 1.2 implementation
- EventView instrumentation module.
- Runs on Linux, Windows and VxWorks

AXIS DataView– Data Visualization and Control toolkit
- Enable rapid development of GUIs
- View application data graphically in real-time.
- Runs on Linux, Windows and VxWorks

AXISLib Performance DSP & Math Libraries
- AXISLib-AVX / AXISLib-PPC
- 600+ DSP and math function libraries
- VSIPL Core 1.0+ profile & Abaco RSPL APIs
- Runs on Linux, Windows and VxWorks
- Intel® Core™ i7 with AVX 2.0 support
- Freescale e6500™ with AltiVec® support.
- See AXISLib data sheet for additional information

WE INNOVATE. WE DELIVER. YOU SUCCEED.

Americas: 866-OK-ABACO or +1-866-652-2226   **Asia & Oceania:** +81-3-5544-3973

Europe, Africa, & Middle East: +44 (0) 1327-359444

Locate an Abaco Systems Sales Representative visit: abaco.com/products/sales

abaco.com   @AbacoSys