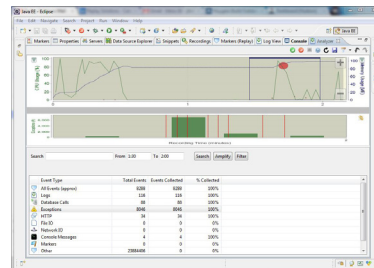


### Diagnose and Fix Application Defects 50% Faster Make root cause identification, communication and replication easier, faster and cheaper.

In today's complex and agile business environment, enterprises are struggling to reduce the time and resources required to implement and upgrade mission critical applications.

Global organizations with increasingly dispersed application teams very often encounter issues that are difficult to communicate and replicate, increasing the amount of time and resources required to resolve defects and elongating overall project schedules.



ReplayLIGHTNING: Triage Speed, Root Cause Precision

### Manage application quality across the software development lifecycle

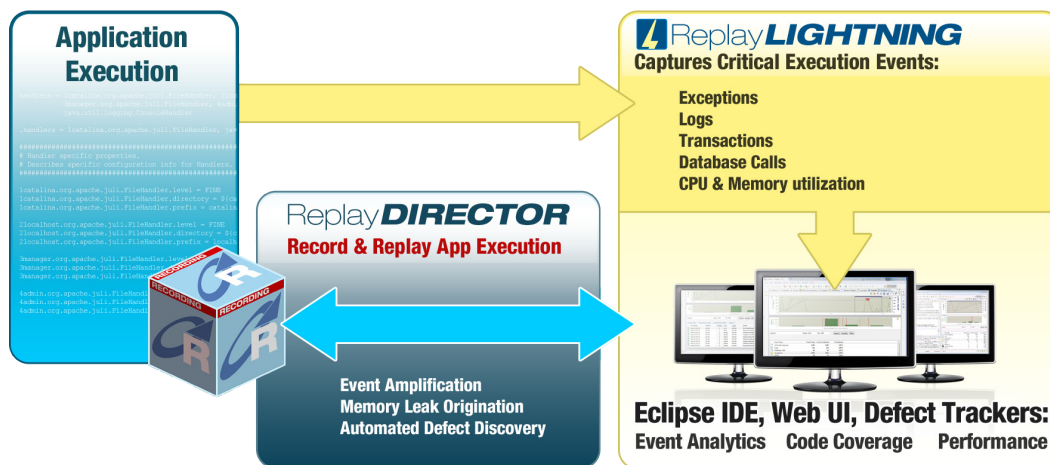
ReplayDIRECTOR for Java EE is a software solution designed to help application teams find, communicate and eliminate application defects more quickly, easily, and with fewer resources. Software engineers, quality assurance testers and application administration and support staff can benefit from using ReplayDIRECTOR.

- » No source code changes required
- » Replay original execution with 100% fidelity
- » Packaged recording can be replayed anywhere
- » Root-cause analysis with standard debuggers
- » New ReplayLIGHTNING execution analytics

ReplayDIRECTOR functions like a DVR for software. Once ReplayDIRECTOR is installed in the JVM, each time an application is executed a recording is produced containing all the information necessary to replicate the identical behavior upon replay. This recording and associated execution event summary can be used by teams across the application lifecycle to accurately communicate defect information while more rapidly pinpointing the exact cause of the problem.

## NEW ReplayLIGHTNING: Rich Real Time Execution Analytics

ReplayLIGHTNING streams highly interactive, actionable application execution data directly into the Eclipse IDE as well as Web-based dashboards. With ReplayLIGHTNING, development, test, operations and support have instant access to comprehensive defect, coverage and performance information.

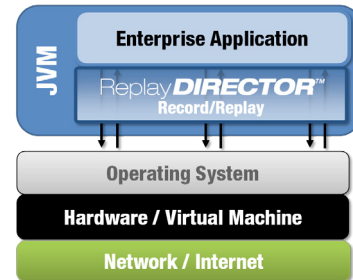


ReplayLIGHTNING data can also be used to generate diagnostic probes to “go back in time” in a recording and amplify, or increase, event visibility within a specific time period. For example, Replay event amplification can generate debug-level logs that were not in the original execution.

# Revolutionary technology that increases software development velocity

ReplayDIRECTOR works by isolating, capturing and recording only the non-deterministic inputs and events that affect an application's execution.

By using very light-weight byte-code instrumentation, ReplayDIRECTOR's patented technology utilizes those events to reproduce the precise execution of the original application code.

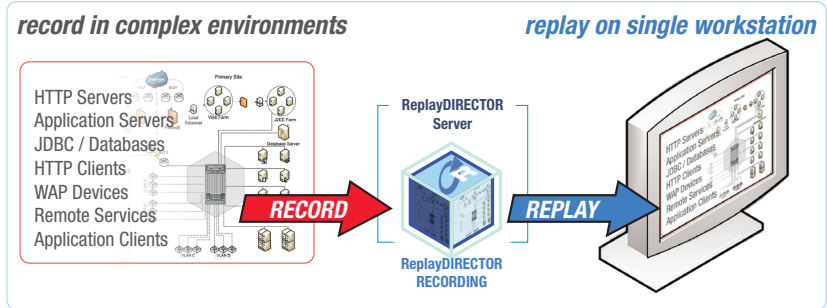


ReplayDIRECTOR for Java EE Architecture

## Replicate issues without costly, complex test environments

Because the program inputs are captured in a "virtual container" and fed back to the executing binaries in the order in which they occurred, the original application environment is not required for playback. The clients, databases, web servers, authentication systems, and other complex production environment components are simulated, allowing for quick and immediate root cause analysis of a problem on a system that provides nothing more than a compatible JVM.

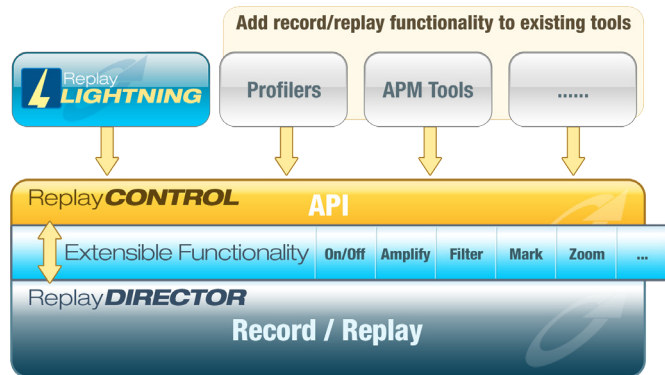
Recorded sessions can be managed through a web interface and then immediately launched and debugged using the ReplayDIRECTOR Eclipse plug-in and associated ReplayLIGHTNING diagnostic portal.



ReplayDIRECTOR will reproduce any transaction, no client or network load or database is required.

ReplayDIRECTOR complements existing development tools and workflows. QA teams benefit from the integration of ReplayDIRECTOR with systems such as JIRA, HPQC/ALM, and IBM Rational Team Concert. By attaching a link to a recording directly in a trouble ticket or defect report, the issue is perfectly documented and easily replicated by either development or support.

## ReplayCONTROL Opens Record/Replay API's to Third Party Tools



ReplayLIGHTNING is a showcase for a new set of open API's, called ReplayCONTROL, which are now available to third party profiler, diagnostic and APM tools to incorporate record/replay functionality for their solutions.

### Supported Platforms

- Operating Systems: [Windows](#), [Linux](#)
- JVM: [Sun JVM 1.5 or later](#)

CONTACT US: [info@replaysolutions.com](mailto:info@replaysolutions.com) 1-877-400-7444

### ReplayDIRECTOR helps save 11% or \$1.2m

"...you really recognize the value of [Replay] when you're in **crunch**... we were able to get the turn-around time down from days, to **minutes**."

John Chowanec, Lead Producer at Eidos

Replay Solutions was founded in 2003 by Jonathan Lindo and Jeff Daudel to create a suite of products based on its ground-breaking technology that will help application teams deliver and deploy their products on time, with as few bugs as possible.

