Application infrastructures are more complex than ever. IT operation teams are continually faced with finding the fastest way to get to the root cause of a full variety of performance problems. Especially those issues that occur in high-volume environments such as production or during load testing. Isolating a performance issue to application code, a VM configuration issue or a client-side problem accelerates time to resolution. Compuware dynaTrace Java and .NET monitoring enables IT teams to dive deep into the underlying layers of Java and .NET environments, isolating performance issues to application code, VM configuration or client-side problems so they are quickly repaired.

Identifying problems along the Java or .NET application delivery chain can be difficult with so many potential points of contention:

• Server-side: Java and .NET method performance issues
• Client-side: AJAX/DOM, Java, .NET method and user performance issues
• And more: components, synchronization, resources, calls to external systems, remoting, database executions, DOM calls and XHR calls.

The application performance monitoring and analysis solutions of dynaTrace, a division of Compuware, enables IT teams to dive deep into the underlying layers of Java and .NET environments, even down to the offending line of code.

The patented PurePath Technology of dynaTrace provides a new approach for monitoring, managing and optimizing applications. dynaTrace helps unify the application performance life cycle through specialized features for development managers, performance test and QA, as well as production operators and business owners. The solution provides the world’s most accurate and detailed view of application behavior. All transactions, end to end. From user click, across all tiers, to the database and back again.

With PurePath, we help with the one thing that developers, operators and business owners all agree on: application performance matters.

KEY FEATURES AND BENEFITS
dynaTrace overcomes the limitations of traditional APM tools and is the first solution to solve today’s increasingly complex application performance challenges. Using dynaTrace, operations leaders can quickly tackle performance problem backlogs, stabilize poorly performing applications and align technology with business demands. Deep analysis allows IT to monitor CPU invocations and response times, gain valuable performance insight into SQL calls and collect key JMX metrics around the clock. Using this and other data, operations teams can clearly communicate Java and .NET performance to development, to ensure quality control through development and QA life cycles. The transaction-following features in dynaTrace can pinpoint application bottlenecks in complex, multi-tier application architectures and applications that rely or reside on mainframe z/Linux or z/OS platforms. All data and reporting are provided in role-relevant dashboards that communicate service delivery and SLA status to the business, as well as enable IT to take action when problems arise.

KEY FEATURES
• PurePath global transaction tracing
• Light-weight agent with scalable server-collector architecture
• Integrated life-cycle approach with unique collaboration system
• Automated diagnostics and smart agent automation with dynamic, on-the-fly provisioning
• OSGi plug-in model for open integration and extensibility

KEY BENEFITS
• Improve the time to market for new or enhanced applications by 30-50 percent.
  – Eliminate and accelerate test-fix cycles and avoid end-of-project architecture overhauls that cause significant delays.
• Reduce mean-time-to-repair by 90 percent.
  – Shorten resolution time from days or weeks to minutes.
• Ensure application performance supports business goals.
  – Manage SLAs and increase test coverage to ensure customer satisfaction and drive more revenue.
• Integrate with your current systems and workflows.
  – Leverage your existing investments and streamline your current processes to be more efficient.
• Automate to do more with less.
  – Eliminate redundant, manual tasks and free teams to focus on more value-added initiatives.
Full Application Insight: Using patented PurePath Technology, dynaTrace can analyze Java and .NET applications down to the method and even at code level. This unprecedented insight provides development and operations with unified reporting that accelerates problem identification and resolution.

Whether your environment has grown over the years, or you are starting fresh with state-of-the-art technologies, dynaTrace supports all major application servers, frameworks, enterprise service buses, remote protocols and messaging technologies. Because of its open architecture, dynaTrace is extended continuously by dynaTrace experts and the dynaTrace community.

From the beginning, dynaTrace was designed with heterogeneity in mind and seamlessly supports Java, .NET and web applications, all in a single solution.

dynaTrace provides development and operations with unified reporting that accelerates problem identification and resolution.

### APPLICATIONS
- IBM WebSphere
- Oracle Weblogic
- JBoss
- Apache Tomcat
- SAP NetWeaver
- Oracle Application Server
- Sun Java Application Server
- Borland Application Server
- Many more...

### FRAMEWORKS
- Hibernate
- Struts
- Spring
- SAP
- Applets
- AWT, Swing, RCP
- JPA, JDO
- JSF, JAX, JMX
- Many more...

### ENTERPRISE SERVER BUSES
- Oracle SOA Suite
- Oracle Service Bus
- Fuse ESB
- SOA Software ServiceManager
- TIBCO ActiveMatrix BusinessWorks
- WebSphere ESB
- Many more...

### MESSAGING
- IBM WebSphere MQ
- Apache Active MQ
- TIBCO Rendezvous
- JMS
- Many more...

### WEB SERVICES
- IBM WebSphere
- Oracle WebLogic
- AXIS
- Apache HttpClient
- Apache CXF
- Hessian
- JAX
- Many more...

### REMOTING
- JBoss Remoting
- XML-RPC
- RMI/IIOP
- RMI/JRMP
- RMI/T3
- ORMI
- HTTP Remoting
- Many more...