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Delphix Partners with Dynatrace to Accelerate Application Recovery

Integrate automated data delivery into SRE workflows to expedite root cause analysis and decrease MTTR
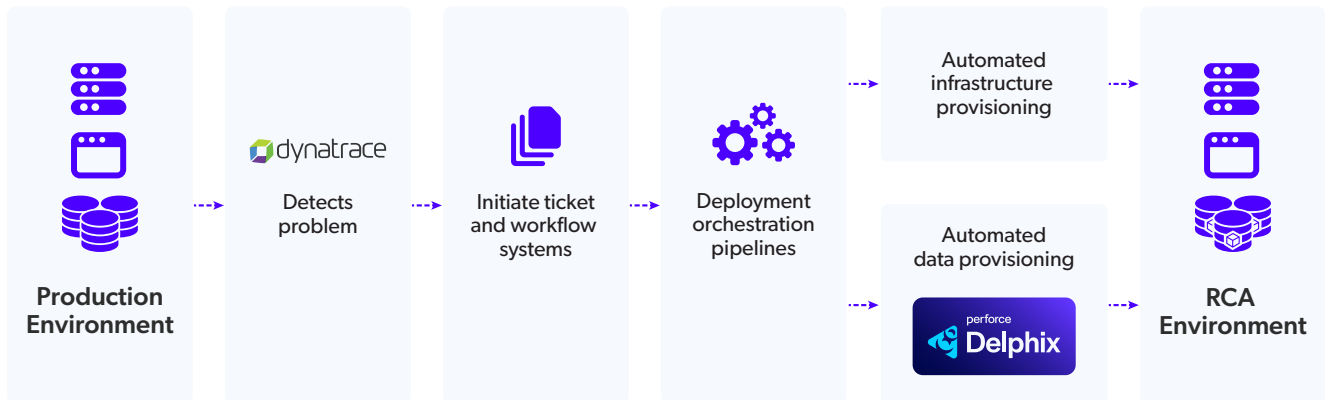
Delphix Integrates with Dynatrace to Expedite Application Recovery

In today's software-driven world, any disruption to application performance and availability significantly impacts customer experience and revenue. Dynatrace is a leader in Application Performance Monitoring (APM) for applications deployed on-premises and in the cloud. Dynatrace has partnered with Delphix to improve the speed of analysis and recovery when production issues threaten business continuity and user satisfaction.

Dynatrace monitors business-critical enterprise applications, automatically opening a service ticket when a problem is detected. When a production incident requires rapid root cause diagnostics, Dynatrace automatically directs the Delphix DevOps Data Platform to deliver a point-in-time copy of production data into Root Cause Analysis (RCA) environments. With the data-ready RCA environment, teams can more readily reproduce the issue and expedite development, testing, and deployment of a fix.

Delphix replaces slow, manual processes for data delivery into RCA environments to ensure SRE and development teams have production-relevant data for fast and accurate production triage. Recreating the precise state of a database is often the most challenging part of the recovery workflow, especially for complex applications. Delphix automates complex data operations, so SREs can time travel data to analyze the production workload anytime before, during, or after Dynatrace identified the problem. Fast access to a granular history of data accelerates investigation and improves MTTR.

- **API-Driven Data Delivery**
  Delphix integrates with Dynatrace to automate data delivery into RCA environments.

- **Data Time Travel**
  SREs restore data to any point in time to expedite incident triage and application recovery from production issues.

- **Treat Data Like Code**
  Efficiently rewind, bookmark, and version data to increase productivity and shorten the time to restore services.

- **Production-Relevant Data**
  Delphix ensures SREs have production-relevant data, even for complex enterprise applications and workflows that use a diverse set of data sources.

Accelerate RCA Environment Creation with Automated Data Delivery

When Dynatrace software intelligence detects a production issue, a ticket is automatically opened in the issue tracking system. If SREs determine additional analysis is required, a change in the ticket status signals Dynatrace to initiate deployment orchestration of RCA environments. As part of this workflow, Delphix receives a push event with configuration details and instructions to provision any number of agile virtual copies of production data.

Efficient Environment Monitoring and Administration

Delphix sends application and database connection information back to Dynatrace. SREs and administrators view configuration and deployment details of RCA environments using Dynatrace's in-context monitoring and events tracking dashboards. Once the application issue has been identified and service restored, changing the ticket status in Dynatrace will efficiently tear down RCA environments and destroy the objects created, leaving resources available for future use.

Bring Data Agility to SRE Workflows

Delphix continuously syncs with the production data source to keep a precise history of change and can automatically deliver data to the exact point when Dynatrace detected the problem and the ticket was created. During root cause analysis, SREs can time travel the data to any time before, during, or after the event to recreate the application and data at various states.

Delphix APIs let users treat data like code so data operations can be easily integrated into existing workflows. If aggressive testing destroys the database, just a few lines of code will rewind data to the original point in time. Developers and SREs can also create bookmarks and branches in datasets, get the latest data from production sources, and even share different datasets between different pipeline users. Data agility helps SRE and development teams more rapidly reproduce the issue, develop a fix, and reduce MTTR.