

# Decrease Application Downtime with Data-Ready RCA Environments

Pre-engineered, automated workflows to identify issues then provision RCA environments for mission-critical applications

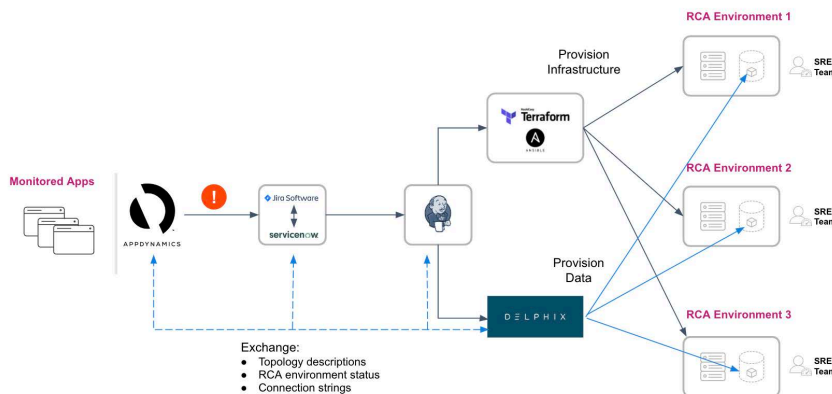
D E L P H I X

ACTION



## Integrate AppDynamics data into Delphix to drive service recovery

Delphix provides a programmable data infrastructure platform for automated data delivery. When triggered by AppDynamics' application insight capabilities, Delphix can automatically provision the right data from the affected application from the right point in time. This enables teams to rapidly reproduce issues, perform root cause analysis, develop and test fixes, and drastically shorten the time to restore services.



### Key Features for SRE

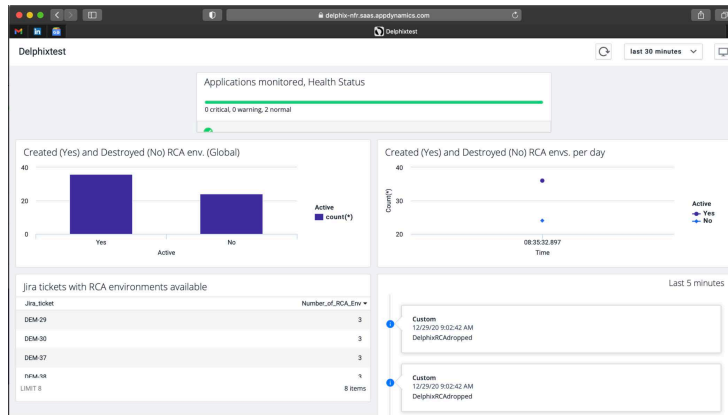
- **Data Immutability** - Immutable data time machine to recreate data in app environments for before, during, or after an event
- **Automated Data for Environments** - Provision virtual data into RCA environments, with APIs to refresh, clean up, bookmark, and share data
- **Data Observability** - Identify, track, and resolve data-related app issues such as data loss, data errors, and malicious changes to data, within applications and across systems

## Recreate the full app state, including the data

Within minutes of AppDynamics detecting a problem, Delphix quickly provisions virtual copies of production databases for RCA. This replaces slow, manual processes for data delivery that delay troubleshooting and force SRE teams to scramble. Since Delphix captures a continuous, granular history of production data changes, it can deliver point-in-time data for the moments just prior to, during, or after an event. And Delphix can also be proactively integrated with build and automation tools like Jenkins and Terraform to quickly provide full-stack environments to reproduce and fix issues.

## Integration with AppDynamics

Event and status info can be shared across AppDynamics, Delphix, and other tools. Delphix receives application topology from AppDynamics to determine what data to provision. After standing up RCA environments, Delphix registers connection info with ticketing/workflow systems. It also sends analytics info to AppDynamics for dashboarding and querying, as well as custom data in the form of events.



## Uphold application performance, boost CI/CD speed

Fast, flexible data environments from Delphix combined with insights from AppDynamics unlock additional use cases for SRE teams:

- If AppDynamics identifies performance degradation threats, it can trigger Delphix to rapidly provision test environments with the latest production data. This ensures production security during testing, isolating activities such as penetration testing to RCA environments.
- If AppDynamics detects service degradation when a new release is promoted, Delphix can collapse time to resolution. Fast data delivery to test environments across the CI/CD pipeline ensures that by the time a developers is ready to test "fix" code, testing environments are accurate and ready, even for complex integrated applications.

## About Delphix

Delphix provides an API-first data platform for the multi-cloud, supporting all apps from cloud-native to legacy mainframe. Delphix automates a range of complex data operations and integrates with modern toolchains to enable site reliability engineering, DevOps and CI/CD, and AI/ML model training. With Delphix, the wait for data is finally over.

## Want to find out more?

Learn more about how the Delphix Data Platform extends the power of AppDynamics and contact the Delphix team.

<http://www.delphix.com>