

Accelerate application migration to Amazon Web Services (AWS)

Amazon Web Services (AWS) is a secure cloud computing services platform, offering on-demand compute power, database storage, content delivery and other functionality to help businesses scale and grow. As many enterprises are migrating or deploying their new applications in the AWS Cloud, it is important to have deeper insight and control over the applications and the underlying infrastructure in order to ensure they can deliver exceptional end-user experience.

AppDynamics provides complete visibility into applications and business transactions deployed on-premises, in AWS cloud, and hybrid cloud. It offers the same performance monitoring, management, runbook automation, and analytics capabilities for applications running on AWS that are available for applications running on-premises.

Applications deployed on AWS are easily instrumented to provide complete visibility and control into an expanded set of AWS services, including Amazon Simple Queue Service (Amazon SQS), Amazon Simple Storage Service (Amazon S3), and Amazon DynamoDB.

Following are the top use cases where customers are using AppDynamics to manage applications deployed in cloud.

Accelerate application migration to the AWS Cloud: AppDynamics provides critical planning insights by automatically:

- Discovering all the business transactions in your application environment.
- Mapping and visualizing how business transactions are executed through distributed architecture components.
- Baselining the key performance indicators to facilitate comparison pre and post-move.

Manage cloud applications as complexity explodes. AppDynamics allows enterprises to manage complex hybrid cloud applications by providing:

- A single interface for end-to-end transaction tracing across distributed architectures, on-premises, AWS cloud, hybrid.
- Superior anomaly detection, set against automatic dynamic baselines and SLAs, tailored for environment characteristics.
- Minimize the time to identify the root cause for any performance issues of applications deployed in AWS environment

“The ability to trace a transaction visually and intuitively through the interface was a major benefit AppDynamics delivered. This visibility was especially valuable when Nasdaq was migrating a platform from its internal infrastructure to the AWS Cloud. We used AppDynamics extensively to understand how our system was functioning on AWS, a completely new platform for us.”

Heather Abbott, Senior Vice President of Corporate Solutions Technology, Nasdaq



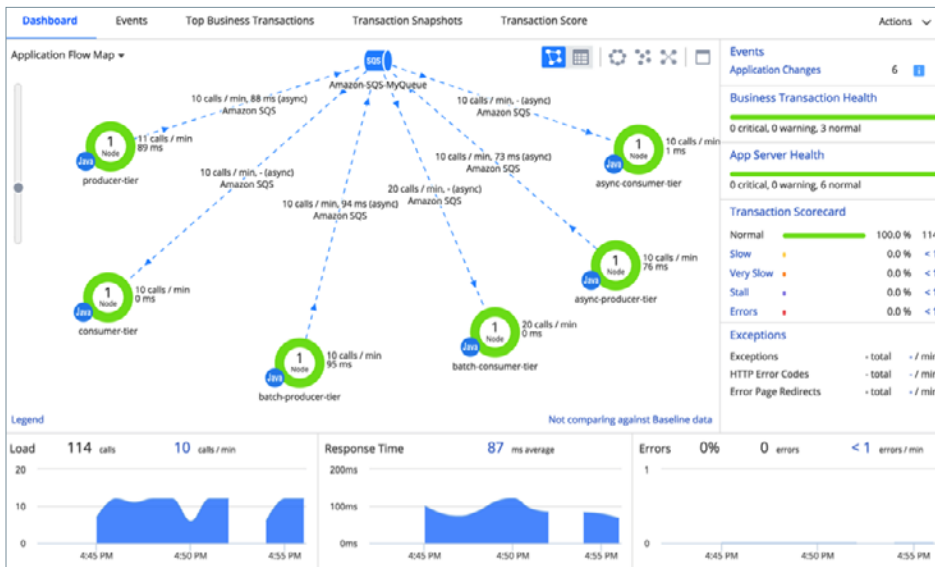


Figure: Allconnect cloud migration and cloud monitoring

Monitoring native cloud applications. AppDynamics provides visibility into:

- Native cloud applications. For example, AWS technologies including EC2, RDS, SQS, S3, and DynamoDB.
- AWS cloud infrastructure monitoring via CloudWatch monitoring extension, which allows baselining of infrastructure metrics and enables time-based comparisons of CPU, memory, I/O and other infrastructure utilization.

Scale cloud applications as workload grows. AppDynamics supports auto-scaling of cloud applications leveraging AWS cloud connector extension by:

- Setting up workflows, health rules, and policies for auto-scaling based on a combination of application metrics and infrastructure metrics.
- Enabling elastic scaling driven by application performance, preventing both under-provisioning of infrastructure that may impact end-user experience and over-provisioning of infrastructure that remains underutilized.

Supported platforms

Supported Run-Time environments

- Java 1.5 and above (both 32-bit and 64-bit)
- Microsoft .NET CLR 2.0 and above (both 32-bit and 64-bit)
- Node.js 0.8 and above
- PHP 5.2 and above
- Python 2.6 and above

KEY FEATURES

- Automatically discover applications deployed in AWS cloud and show application flow map.
- Monitor the performance of applications deployed in AWS cloud and correlate with supporting cloud infrastructure metrics.
- Scale the cloud environment elastically as workloads grow with help of AppDynamics runbook automation
- Leverage automated baselining and alerting to identify problems before they impact customers and to minimize false alarms.

“When we first saw the graph of the architectural components of the application that came up automatically with AppDynamics, we had a much clearer understanding of how to maximize the application design as we moved to run on the ...Cloud.”

Roy Early, Production Support Manager, Allconnect



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