

Delivering a Central Nervous System for AIOps

The Integration Partner Ecosystem

 **APPDYNAMICS**
part of Cisco



Introduction

At AppDynamics we're focused on giving you a deeper understanding of your applications with AIOps. Our goal with AIOps and our partner integrations is to enable IT teams to manage performance challenges proactively, in real-time, before they become system-wide issues.

By connecting AppDynamics with our key partners, you can gain deeper visibility into your environment, automate incident response, and ensure continuous delivery by optimizing your IT infrastructure to deliver stellar application experiences for users and customers.

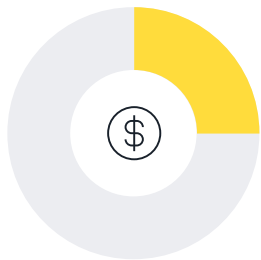
"By 2024, 30% of business leaders will rely on AIOps platforms for automated insights to drive business-related decisions, as compared to less than 3% today."¹

– Gartner, *100 Data and Analytics Predictions Through 2024*, Graham Peters, Alan D. Duncan, 2020.

The Challenge of Managing Modern Applications

As customer bases grow and businesses expand, application environments have become a complex web of interdependent applications, microservices, third-party software, and multi/hybrid cloud solutions. People, processes, and systems can no longer resolve issues or locate the root cause fast enough. The explosion of complexity within these distributed systems has restricted visibility and control across the IT stack, and humans can no longer manage the chaos alone.

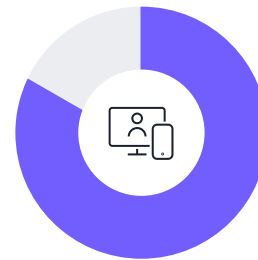
Artificial intelligence for IT operations, or AIOps, is a way to address this. AIOps refers to the use of artificial intelligence (AI) and machine learning to ingest and analyze large volumes of data from every corner of the IT environment, reducing its complexity by bringing data silos together with the means to filter them, detecting patterns, and clustering meaningful information for more efficient actioning.



24%
of consumers say news of glitches erode their trust in a company²



40%
of all downtime incidents cost between \$100,000 and \$1 Million³



79%
say digital services have introduced them to new products and services⁴



The AppDynamics Vision—A Central Nervous System for modern IT

With AIOps, AppDynamics helps customers turn IT into a central nervous system that responds and adapts to changing business conditions with the right context, intelligence, and control to move from servicing the business to driving the business.



Visibility

Understanding the health of your business requires total visibility into complex application environments that cross multiple domains including infrastructure, network, and security.



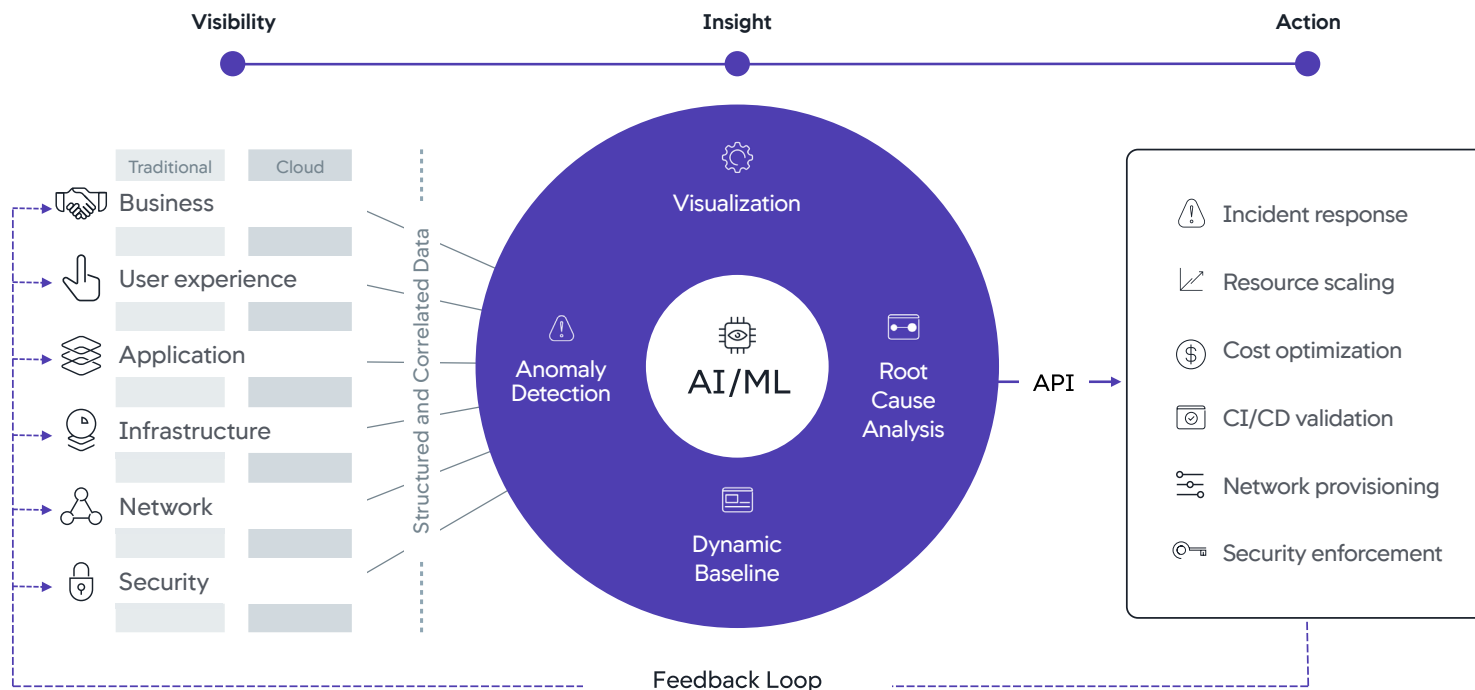
Insight

Automated insights from your application environment can fuel intelligent IT decision-making to drive rapid resolution and predict future performance.



Action

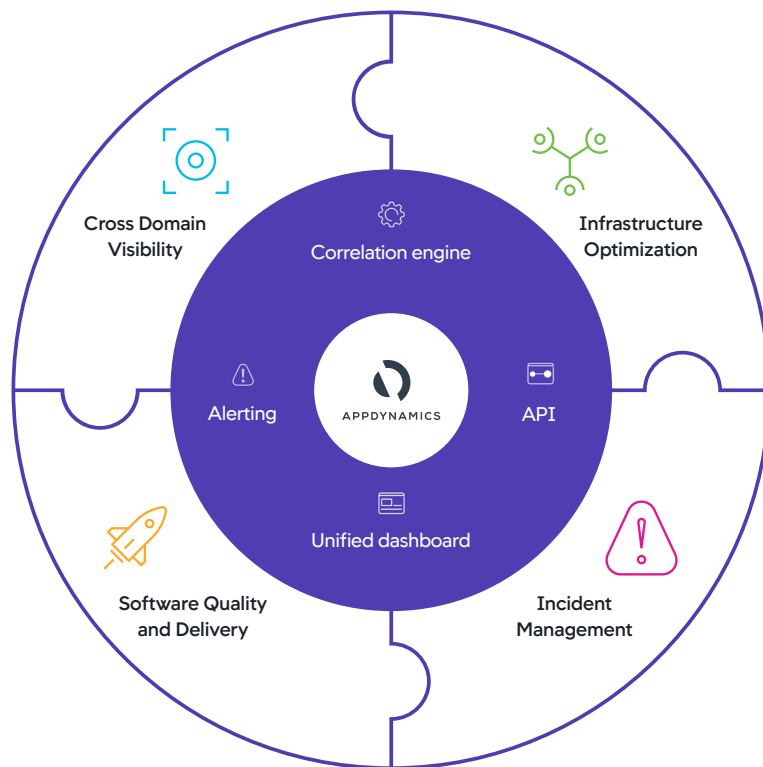
Take action on the insights you derive and leverage intelligence to help remediate problems, prevent issues, and optimize your operating environment.



Our Partner Ecosystem

AppDynamics fosters an open ecosystem of established and emerging technology vendors to deliver a closed-loop platform that enables an intelligent, validated infrastructure that is continually optimized.

Each one of our partners forms a critical part of the CNS feedback loop and allows us to address different complexities within our mutual customers' application environments. Together, we enable enterprises to provide the best user experiences to their own customers and advance their realization of a CNS architecture.



 **virtana**  **EVOLVEN**











Visibility into broader IT landscape fed into and correlated with APM data.



 **turbonomic**  **HashiCorp**

Move workloads, scale and tune resources on-premise, in the cloud, and within other infrastructures.



 **bigpanda**  **Moogsoft**  **Opsgenie**  **(x)matters**
 **servicenow**  **PagerDuty**  **BLAMELESS**  **ayehu**
 **squadcast**  **CloudFabrix**

Incident creation and consolidation, ticket enhancement, improved RCA and remediation.



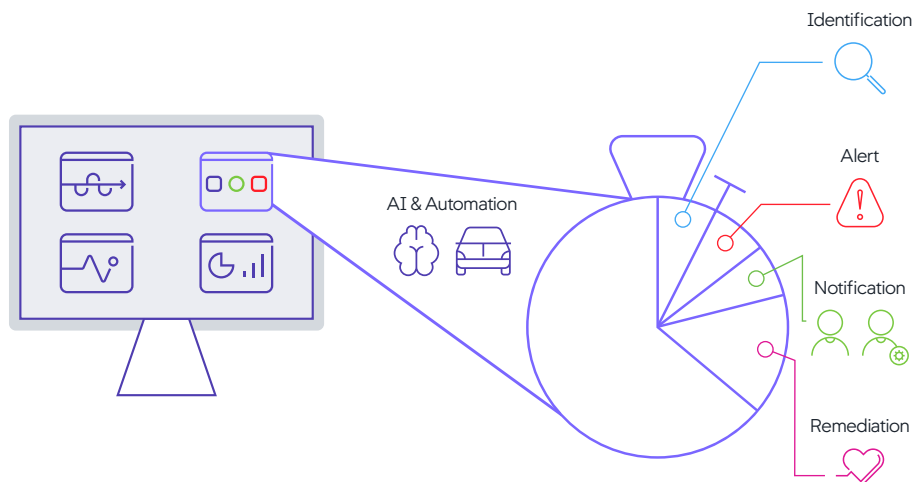
 **Apica**  **Neotys**  **appvanceIQ**  **MICRO FOCUS**
 **harness**  **numerify**  **LaunchDarkly**

Enhance testing processes, give confidence to continuous delivery.

Incident Management

Our Incident Management partners take the metrics AppDynamics provides to add context to alerts, correlate them with prior incidents, and provide a single click solution to identify root cause and improve triage efforts.

With AppDynamics, our Incident Management partners can automate incident resolution actions for end-to-end self-healing, maintain high availability of mission-critical applications, and automatically fix problems before they impact business applications and users, making incident resolution easier and faster than ever. By combining AppDynamics application topology and performance knowledge with Incident Management application models, businesses can drive better IT management processes to shorten the Mean Time to Resolution (MTTR) from days to minutes.



Featured Partners

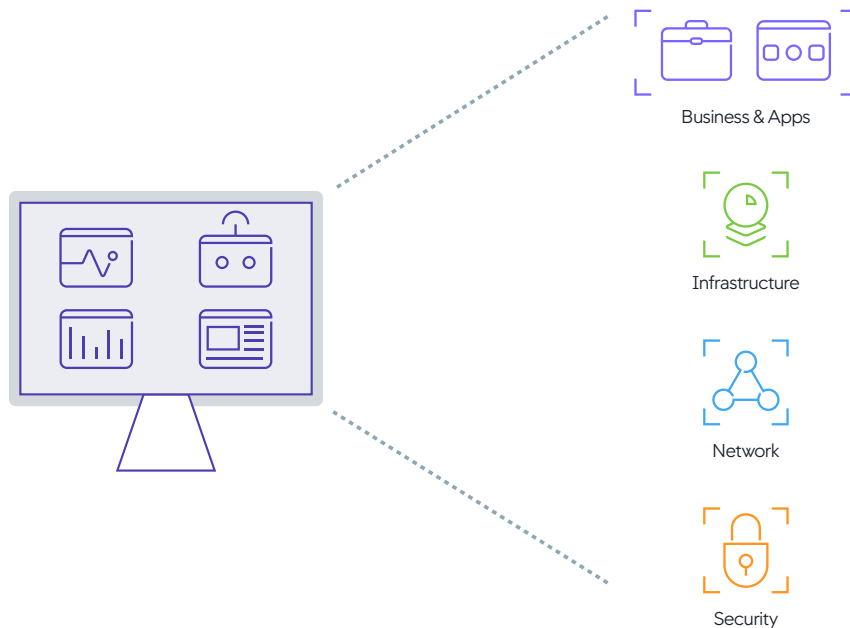


Partners reduce Mean Time to Resolution by providing a clear course of action to remediation.

Cross Domain Visibility

The integration between AppDynamics and our Cross Domain Visibility partners provides customers with a unique end-to-end root cause analysis solution addressing the critical step of any investigation: finding the root cause and understanding “what has changed in the environment?”

Our partners also allow us to detect and remediate faulty changes to an IT stack before they snowball into larger issues. This combined solution helps joint customers to further reduce MTTR, decrease the number of incidents, and accelerate code and infrastructure deployments. With proactive risk and performance analysis provided by AppDynamics and our partners, customers can ensure optimal performance for all global infrastructure resources.



Featured Partners



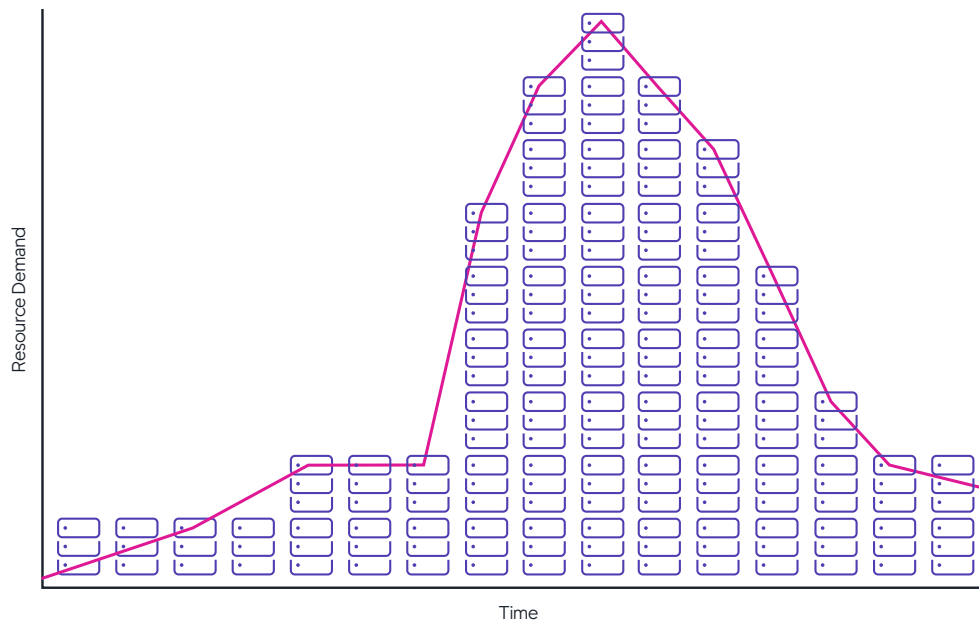
IT teams can correlate performance across all aspects of their environment and predict how future changes will impact their applications and infrastructure.



Infrastructure Optimization

AppDynamics provides contextual insight into application topology, which allows our Infrastructure Optimization partners to establish dependency relationships at each layer of the IT stack.

This partnership makes it easier for mutual customers to monitor the health of their infrastructure and incorporate Service Level Objectives (SLO) information into their platform. With deeper application visibility and insight, IT teams can reduce the risk of outages to drive infrastructure and cloud resource decisions at each layer of the stack while still enforcing business constraints. Through closed-loop optimization, resources can be scaled automatically to match loads to drive healthy application performance with real-time validation by AppDynamics.



Featured Partners

turbonomic

HashiCorp

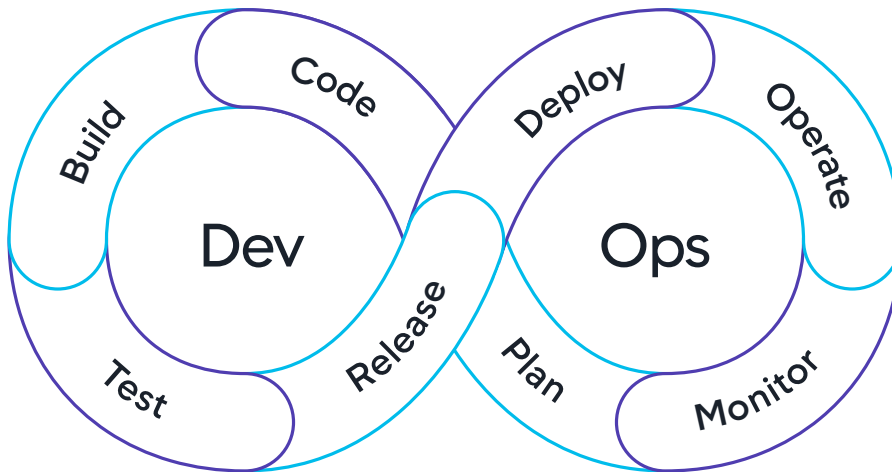
IT teams understand infrastructure dependency relationships to optimize resources at each layer of the IT stack.



Software Quality and Delivery

By leveraging AppDynamics with our Software Quality and Delivery partners, teams can gain deeper visibility into the full-stack performance of cloud, mobile, and corporate applications with clear insights into critical IT processes like release management, change management, and DevOps performance.

With more production insights available to the organization, teams can pinpoint bottlenecks and problem areas before new code hits production environments, or quickly roll back a faulty deployment to a stable release. With constant real-time monitoring with AppDynamics in testing and live environments, developers can drastically reduce time spent debugging and deploy code seamlessly to live environments while factoring in business and user impact.



Featured Partners



Developers can optimize software before it hits production environments, rollback failed deployments, and monitor testing environments in real-time.

Learn More

Our partners play a key role in allowing us to support our mutual customers. AppDynamics is proud to work with a diverse group of software vendors and emerging solutions that allow us to drive deeper insights into our customer environments and create even more value for those customers. We're looking forward to adding even more partners to the Integration Partner Program in the future, so keep an eye out for future updates!

See the Central Nervous System:

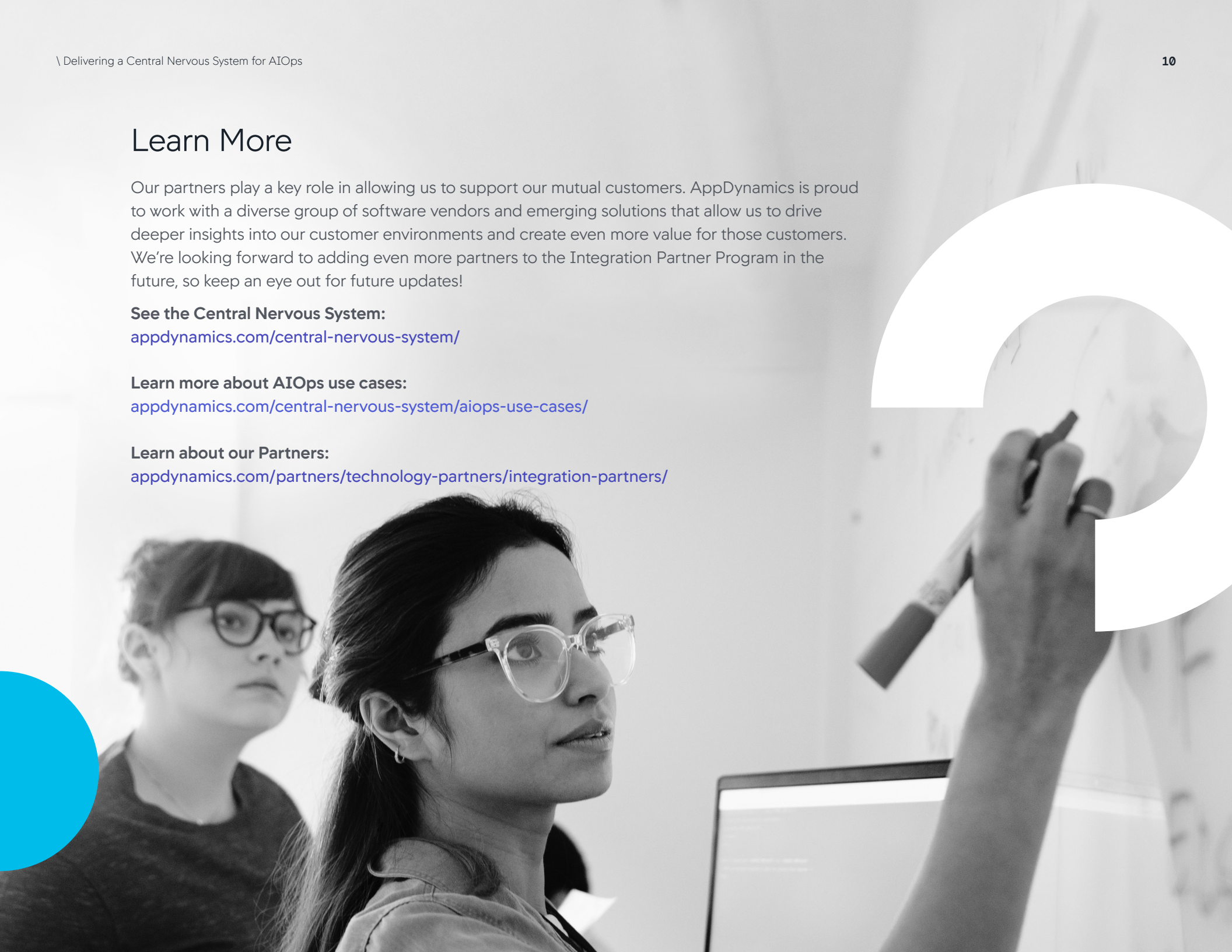
appdynamics.com/central-nervous-system/

Learn more about AIOps use cases:

appdynamics.com/central-nervous-system/aiops-use-cases/

Learn about our Partners:

appdynamics.com/partners/technology-partners/integration-partners/



About AppDynamics

AppDynamics is the Application Intelligence company. With AppDynamics, enterprises have real-time insights into application performance, user performance and business performance, enabling them to move faster in an increasingly sophisticated, software-driven world. AppDynamics' integrated suite of applications is built on its innovative, enterprise-grade App iQ Platform that allows its customers to make faster decisions that enhance customer engagement and improve operational and business performance. AppDynamics is uniquely positioned to enable enterprises to accelerate their digital transformations by actively monitoring, analyzing and optimizing complex application environments at scale. Start a free trial at **AppDynamics.com**.

Sources:

¹Gartner, *100 Data and Analytics Predictions Through 2024*, Graham Peters, Alan D. Duncan, 2020, <https://www.gartner.com/en/doc/721868-100-data-and-analytics-predictions-through-2024>

²AppDynamics - The App Attention Index, 2019

³Uptime Institute - Data Center Industry Survey Results, 2020

