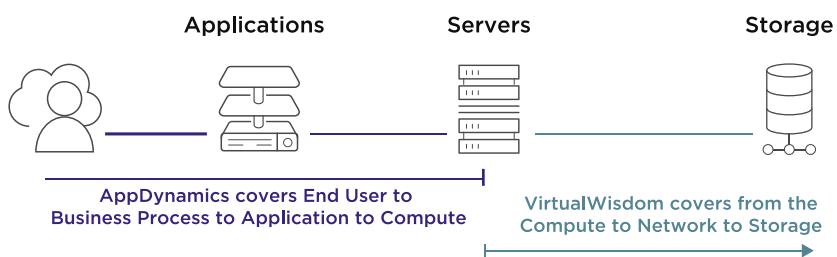# \\virtana

IT Transformation Through Integrated App & Infrastructure AIOps Solutions

Virtana's Infrastructure Performance Management (IPM) and AppDynamics deliver full-stack visibility and actionable insights based on a shared system-wide monitoring solution powered by ML/AI

Visibility & Action

Mission critical applications demand maximum performance and uptime. The hybrid and multi-tier infrastructure that supports them must be equally available and performant. These highly complex and large-scale environments make visibility and problem resolution increasingly difficult. To manage the resulting multi-domain interdependencies, AppDynamics and Virtana have integrated their solutions - bringing application and infrastructure together to enable proactive IT operations.

APPDYNAMICS AND VIRTANA

- **Proactive Issue Prevention**
  - Analytics automatically investigate alarms to determine root cause and recommend remediations

- **Significantly Reduced MTTR**
  - Integrated full-stack context to pinpoint, understand, and resolve infrastructure VS application-based issues

- **Improved Cross-team Collaboration**
  - Shared source of truth to inform discussions and deliver successful outcomes

Applications   **Servers**   **Storage**

AppDynamics covers End User to Business Process to Application to Compute

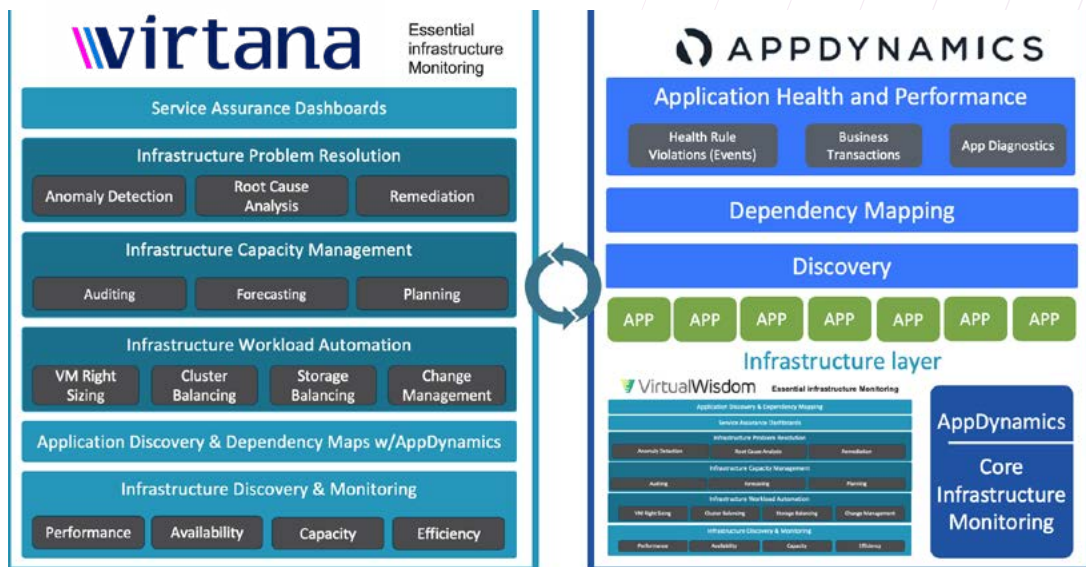VirtualWisdom covers from the Compute to Network to Storage

The Architecture

Virtana IPM ingests AppDynamics application to compute dependencies, to align and validate application specific infrastructure topologies for shared context. The capacity to correlate how dynamic workloads use and impact infrastructure is fundamental to assuring application performance. The ability to see the cause of slowdowns, whether from resource contention, noisy neighbours, or I/O congestion, are critical insights Virtana IPM provides. This directly leads to dramatic improvements in identification and proactive resolution of performance problems. Integrating AppDynamics and Virtana IPM provides robust end-to-end visibility of application and infrastructure performance to reduce or eliminate issues and deliver an optimal customer experience.

The Integration

AppDynamics and Virtana IPM leverage shared API calls to exchange key information about the application topology and critical health data, then present it within the Virtana IPM UI. Operational teams can then 'click-through' the Virtana IPM UI to bring up the Application view in AppDynamics delivering on the promise of shared context.

The two platforms use extensive AI/ML to deliver on the goal of AIOps for true, end-to-end coverage of the entire environment. The integrated solution provides a unified, enterprise class monitoring solution capable of massive scale.

Virtana IPM's AI-based insight into infrastructure complements AppDynamics fastest growing APM solutions.

The Value

Together, Virtana and AppDynamics provide the ability to proactively prevent Severity1 incidents, significantly reduce the MTTR when events do occur, and transforms the traditionally combative IT war-rooms into a collaborative team discussion centered on mutually approved empirical evidence.

> The integration of AppDynamics and Virtana gives us a shared source of truth, a combined approach that enables us to be proactive and even predictive in delivering both platform and infrastructure performance, ensuring we are delivering the optimal client experience and not caught reacting to unforeseen issues.
>
> **Peter Argumaniz,** Vice President of IT, RealPage