SteelCentral Aternity for Desktop and Application Virtualization

Complete visibility ensures successful virtualization outcomes

The Business Challenge

Desktop and application virtualization benefits, such as improving flexibility, operational efficiency, and control, won’t matter if enterprises cannot maintain excellent application performance. The challenge is that virtualization disrupts the traditional relationship between applications, physical hardware, operating systems, and presentation layers. Without comprehensive visibility into application performance as experienced by their end users, VDI administrators, IT operations, and application owners lack the critical insight needed to effectively plan, manage, and troubleshoot Citrix, VMware, or Microsoft virtual environments.

The Riverbed Solution

Riverbed® SteelCentral™ Aternity monitors the performance of any business transaction within any packaged or custom application, and correlates it with the key performance indicators of the underlying desktop virtualization. With SteelCentral Aternity, VDI architects, app owners, and IT Ops can effectively plan desktop and application virtualization migrations and troubleshoot problems across all layers of the infrastructure.
Illuminating the Four Virtual Desktop Blind Spots

SteelCentral Aternity closes the VDI visibility gap by illuminating the four primary virtual desktop blind spots: client side latency, host resource availability, application execution time, and infrastructure latency.

Guarantee Optimal Service Quality of Applications Delivered over VDI

SteelCentral Aternity provides a single, consistent approach for IT Operations to ensure quality of service for any application running in the VDI environment.

- Correlate application performance to the underlying VDI infrastructure, including the remote display, hypervisor, and network/infrastructure, to isolate problem areas
- Compare the performance of applications across geographies, data centers, and devices to optimize performance
- Proactively detect and analyze incidents by severity, impacted users, and business locations, to prioritize response

Prioritize problem resolution to where the impact is greatest, by monitoring the recent performance of any app, understanding the severity and impact of app problems by location, department, or region, and drilling down to troubleshoot the most urgent issues.
Assess the Impact of Virtualization Migrations on Performance

SteelCentral Aternity enables application owners and business executives to determine the impact of desktop or application virtualization deployments on workforce productivity, not just on CPU, memory, or I/O performance:

- Validate SLAs are being met by analyzing business activity performance across all applications by geography, department, and data center
- Analyze differences in performance and SLA compliance for business activities executed on physical devices and virtual desktops or virtual app servers
- Cost justify the desktop or application virtualization investment by reporting the financial impact of lost productivity

Assess the impact of virtualization on end-user experience, by comparing the performance of critical applications, by business activity performance as seen by the end user, and by SLA conformance across physical and virtual desktops.

Prove the reliability of desktop and application virtualization by analyzing SLA compliance for key business activities on every app across departments, device types, or geographies.
Isolate Performance Problems in the Underlying VDI

With SteelCentral Aternity, IT Operations can monitor the end-to-end performance of the primary components of virtual desktop infrastructure to rapidly identify and resolve issues.

- Monitor client-side latency, application execution time, host resource allocation, and infrastructure latency
- Trend virtual desktop performance KPIs such as hypervisor, remote file share, and virtual machine performance
- Track remote display latency by VDI server and data center to identify problems and impacted users by geography or business location

Diagnose problems in the virtual infrastructure by trending remote display latency protocols, analyzing response by the end users’ locations and device metrics, and correlating application performance to the virtual system users are accessing.

Get Started Today

Riverbed SteelCentral Aternity ensures the reliability of any business-critical application, running on mobile, virtual, and physical devices. SteelCentral Aternity can be deployed on premise or in the cloud, enabling customers to get up and running fast, with no major capital investment, hardware provisioning, or server deployment. Watch this short video: https://youtu.be/m0ThoN9Bx6w to learn more about SteelCentral Aternity’s solution for Desktop and Application Virtualization. Register to qualify for a free product evaluation: https://www.riverbed.com/trialdownloads.html.

Related Products

Riverbed SteelCentral AppResponse: Network-based application performance management (APM) solution that correlates front-end Citrix user sessions to corresponding back-end application transactions to quickly pinpoint the cause of performance problems.

Riverbed SteelCentral Packet Analyzer: Accelerate troubleshooting via deep packet-level analysis of virtual desktop traffic and track individual virtual channel activity such as keyboard, mouse, and video.

About Riverbed

Riverbed Technology, the leader in application performance infrastructure, provides the most complete platform for the hybrid enterprise to ensure applications perform as expected, data is always available when needed, and performance issues can be proactively detected and resolved before impacting business performance. Learn more at riverbed.com.