



10 Steps

to Better Application and Network Performance

As a Network Operations professional, you know how hard it is to ensure optimal application performance when juggling network, application, and infrastructure performance and end-user experience. As application workloads are migrated to multi-cloud infrastructure, assuring availability and identifying the cause of application slowdowns are more difficult than ever.

You need insights to maximize performance and deliver superior user experience, wherever they are—not inefficient troubleshooting, longer time to resolution, and lack of application intelligence.

But you can stay ahead.

Follow these 10 steps to maximize the performance of your applications and underlying network infrastructure.

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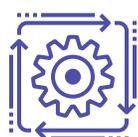
01: Pinpoint the problem

Voice, video, and social media traffic can drag your network performance down. Evolving application architectures, increased network latency and encrypted web application traffic require sophisticated monitoring tools that can track holistic performance across your hybrid infrastructure by application, location, and user. Then, you can quickly and accurately identify the source of any problem.



02: Fix issues before they become problems

No one likes finding out about performance problems from end users. New application frameworks using containers and microservices have created multi-dimensional data flows prolonging incident resolutions. Incorporate AIOps capabilities to collate and correlate volume, velocity and variety of datasets to respond proactively even before users notice.



03 Integrate and automate infrastructure management

Move beyond identifying performance problems and managing disruption incidents. Fully integrate and automate critical network management functions like monitoring and change management, as well as network audits, real-time topology, and inventory management.



04: Get proactive about cybersecurity

Organizations are moving towards zero trust networks. Cyber threat hunting, incident forensics, threat intelligence and real-time network security analytics are key for detecting disruptions in performance, like zero-day threats, and unauthorized intrusions across the network.



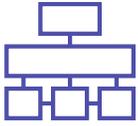
05: Assure cloud performance

The primary reason to manage network performance is to ensure users can access their applications in a timely manner. Multi-cloud IaaS creates visibility blindspots for Cloud Ops which can be effectively solved with packet and flow monitoring. Ensure better user experience and maximize business productivity with end-to-end monitoring across the hybrid infrastructure.



06: Consolidate your tools

Less is more. A good performance management solution can consolidate the number of tools you use to monitor and troubleshoot your network, applications, infrastructure, and end-user environments, and provide a single, integrated view across domains.



07: Understand the dynamic context of each business service

It is critical to understand business dependencies on applications and infrastructure during service migration for digital transformation. Modeling a business service by automated mapping of its components—users, locations, application servers, authentication services, web servers and traffic between services—are critical to assure business continuity.



08: Monitor performance SLAs of SaaS applications

Service level agreements are even more critical as organizations implement SaaS applications, which they do not have direct control over. IT needs visibility to measure and ensure vendors adhere to the agreed upon levels of service. Synthetic monitoring provides insights into availability and performance of SaaS applications to hold vendors accountable.



09: Help IT Ops manage hybrid environment

Align your teams to drive coordinated action. Employ comprehensive service dashboards across hybrid and multi-cloud infrastructure with role-based access for a common, integrated view of all component data. With access to the same data, everyone can respond quickly and strategically based on a unified understanding.



10: Plan for the future

Look ahead: Will there be new services rolling out? Will you be using more cloud services and mobile apps? What's your rate of adding new end users? By asking such questions in advance, you'll be able to better align your network and IT resources with your business' evolving priorities. Establish a clear picture of what's currently happening on your network today so you can better plan for tomorrow.

Learn More

With end-to-end visibility and actionable insights, **Alluvio Network Performance Management** makes it easy to ensure applications and network perform better across your cloud-ready hybrid enterprise. To learn more, [click here](#).



Riverbed – Empower the Experience

Riverbed is the only company with the collective richness of telemetry from network to app to end user that illuminates and then accelerates every interaction so that users get the flawless digital experience they expect across the entire digital ecosystem. Riverbed offers two industry-leading solution areas – Alluvio by Riverbed, an innovative and differentiated Unified Observability portfolio that unifies data, insights, and actions across IT, so customers can deliver seamless digital experiences; and Riverbed Acceleration, providing fast, agile, secure acceleration of any app over any network to users, whether mobile, remote, or on-prem. Together with our thousands of partners, and market-leading customers across the world, we empower every click, every digital experience. Learn more at riverbed.com.