

Quinnox's performance testing helps **reduce the merchandise delivery** turnaround time for an **American shopping mall-based specialty retailer**

One of the key challenges that our customer faced was high latency in data intensive design file transfers from the PLM Application hosting site to suppliers across US, Middle East and South East Asia Pacific. The turnaround time of the merchandise delivery was impacted, which resulted in a delay in downloading the design files, leading to dissatisfied customers. Our customer wanted Quinnox to determine an optimal bandwidth speed for downloading design files.

Quinnox created test scenarios for various bandwidth (viz. 1.5 MBPS, 3 MBPS, 4.5 MBPS, 6 MBPS, 10 MBPS, and 15 MBPS) and set up testing instances, which were hosted Load Runner licenses on Cloud platform for Singapore, Japan, United States, and Brazil. We conducted Performance Testing to capture the response time of the application to download a file at a certain bandwidth. Endurance testing of 8 – 12 hours was performed to identify the processing load and application performance under continuous stress for multiple time zones, and an optimal bandwidth was identified.

### The Bottom Line Benefits



- Reduced merchandise delivery turnaround time due to the faster time to download files
- Approximate savings of \$100,000 on tool, infrastructure and licenses due to the use of Cloud platform
- Identified predictable durations for file download based on subscribed bandwidth speed
- Knowledge repository for faster resolution of issues faced while downloading the files across multiple hosting sites