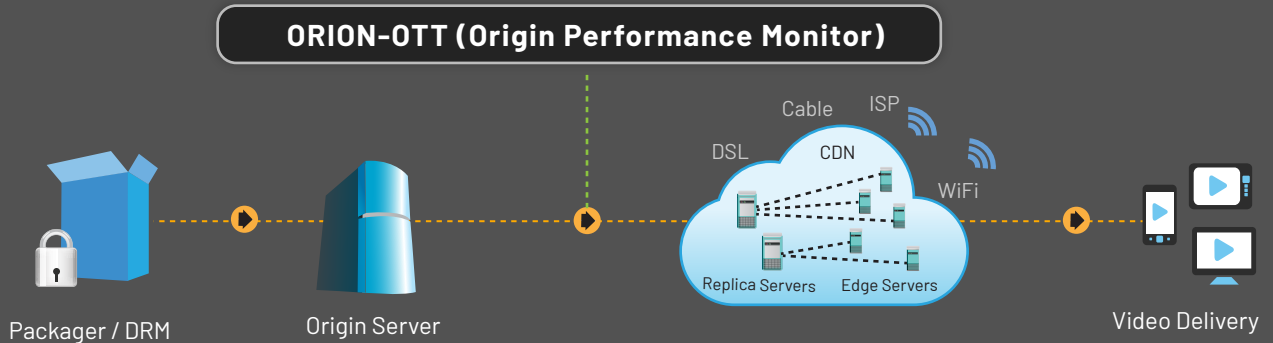




ORION[®] – OTT

Origin Performance Monitor

Any latency in data served by the Origin servers can lead to interruptions during video playback on end-devices. Passive monitoring is crucial to ascertain the root cause for delays, it is crucial to measure how well the Server is servicing requests from the CDN. ORION[®]-OTT Origin Performance Monitor (OPM) performs server-side passive monitoring and passes on the information to the centralized monitoring platform for a complete picture of the OTT workflow, thereby pointing out any server-side issues in the OTT delivery chain.



Server-Side Passive Monitoring using ORION-OTT Origin Performance Monitor

Interra Systems' ORION-OTT Origin Performance Monitor (OPM) is a passive monitoring, web-based enterprise level solution for monitoring the performance of origin servers. It captures all the response messages to or from the origin server and provides meaningful metrics from the gathered data. The metrics include information, such as average response time, bandwidth served, number of requests served per requests received, HTTP response codes etc.

The collected information is then monitored to validate the performance of the origin server and drilled down to the root cause of performance issues.

This solution extends to ORION Central Manager, an advanced centralized monitoring platform that collects data from multiple points and builds a complete end-to-end picture with meaningful insights.

Key Features

Intuitive UI with Drill Down Capabilities

ORION-OTT OPM has a rich user interface with real-time views of the overall monitoring information based on all the quality metrics. The web-based interface of OPM allows remote monitoring through any browser-enabled device giving users a comprehensive monitoring and reporting tool at their fingertips.

Rich Reporting Capabilities

ORION-OTT OPM offers web-based drill down reporting mechanism that details out monitoring information for each individual request served in statistical and graphical manner. The comprehensive report view gives users an option to view the historical reports for a particular time and duration. For example, you can view a report for all the quality metrics run over last 24 hours.

Configurable Alerts

Using ORION-OTT OPM, you can setup alerts for different quality metrics and receive notifications during performance monitoring of the origin server. The alerts can be defined with respect to the available KPIs as well as for all the conformance checks. For example, you can setup an alert for cases where Average Time to First Byte is greater than a threshold for a persistent duration. Such real-time alerts help in identifying and resolving issues at the earliest.

Manifest Conformance Checks

ORION-OTT OPM performs parsing and conformance checking of manifest files.

Key Performance Indicators

ORION-OTT OPM monitors performance based on the following list of key performance indicators (KPIs):

- Average response times and bandwidth served
- Number of requests served, total bytes served
- Server availability - Requests served per requests received
- HTTP response codes



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