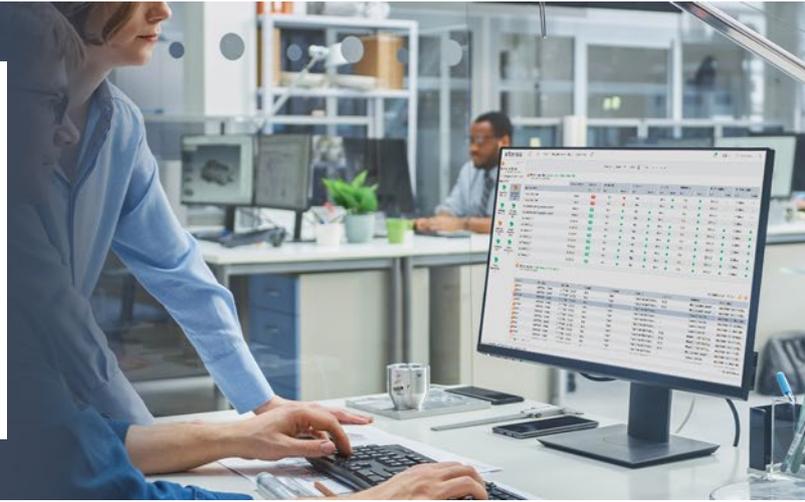


DATA SHEET

Ativa™ 5G Core Monitoring Solution



Quickly leverage advanced 5G network capabilities

Through the **5G Core Monitoring Solution Package**, Infovista Ativa™ enables network operators to intuitively visualize and troubleshoot quality of experience (QoE), service quality and network performance in 5G core networks. The solution package improves network reliability, reduces time-to-resolve, enhances network slice service level agreement (SLA) performance, and improves QoE.

Operators use the 5G Core Monitoring Solution Package to monitor and correlate degradations of QoE with the underlying network components, identify and resolve the root-causes of problems and proactively manage and prioritize troubleshooting for network alarms.



The solution package enables a detailed analysis of 5G edge protocols/interfaces performance, complemented with 5G core service-based architecture (SBA) quality views and user plane traffic analysis.

Providing the network view of performance indicators for proactive service assurance, and rich 5G network and service performance analysis fully interconnected with troubleshooting tools for root-cause analysis (RCA).



Business challenges addressed by the solution package

Current network and service monitoring solutions limit the operator’s ability to visualize and proactively manage their operations with a focus on the customer, resulting in poor customer experience, high OPEX, the reliance on multiple ‘silo’ assurance systems and an inability to respond quickly to changes in network usage and performance. Some typical challenges are listed below:

Siloed monitoring tools	Monitoring tools are designed for specific network domains, and often used by separate teams, resulting in the lack of a comprehensive, correlated view of voice service experience, application performance and network resource performance.
Shortage of correlation to customer experience	Network monitoring tools traditionally provide network specific KPIs in an isolated way, such as resource availability, utilization, and throughput. These do not translate directly into an understanding of customer experience, as perceived by the users themselves.
Lack of readiness to support SLA guarantees	Traditional troubleshooting tools are designed for static, simple network topologies, in which the root-cause of an issue can be isolated with lack of extensive investigation. Today, the fluidity of programmable network topologies and interdependencies across infrastructure, network functions and services has rendered these unfit for purpose. This is particularly true when faced with stringent SLA criteria that places direct monetary value on the ability of the communication service provider (CSP) to isolate and resolve problems.
Manually intensive, increasingly complex operations	Enterprise SLAs are often defined in a way that does not directly translate to the KPIs of the network, service, and experience monitoring tools. This adds manual effort to the assignment of priority for problems, and leads to increased time taken to resolve problems, increasing the risk of SLA breaches.
High infrastructure resource workload	Visualizing customer experience at scale is increasingly resource-intensive, both in terms of the monitoring tools themselves and the workload placed on the underlying infrastructure, with knock-on effects on compute capacity utilization and costs.

The 5G Core Monitoring Solution Package addresses these problems with an end-to-end view of 5G customer experience, with cross-domain correlation and guided workflows for rapid problem identification, RCA and resolution.



Key features of the solution package

The solution package includes pre-configured dashboards, KPIs and analytics / troubleshooting capabilities specific to 5G core networks, including:

Dashboards and reports

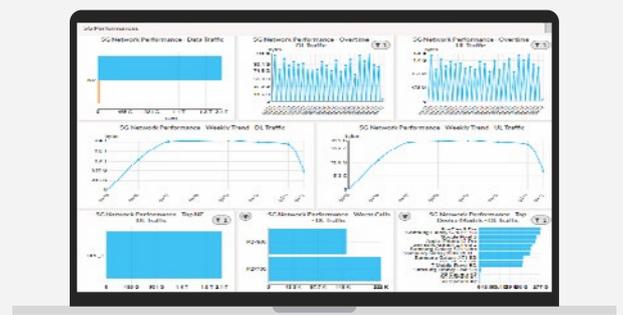
5G service dashboards showing 5G network and service KPIs that can be filtered by device types, network element types, locations, operation types and others. They summarize KPIs including success and failure rates, throughput, accessibility, speed and procedure durations. These dashboards include:

- 5G SBI quality dashboards
- 5G traffic performance dashboards
- 5G edge performance dashboards
- 5G slice performance dashboards
- 5G device quality dashboards
- 5G user plane summary dashboards



5G alarm dashboards that provide real-time awareness of network alarms, and prioritizes these based on customer impact, with guided workflows for further investigation and troubleshooting.

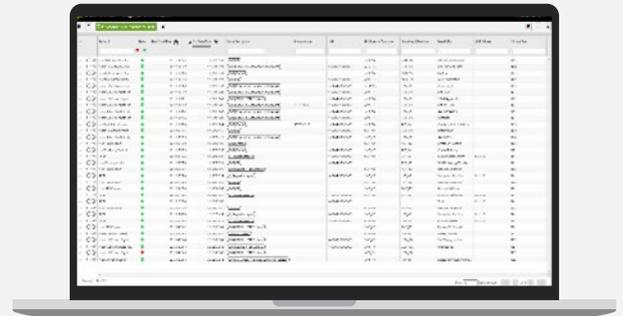
Interactive reports that enable faster isolation of problem areas or focus areas, by filtering dashboard views from any combination of factors, such as device types, subscriber types, response times, procedure types.



Analytics and troubleshooting

End-to-end tracing tools, providing a single solution for analyzing multi-service and multi-protocol 5G network environments from a single pane of glass. Features include:

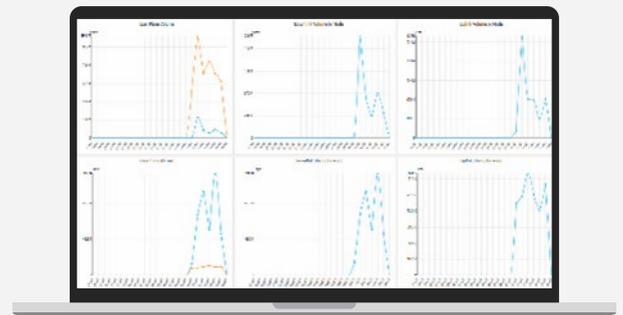
- Support for cross-protocol correlation for the rapid identification of problems and root-causes
- Support for drill-down analysis across user plane, control plane, transport and security plane data
- End-to-end session tracing, regardless of access point or service delivery method



KPIs and interfaces

Comprehensive 5G standalone (5G SA) interface support, including all SBI interfaces, protocols and monitoring points, supporting:

- Access and mobility
- User plane
- CUPS
- Authentication and policy
- Roaming
- Database and access management
- NWDAF
- Charging and billing
- Network slice management
- Network function registries
- Stolen device databases
- User equipment location tracking and public emergency
- UE location tracking and public emergency broadcasts



About Infovista

Infovista is the global leader in network lifecycle automation (NLA) for the next-gen networks era. With its unique NLA approach, Infovista allows communications service providers (CSPs) and enterprises to improve their network performance and customer experience, optimize their productivity, and reduce their costs, while maximizing return on their investments. Spanning the entire network lifecycle, Infovista's products and solutions leverage an open, integrated, cloud-native portfolio that automates tasks, flows, analytics, and decisions to the greatest extent possible. More than 1,500 customers, including 400 mobile network operators, around the world rely on Infovista to plan, design, deploy, test, operate, support, optimize, evolve, report on and monetize their networks.