



Network Lifecycle Automation

An overview

As MNOs, 5G presents you with a seemingly unsolvable conundrum: how to focus on deploying and investing in the future – network slicing, ultra-low latency, industry 4.0 – while continually improving operations for 4G, the technology on which your customers still depend.

That's where automation can help. By automating manual tasks associated with daily 3G and 4G operations, you can focus on deploying the future, faster.

Network Lifecycle Automation

Networks traffic loads are at record highs. At the same time, operators are moving into more complex and dynamic cloud environments. And everyone is preparing for 5G.

In parallel, the introduction of network slicing brings the need to handle new enterprise services faster, at scale and with greater coordination to continuously fulfil SLA requirements and deliver excellent customer experience.

But how can you focus on deploying and investing in the 5G future – network slicing, ultra-low latency, industry 4.0 – while continually improving operations for 4G, the technology on which your new customers still depend?

By automating the workflows and operations between and within the various phases of the end-to-end lifecycle, you can break out of this seemingly unsolvable quandary. Automating manual tasks associated with daily 3G and 4G operations allows you to focus on deploying your 5G future, faster.

The answer lies in network lifecycle automation – or NLA.

Clearly the need for simplification and control has never been stronger.

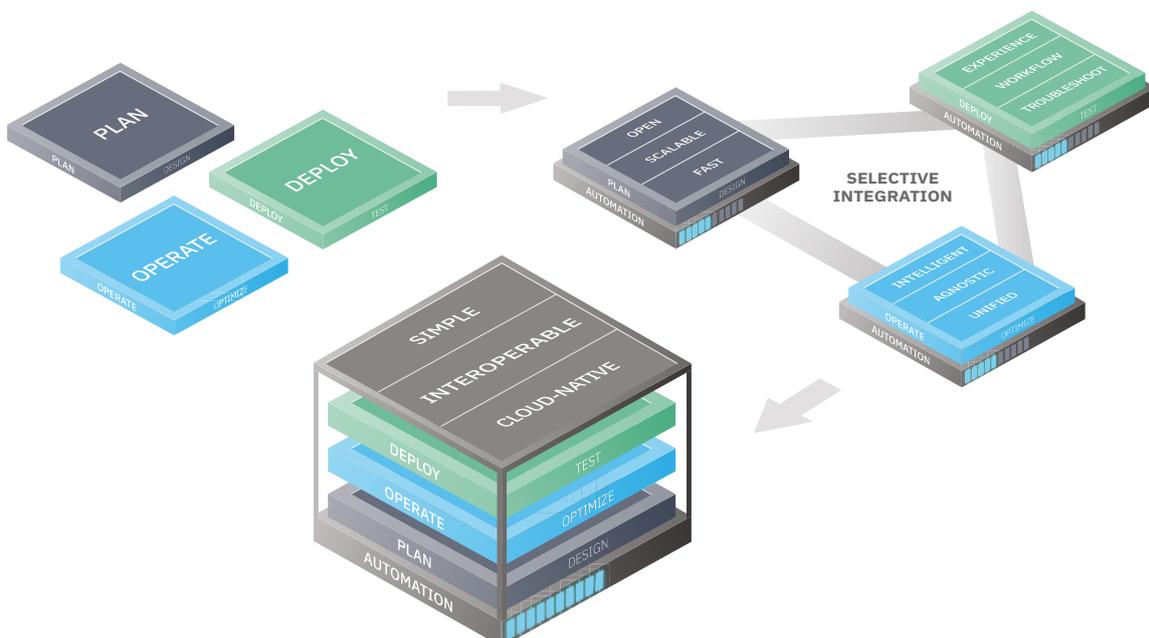
NLA the Infovista way

Designed to drastically reduce complexity and improve productivity, Infovista’s NLA technology brings automation to planning, deploying and operating 5G and legacy networks, lowering the costs of operating legacy networks and outages, while reducing time to market for 5G.

Infovista’s network lifecycle automation fulfils our mission to make operators successful in their 5G, cloud and NFV/SDN journey. Offering a new generation of operational solutions where network and services are managed efficiently throughout the network lifecycle, we use analytics and automation as the main techniques for achieving better and faster processes while optimizing costs.

Automate your network. Deploy 5G with confidence.

As we focus on the **planning, deployment and operation** phases. Infovista can help you automate your network to:



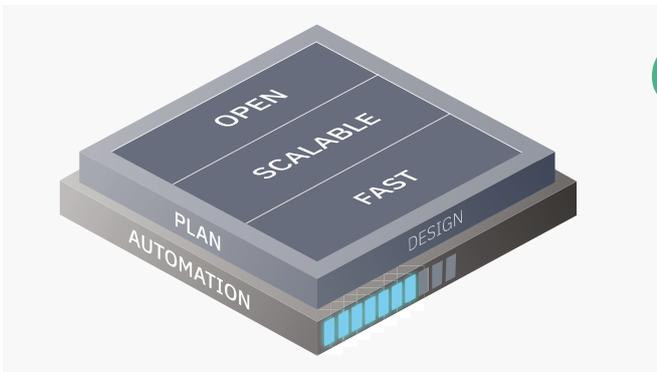
Plan

Optimize CAPEX. Act in hours not weeks.

During the network lifecycle, strategic decisions significantly impact on infrastructure investments and ROI. How do you make the right decisions in your 5G rollout plan, ones that don't waste time or risk investment in projects that won't pay off?

Whether you're deploying 5G features over existing 4G layers, acquiring new spectrum or addressing increased capacity demand, Infovista's automated planning solutions equip you to compare, report and reach cost-efficient RAN deployment decisions, faster.

- Leverage automation to model precise RAN deployment scenarios and make data-backed decisions for the highest 5G payoff.
- Speed up planning decisions to reduce time-to-market, optimize site CAPEX and make confident RAN investments
- Solve RAN capacity limitations – new spectrum, new cells or tap legacy. Make the best choices with tools to predictively quantify and anticipate outcomes before you make critical decisions.



“As we accelerate the rollout of 5G services in the country with new cities being covered, we want to ensure we deliver best-in-class experience in the locations of our customers and to better serve them.”

Abdulahman Al-Mufadda,
Chief Technology Officer | Zain

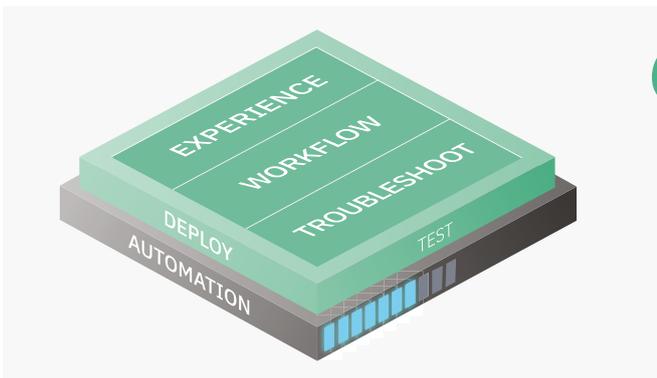
Deploy

Verify 5G sites. 5x faster. 40% lower OPEX in 3 years of automation.

Deployment is when the metal hits the road; where planned investment is turned into instant business value, and everything must work correctly the first time. After being involved in deployment projects all around the world, we've learned from best practice to focus on the end customer, not the technology.

Like all new technologies, 5G will affect services in different ways, so it's essential to closely monitor changes to customers' experiences, whether that's what voices sound like over the new tech, online game performance or whether Teams still works. But it's equally important to ensure your legacy customers don't experience degradation either.

- Ensure premium customer experience at all stages of the 5G deployment.
- Replace manual processes with best-in-class workflows.
- Streamline 4G operations. Dedicate your teams to launching new services.



“Infovista makes true automation across the network lifecycle simple. TEMS Paragon solutions mean drive testing substantially increases efficiency, literally overnight.”

Hakan Ekmen,
Chief Executive Officer | umlaut communications

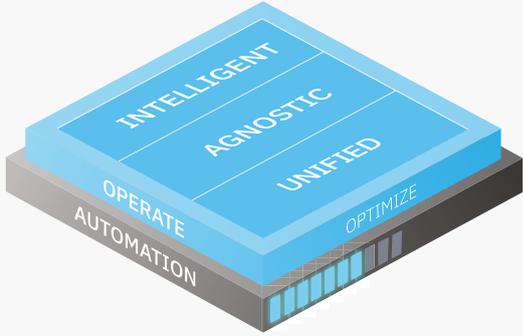
Operate

Eliminate 70% of manual processes. Focus on new 5G services.

Once your network is ready, how can you drive OPEX savings and ensure 5G services are introduced successfully?

For your next generation of operations, certain capabilities are essential in your solution. Whether it's proactive identification of customers impacting network degradation problems, continuous prioritization of issues based on business impact, or automation workflows for fast resolution turnaround, we've got you covered.

- Prioritize innovation and control OPEX by automating daily repetitive tasks.
- Introduce new 5G business models with E2E SLA control.
- Make smarter decisions with AI and machine learning insights.



“ Vista Insight Mobile provides unique versatile monitoring automation and drill-down capabilities into our complex multi-vendor and multi-technology infrastructure. ”

E. Kiselev,
Swap Project Director | Nokia

Use cases

Deploy the future, faster.

End-to-end SLA automation

We offer a single, end-to-end network infrastructure solution for all service-level agreement (SLA) management tasks, flexible service modelling, multi-tenancy, report access control and integration with billing for enterprise services charging as well as active SLA assurance, with periodic slice/ service quality testing and trigger healing, optimization and planning actions.

Streamlining network inventory and configuration

Network lifecycle automation twin technology consolidates network configuration activities into a single, automated workflow that brings discovery, design standardization, homogeneity, guaranteed connectivity and scalable compliance management of complicated radio, transport, core and IT networks. Agnostic, standardized and scalable mobile networks configuration enables high homogeneous service quality while paving the way for the deployment of new, cloud based and microservices focused networks.

Automated RAN diagnosis and optimization

5G brings unprecedented complexity to mobile network deployment and management but does nothing to relieve the burden of maintaining the quality of service of existing 2G, 3G and 4G network layers. Automation of RAN diagnosis and optimization processes expedites the daily troubleshooting of legacy technologies and frees up skilled engineers to focus on the new challenges of 5G.

Service assurance

With our network and service management solution, you can unify your operations for radio, x-haul, core and cloud, including not only PM, FM and Inventory functions, but also customer experience and application monitoring, for true end-to-end service quality assurance.

Why Infovista?

Strong SLA monitoring and ready for B2X models:

flexible service modelling, multi-tenancy, report access control and integration with billing for enterprise services charging.

Multi-level correlation for fast troubleshooting:

mapping both physical and logical resources to services, functions and geographies for service-oriented navigation and customer impact analysis.

Integrated offering covering planning, network operations, testing and optimization activities that can automate tasks, flows, analytics and decisions across network lifecycle activities while enabling the cloud-native OSS evolution.

Cloud native platform:

Containerized application services offering an integrated assurance stack such as automated network discovery and inventory, performance and fault management functions, data import and export with open APIs.

Performance at scale: supporting billions of transactions per day used to manage networks including a top-three CE provider in the US, the largest wireless operator's backhaul network and the largest private network in the world.

The top-5 business benefits of Network Lifecycle Automation

1. Shorter deployment time of 5G services and virtualization
2. Manage complexity and offload 2G, 3G and 4G work through automation
3. Increase team productivity and agility with improved workflows
4. Improve QoE for customers and IoT devices
5. Maximize 5G revenue opportunities and overall network ROI

About Infovista

Infovista, the leader in modern network performance, provides complete visibility and unprecedented control to deliver brilliant experiences and maximum value with your network and applications. At the core of our approach are data and analytics, to give you real-time insights and make critical business decisions. Infovista offers a comprehensive line of solutions from radio network to enterprise to device throughout the lifecycle of your network. No other provider has this completeness of vision. Network operators worldwide depend on Infovista to deliver on the potential of their networks and applications to exceed user expectations every day. Know your network with Infovista.