

CASE STUDY

TV Nova Brings Deep Observability to the Network That Carries Live Television



For years we could only estimate what was really moving across our network. Now with the Gigamon Deep Observability Pipeline, we have complete visibility and every security tool gets exactly the traffic it needs, without a change on production switches each time.

NETWORK & SECURITY TEAM LEAD
TV Nova (CME Group)

CHALLENGES

- Limited visibility into lateral east-west traffic
- Scarce mirror capacity on production switches
- Operational risk and maintenance windows when adding security sensors
- Growing NIS2 compliance requirements
- Need for a repeatable architecture across CME television markets

CUSTOMER BENEFITS

- More consistent visibility into network traffic
- Sensor deployment reduced from up to four weeks to hours, without changes to production switches
- Up to 94 percent traffic reduction during POC testing, improving downstream tool efficiency
- Network-derived evidence supporting NIS2 compliance efforts
- Repeatable architecture designed to extend across CME television markets

SOLUTION

- Gigamon Deep Observability Pipeline
- GigaVUE® HC Series
- GigaSMART®
- GigaVUE-FM fabric manager

About Customer

TV Nova is the leading commercial broadcaster in the Czech Republic and part of CME, a leading media and entertainment group in Central and Eastern Europe. Its network carries live television alongside its own corporate IT 24 hours a day, where even a brief disruption can affect live broadcasts. To see and validate what is really happening across that network, TV Nova deployed the Gigamon Deep Observability Pipeline.

Business Challenge

From Blind Spots to Unified Network Visibility

The Network and Security team could not reliably answer a fundamental question: who communicates with whom, where, and how much, particularly across lateral east-west traffic. Individual security tools had only a fragmented view, leaving the team without unified visibility across the network.

At the same time, mirror capacity on the core switches was becoming scarce, and adding a new sensor typically required another change to production switches supporting live broadcasts around the clock. Even a brief disruption could result in a black screen for a national television audience.

As NIS2 raised cybersecurity requirements across the sector, TV Nova needed greater confidence that its security controls had visibility into the network activity they were designed to protect. Network visibility became an important foundation for supporting the organization's broader compliance efforts.

Resolution

TV Nova selected the Gigamon Deep Observability Pipeline to provide a scalable visibility architecture that could support its NIS2 compliance efforts and be replicated across CME countries with television operations, while providing a predictable five-year cost model.

The Gigamon Deep Observability Pipeline receives a copy of the traffic from the busiest and most security-relevant parts of the TV Nova infrastructure, removes duplicate and unnecessary traffic, and efficiently delivers the appropriate network-derived telemetry to its security and analytics platforms. Where a tool requires full packets, the Gigamon Deep Observability Pipeline delivers complete packet data.

The architecture can extend to additional parts of TV Nova infrastructure while providing a repeatable design for adoption across other CME television markets.

Benefit

From Network Changes to Faster Operations

With the Gigamon Deep Observability Pipeline, TV Nova can add new security and analytics tools by configuring the pipeline rather than changing production switches. The team can complete this work during normal business hours, without the change-management and scheduled maintenance-window requirements that previously meant adding a sensor could take anywhere from several days to approximately four weeks. Targeted packet capture has similarly gone from a small project requiring a switch change to a routine task completed in minutes.

Detection platforms now receive a consistent view of network traffic, while GigaSMART capabilities such as de-duplication and packet slicing reduce duplicate and irrelevant traffic sent to downstream tools. During TV Nova's proof-of-concept deployment, de-duplication alone reduced traffic volume by approximately 67 percent. Combined with packet slicing, total traffic reduction reached as much as 94 percent, helping TV Nova make more efficient use of tool capacity and licensing while increasing the value of its existing security investments.

The architecture also provides network-derived evidence that helps TV Nova validate that its detection tools have visibility into the network traffic its security controls are designed to monitor, supporting the organization's broader NIS2 compliance efforts.

What's Next

TV Nova continues to extend the deployment to bring the same level of visibility to more of its infrastructure. As the number of applications and services hosted in the public cloud continues to grow, the architecture can also help TV Nova maintain consistent visibility across its expanding environment. The validated design provides a repeatable blueprint that can be adopted across other CME television markets.

For the TV Nova team, packets provide an independent source of truth. Logs can be incomplete and agents may not always be present, while network-derived telemetry provides direct evidence of communications across the infrastructure that complements other forms of telemetry.

For a team responsible for keeping television and corporate services running around the clock, success demands nothing interrupts the experience.

About Gigamon

Gigamon® delivers an AI-powered Deep Observability Pipeline that provides network-derived telemetry to cloud, security, and observability tools. With AI-driven insights across packets, flows, and application metadata, organizations gain complete visibility into all data in motion to detect threats concealed in encrypted and lateral traffic, resolve network and application performance issues, and validate compliance while reducing operational cost and complexity. Gigamon is trusted by 4,000+ organizations, including 83 of the Fortune 100 and hundreds of public sector agencies and educational institutions.

To learn more, please visit gigamon.com.



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