

Case Study

Prague City Hall Corrects Traffic Inspection Flaws — and Bolsters Network Security — with Gigamon



Gigamon gives us insight and visibility into our network infrastructure and has improved our readiness for further processing of mirrored traffic.

IT PROFESSIONAL
Municipality of Prague

Challenges

- Only a fraction of network traffic volume could be inspected
- Limited placement options for sensors created blind spots
- Inspection of irrelevant traffic strained resources
- Insufficient ports made it difficult to secure additional devices

Solution

Gigamon Deep Observability Pipeline

Customer Benefits

- Broader insight and visibility into the network infrastructure without extending the existing security technology license
- Readiness of the network infrastructure for further processing of mirrored traffic
- Selective management of traffic type bound for security inspection, operational monitoring or recording

Prague City Hall spans several locations and datacenters and operates an extensive network infrastructure. To protect against cyberthreats and for deep observability, the sprawling municipal authority uses deep packet inspection technology.

However, network administrators struggled with deficiencies in the existing traffic inspection, including:

- Security technology licenses limited throughput, so only a fraction of the total volume of traffic could be inspected
- Limited options for security sensor placement resulted in inadequate coverage of segments that required monitoring
- Irrelevant traffic was being sent to inspection tools, placing unnecessary strain on resources
- A lack of ports made it difficult to facilitate traffic mirroring of additional devices

Ultimately, the overall volume of traffic that could be inspected didn't meet the city's required threshold to secure the network.

Solution

Corpus Solutions, a leading provider of cybersecurity solutions that was tasked with modernizing the City of Prague's network infrastructure and security requirements for traffic processing, chose the Gigamon Deep Observability Pipeline to meet these primary objectives for the City Hall upgrade:

- Inspect a much larger portion of the network traffic with existing security technology licenses
- Cover a wider range of network segments
- Focus on relevant traffic
- Facilitate traffic mirroring for devices without requiring optimal configuration for each instance

Results

The Gigamon Deep Observability Pipeline supports effective use of the organization's security technology licenses, covering the entire spectrum of the network infrastructure under the available licenses.

Network administrators can selectively manage which type of traffic is to be inspected and remove unnecessary content, complete de-duplication and mask sensitive information before sending it to monitoring tools. And they've gained significant insight into the virtualized infrastructure and can now monitor flows that do not leave hypervisor environments.

Additionally, the platform was fully compatible with existing network and security infrastructure and was simple to deploy, which was one of the reasons Corpus Solutions chose it.

Plus, it is highly scalable, so it can support the Prague City Hall and the growth of its datacenters well into the future.



Prague City Hall is formed by the Chief Executive of Prague City Hall and other employees of this municipal authority. The Chief Executive of Prague City Hall is the head of Prague City Hall. In its autonomy, Prague City Hall performs tasks assigned by the Prague City Assembly or Prague City Council. It also exercises delegated powers of the capital city.

The Customer is Satisfied

The order for the installation and configuration of the Gigamon device (part of the secure network project) was successfully implemented, according to a certificate issued by the Prague City Hall.

The analysis of the location, installation and configuration of the delivered equipment was successful. The goal was thus achieved in the form of creating a secure integration platform (packet broker) between network elements of the infrastructure, operational security tools requiring data from network traffic and the VMware virtualization platform, states the Department of Informatics Infrastructure of the Prague City Hall.

“The subject of the above-mentioned contract was performed and delivered properly, professionally, within the required deadlines and fully accepted by the client,” confirmed Jiří Károly, Director of the Department of Informatics Infrastructure of the Prague City Hall.



Corpus Solutions, established in 1992, is a leading Czech provider of cybersecurity solutions. The company follows the latest technology trends and continuously grows the expertise of its delivery team.

About Gigamon

Gigamon offers a deep observability pipeline that harnesses actionable network-derived intelligence to amplify the power of observability tools. This powerful combination helps IT organizations to assure security and compliance governance, speed root-cause analysis of performance bottlenecks, and lower operational overhead associated with managing hybrid and multi-cloud IT infrastructures. The result: Modern enterprises realize the full transformational promise of the cloud. Gigamon serves more than 4,000 customers worldwide, including over 80 percent of Fortune 100 enterprises, nine of the ten largest mobile network providers, and hundreds of governments and educational organizations worldwide. To learn more, please visit gigamon.com.



Worldwide Headquarters

3300 Olcott Street, Santa Clara, CA 95054 USA
+1 (408) 831-4000 | gigamon.com

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