

Safe Prague: Whalebone Immunity protects the camera system, street lighting, and traffic signals of the capital



The city-owned company Technology of the Capital City of Prague (TCCP) keeps the metropolis glowing: it manages all 136,000 street lamps, bathes landmarks in light, and operates the smart traffic lights and cameras that keep Prague's streets safe.

Each lamp post is becoming a smart hub that saves energy, monitors traffic and will soon charge electric vehicles — delivering light, oversight and innovation through a single network **now also secured by Whalebone Immunity.**



Challenge

How to align cybersecurity, legislative requirements and internal regulations in a city network?

“The main objective of deploying Whalebone was to filter internet traffic so that content deemed inappropriate from the perspectives of security, information protection, legislation, and company regulations would be blocked.”

KAREL VYHLÍDKA

SECURITY ANALYST, TECHNOLOGY OF THE CAPITAL CITY OF PRAGUE

Deploying Whalebone Immunity forms a part of Technologies of the Capital City of Prague' broader cybersecurity strategy.

As a provider of municipal infrastructure, the company has long pursued a multi-layered defense that

protects both network traffic and its users. “Our requirements for the new product were mainly good integration with existing systems, easy maintenance and little impact on the work of TCCP employees,” describes Security Analyst Karel Vyhlička.

“Whalebone Immunity brings us another layer of protection – this way, we are increasing the chance that no one will encrypt our data or that we will not find them somewhere on a foreign cloud.”

KAREL VYHLÍDKA

SECURITY ANALYST, TECHNOLOGY OF THE CAPITAL CITY OF PRAGUE



Solution

“Whalebone Immunity is a quickly deployable out-of-the-box solution that works and provides useful outputs. Above all, it works long-term without major hiccups.”

KAREL VYHLÍDKA

SECURITY ANALYST, TECHNOLOGY OF THE CAPITAL CITY OF PRAGUE

Whalebone Immunity met the demands for rapid deployment and trouble-free integration into the existing infrastructure.

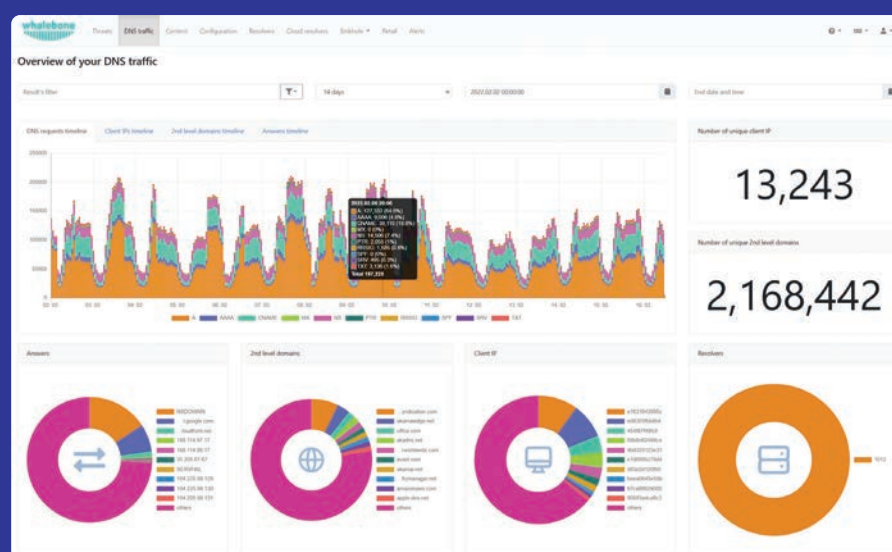
The IT team first deployed it in pilot mode, which lasted three months, before moving it into full operation. *“Except for the need to add some domains to the whitelist, there were no significant problems during deployment,”* describes Karel Vyhlička from TCCP.

Whalebone is deployed across the entire network: *“Our network, now protected by Whalebone Immunity, is an APN containing*

several buildings and other devices such as smart stops or devices for displaying digital advertising,” explains Karel Vyhlička.

Administrators appreciate the easy integration with internal systems: *“The integration with Active Directory was very simple, it was a matter of two, three clicks and it works.”*

According to Karel Vyhlička, this allows for an easy identification of problematic behaviour of individual users: *“We evaluate user behaviour every week. We can now simply see what problems an employee creates and we can talk to them about it.”*



Result

“We use a firewall, but we have Whalebone set a little more aggressively. We can see it captures 30–50 % more threats.”

KAREL VYHLÍDKA

SECURITY ANALYST, TECHNOLOGY OF THE CAPITAL CITY OF PRAGUE

The product complements other security tools in the network well, as Karel Vyhlička states: *“To ensure cybersecurity, we use several other systems that perform both filtering and evaluation of network traffic and security on endpoint devices. Whalebone Immunity integrates well with these systems and seamlessly*

complements the whole mosaic of cybersecurity.” The occurrence of false-positive detections is also minimal. If it happens, the domain can simply be whitelisted. Alternatively, Whalebone analysts can be contacted to verify it. TCCP actively use other features of Whalebone Immunity as well, such as alerting on

homograph attacks, content filtering or identity protection. *“We also plan to deploy Whalebone Home Office Security for portable devices so that they are protected even when accessing the internet outside our core network,”* adds Karel Vyhlička.

“Whalebone technical team has been a pleasure to work with, and we are satisfied with the cooperation on both the human and technical sides. Response to requests is always prompt and helpful.”

KAREL VYHLÍDKA

SECURITY ANALYST, TECHNOLOGY OF THE CAPITAL CITY OF PRAGUE

ADDITIONAL REFERENCES



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We will be more than happy to answer any questions. Mutual satisfaction is our main goal and we will do our best to fulfill your requests.

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