whalebone

The Whole Network of Prague University of Economics and Business Is Now Protected by Whalebone

VŠE

Founded in 1953, the Prague University of Economics and Business (PUEB) is the largest public university of economics in the Czech Republic.

It consists of six faculties. Currently, the network serves more than 13,000 students and hundreds of academic and administrative staff.

In addition, the network is accessible to a large number of guest users.

Challenge

2 Reasons for Whalebone Immunity

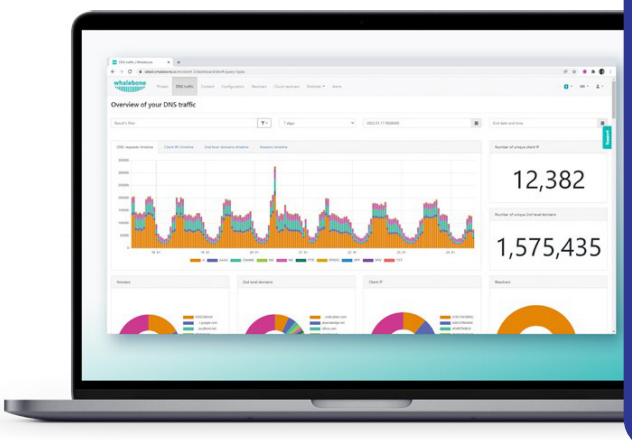
In addition to the desire to use new technology, the administrators in the Network Infrastructure Department had two major motivations for deploying Whalebone.

1. Protect all devices, including those not managed by the University

Apart from employees, the PUEB network is used by many users whose devices are not controlled by the university. This includes students, for example, who log on to the eduroam WiFi infrastructure from anywhere or students in dorms. The university simply cannot make them install anti-virus programs on all of their devices or behave responsibly.

2. Simplify network administration

Having control over the operation of a network with tens of thousands of devices connecting from different locations requires using clear and effective tools. The goal of the project was to significantly increase the insight for network administrators and enable them to work in an intuitive environment that allows them to identify and solve potential problems.



"A team of new people was being formed and I wanted to simplify the administration for them. The Whalebone environment is straightforward and easy to use."

TOMÁŠ SKŘIVAN
HEAD OF THE NETWORK INFRASTRUCTURE DEPARTMENT

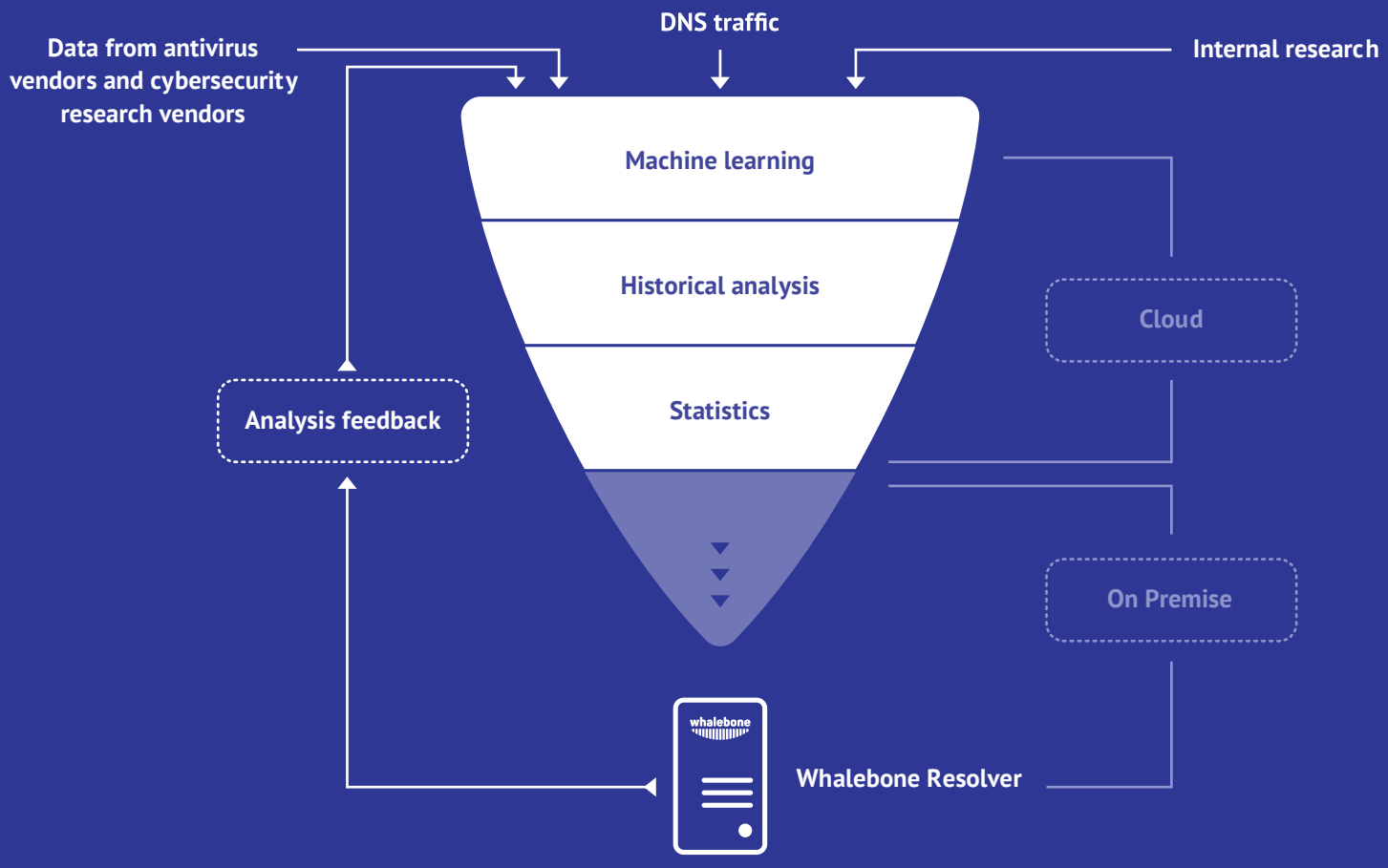
Solution

Immunity is the main pillar of health

To address these challenges, PUEB implemented Whalebone Immunity, a cybersecurity solution designed to protect networks from malware, phishing, and other cyber threats. The deployment process was quick and seamless, allowing the university to secure its entire network within days.

Whalebone Immunity provides real-time updates to its threat intelligence database, which includes over 150,000 malicious domains daily. Its AI-driven Neural Network helps detect domain generation algorithms (DGAs) that are difficult to identify manually. By leveraging machine learning, artificial intelligence, and statistical analysis, Whalebone offers advanced protection.

The system is designed to be user-friendly and easy to integrate. Redirecting traffic to Whalebone's DNS resolvers was straightforward, and PUEB administrators found the Whalebone API well-documented and effective. The platform provided both a bird's-eye view of network traffic and a detailed analysis of specific devices, enhancing the university's ability to detect and mitigate threats.



Benefits

Deploying Whalebone Immunity is easy

Enhanced Security:
All network traffic is now protected against malware, phishing, botnets, illegal cryptocurrency mining, and other threats. The university's network is safeguarded from the negative effects of infected devices and irresponsible user behavior.

Improved Network Visibility:
Whalebone Immunity provides a virtual lookout tower for administrators, enabling them to monitor traffic, identify risks, and quickly resolve security issues. The system offers historical analysis and machine learning insights, helping administrators detect targeted attacks and unusual behavior.

Simplified Administration:
The platform's intuitive interface made it easier for the newly formed IT team to manage network security efficiently. Administrators found working with the Whalebone API to be straightforward, with excellent documentation and support.

Seamless Deployment:
Implementation was quick and well–documented, requiring minimal effort from IT staff. The university was able to deploy the solution within days without disrupting its existing network operations.

With all traffic from fixed devices, WiFi networks for students and staff, guest WiFi, and visitors of the PUEB Hotel now directed through Whalebone resolvers, the university has successfully strengthened its cybersecurity infrastructure while ensuring an efficient and manageable administration system.

ADDITIONAL REFERENCES

A1 · Aero | VODOCHODY · ALD Automotive · emvs MADRID · BAUHAUS · COLT CZGROUP · European Commission · NEAS · Telefónica · Panasonic

Easily redirect part of your network traffic to Whalebone resolvers and try out our trial.

immunity@whalebone.io

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.

www.whalebone.io

Learn more about our products at:
whalebone.io/immunity

Follow us on LinkedIn for more information on DNS security.