



Case study

Prague University of Economics and Business

The Whalebone environment is
straightforward and easy to use.

Tomáš Skřivan,
Head of the Network Infrastructure Department

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

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.

Goals

- Protect all the devices that connect to the PUEB network.
- Provide better visibility for network administrators.

Solution



**Whalebone
Immunity**

Results

- Deployment was quick and easy.
- All traffic is now better protected against malware, phishing, and other threats.
- PUEB network administrators have a great analytical tool.

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.



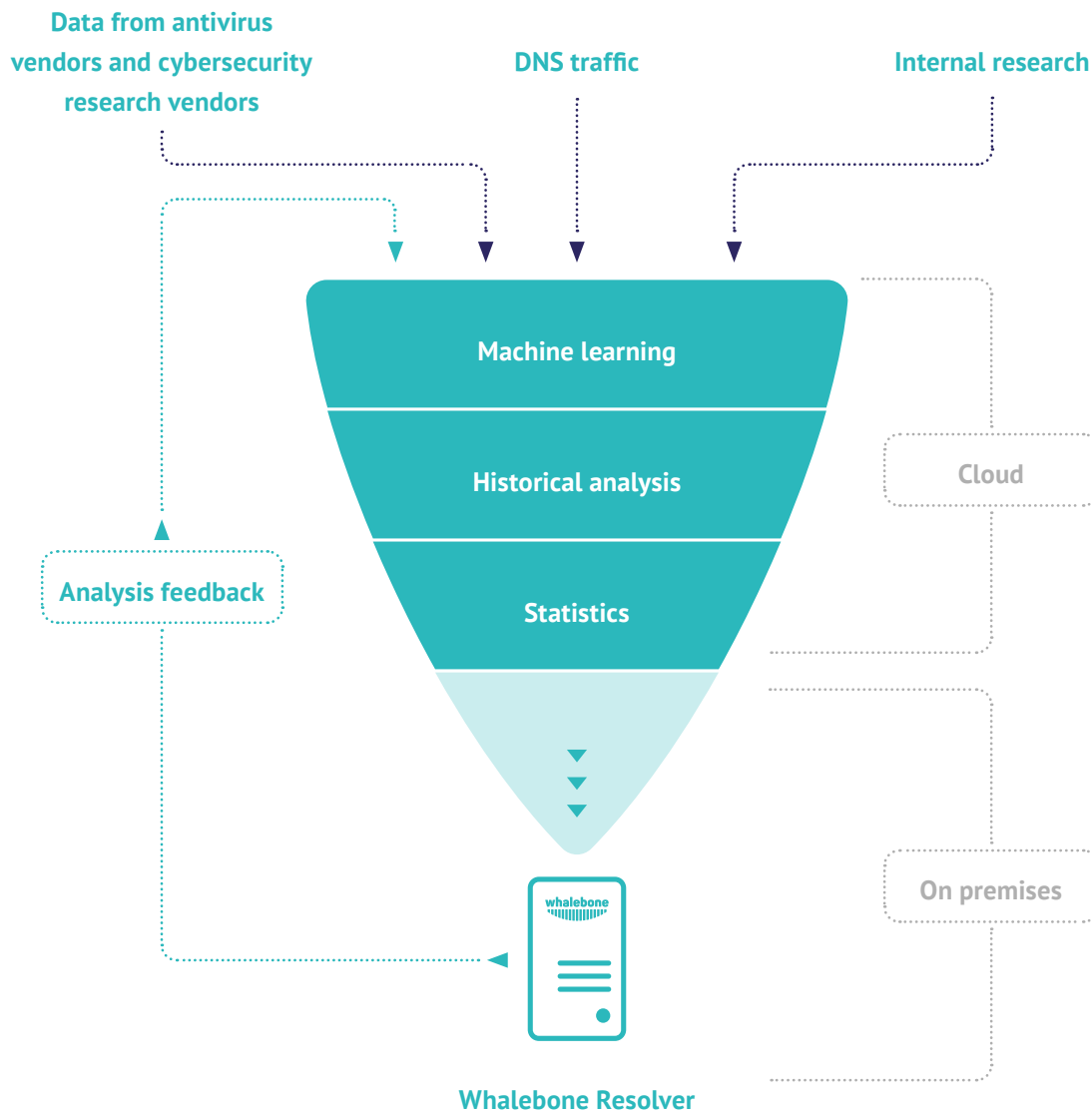
A team of new people was being formed and I wanted to simplify the administration for them. The Whalebone environment is straightforward and easy to use.

Tomáš Skřivan, Head of the Network Infrastructure Department

Immunity is the main pillar of health

Whalebone Immunity was a clear solution to the problem PUEB was facing. Within days, they could deploy a product that filters out malicious and dangerous traffic without any hassle, regardless of the complexity or size of the network.

Whalebone's threat intelligence database is updated with over 150,000 malicious domains per day in real-time. With Whalebone protects users of large national Telcos like **O2** or **A1**, we have access to a huge amount of traffic to analyze. In addition, our Whalebone Neural Network can, among other things, detect DGAs, i.e. algorithms that generate domains that are not within human power to identify and block manually. Machine learning, artificial intelligence, and statistics are the basic mechanisms we use to assess the dangerousness of domains. The combination of **internal research** and **external resources** creates a **unique Threat Intelligence** that delivers the best results.



Deploying Whalebone Immunity is easy

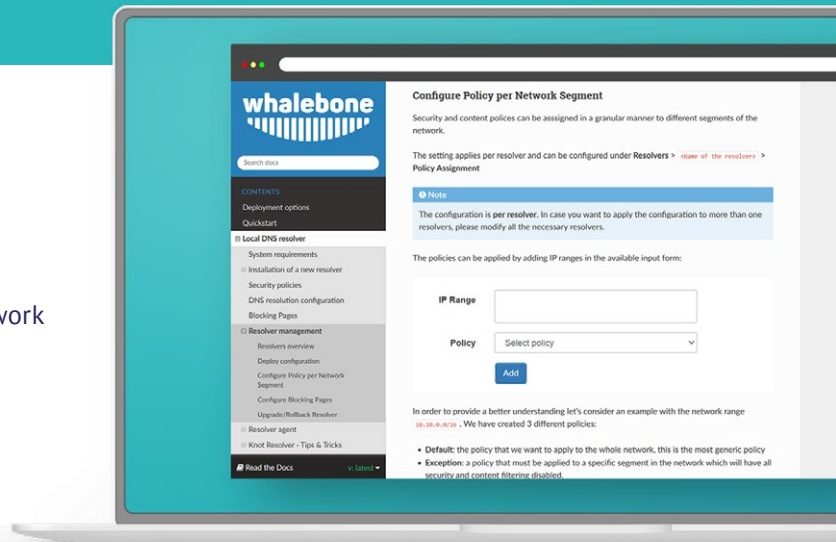
If you're looking for a solution to make your job easier, you'll want to make sure there will be no hassle from the very beginning. The seamless deployment of Immunity is based on three principles.

1. You will be guided by comprehensive documentation

It's really simple to redirect traffic to Whalebone DNS resolvers and implement them into the network architecture. Plus, our Admin Guide, [available online](#), will guide you through each stage.

The implementation was simple and well documented.

Jakub Kratochvíl, Network Engineer



2. Our team is here to give you a hand

We will be happy to help you if there is anything you miss in our documentation. We appreciate your feedback.

When I wanted to fine-tune something later on and I couldn't find it in the documentation, I reached out to the support team, who always helped right away.

Jakub Kratochvíl, Network Engineer

3. Top API

With the Whalebone API, you can easily integrate our visualizations and other data outputs into the systems and tools you already use. You'll get even better visibility and more control over your network.

Working with the Whalebone API was excellent. When I compare it to dozens of other APIs I've worked with, Whalebone is definitely on the cutting edge. It's well documented, with great queries and error messages. It's a well-done job.

Matěj Kučera, Network Engineer

Protect and keep an overview

All traffic from all access points is now directed to Whalebone resolvers. Whether it is all fixed devices, WiFi networks for students and staff, WiFi networks for guests, or visitors of the PUEB Hotel.

All connected devices are now even better protected against **malware**, **phishing**, attempts to enslave devices into botnets, illegal **cryptocurrency mining**, and other threats. The network itself is then protected from the negative effects of infected devices and irresponsible user behavior.

In addition to adding a crucial layer of security infrastructure, the deployment of Whalebone has given the University a virtual lookout tower from which the administrators can monitor the full traffic and efficiently find and resolve potential problems. In addition to a bird's eye view, Whalebone Immunity provides a microscope – the ability to examine issues with particular devices in detail, to detect and analyze targeted attacks or any unusual behavior.

Get a safer network

We believe the best way to verify that Whalebone Immunity is the right solution for your company is through **your own experience**.

Find out more about the product on [our website](#), get a demo, or contact us by email to discuss the next steps to deploy the pilot. Deploying Whalebone won't take more than a couple of hours and you'll see the value right away.

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

www.whalebone.io

Learn more about our product at whalebone.io/whalebone-immunity, ask for a demo version or contact us via e-mail.

sales@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 fulfil your requests.