whalebone

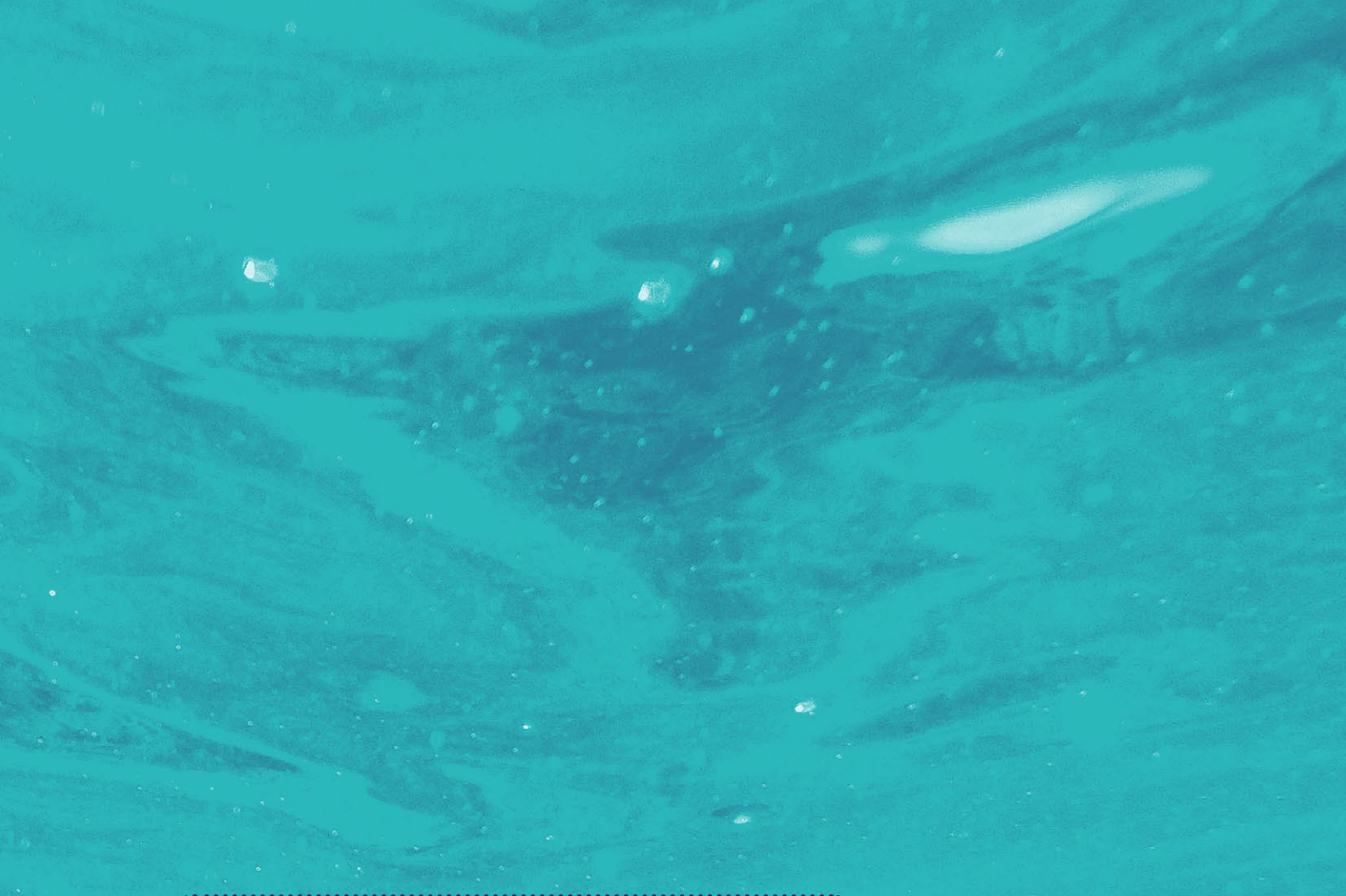
Aero | VODOCHODY

Case study

Security DNS Filtering for AERO Vodochody AEROSPACE

This was the quickest and most seamless implementation of a security technology into the network I have ever witnessed in my career.”

Miloš Vodička,
ICT manager



Security of the internal network is one of the main priorities of the company AERO Vodochody AEROSPACE, which is why they continuously seek technologies that can improve it. This is the reason why the company decided to implement Whalebone Immunity.

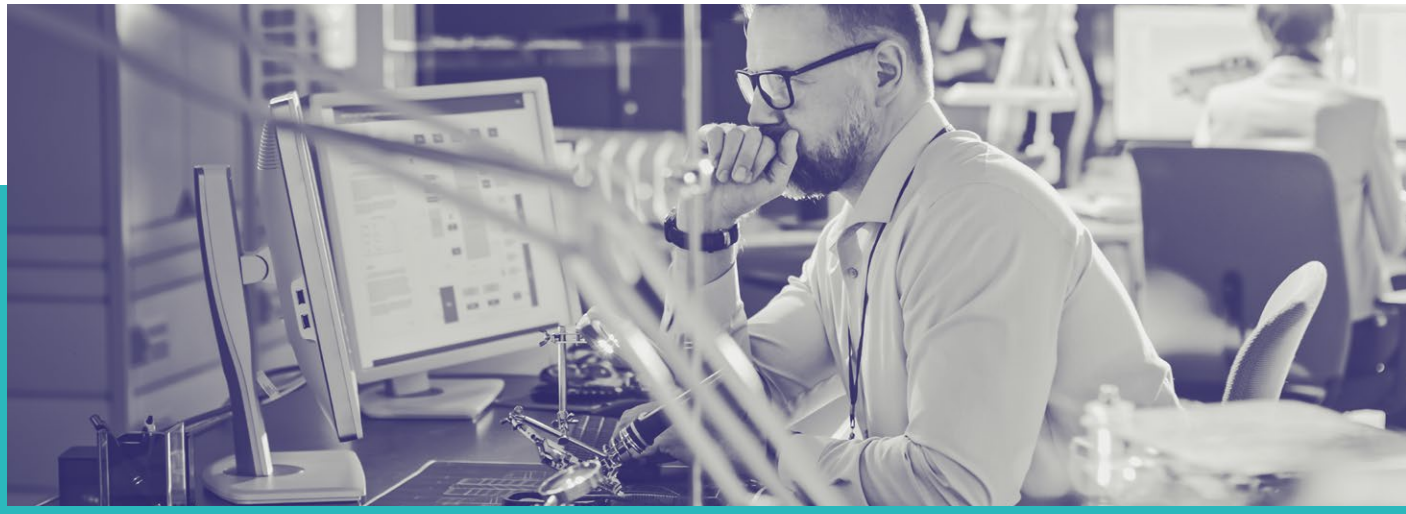
They were especially interested in **protecting a wide range of end point devices** without the necessity of a complicated configuration.

After consulting AERO's IT partner SOLDEPRO, it was decided that our technology would be a suitable addition into an already existing network security of the company.

Testing and Deploying

The company was keen on a thorough technical check of our technology to see if all the attributes complied with the already existing system.

One of the main requirements was that the implementation would not disrupt the already existing IT infrastructure, especially the Active Directory which relies on DNS.
One of the deployment options was to use the Whalebone cloud DNS resolvers to enable testing without having to deploy server components into the internal environment. However, AERO opted for the Whalebone DNS resolver on-premise when the primary resolvers are located on the corporate network. To ensure high availability of DNS traffic it was decided to operate three independent DNS resolvers.



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Since the customer chose to run the resolvers on their own network, installation of three Linux servers was required. The implementation of the resolvers was done via a script generated by the Whalebone web console.

The script runs all the necessary checks and installs all the dependencies and as a result the DNS resolvers run directly on the client’s server. After all this being set up there is only last easy step and that is setting up the forwarding to the Domain Controllers.

Setting up the protection

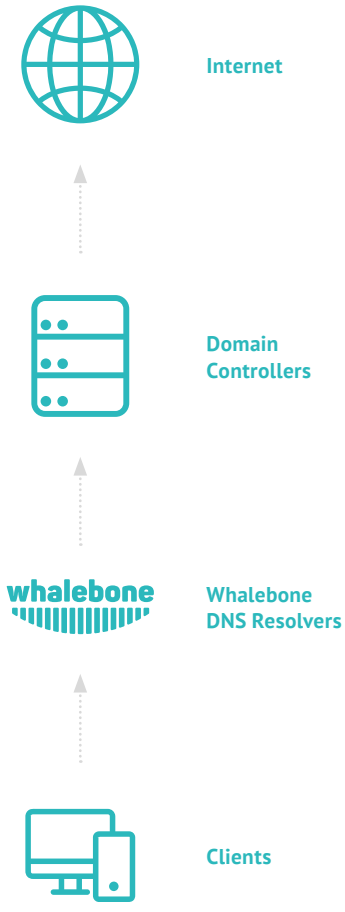
After testing the DNS functionality including the test of Active Directory it was planned to redirect test clients to a new DNS resolver using DHCP. The configuration went smoothly and the network started using newly implemented resolvers – this whole process was done without any outage of the network and without the users even noticing.

Whalebone DNS traffic protection policies were set to meet the requirements set by the company to block maximum threats with as little admin interference as possible. Even though the policies were set to a strict level, it does not run into the problem of false positives.

Conclusion

Both sides considered the testing as a great success with the technology being approved to be used. This approval was followed by setting up a monthly subscription plan for hundreds of clients – the customer was not only satisfied with the technology itself but also with the reasonable price of the plan. The full implementation of Immunity into the network went just as smoothly as during the implementation of the trial version.

Lower than average incident ratio implies that the AERO company puts great emphasis on the network security. Despite this, Whalebone detected and blocked suspicious software on multiple devices that were administrated by external contractors. The contractor was informed about this and the problem was solved. Minor threats pop up on daily basis but their solving does not require admin's intervention.



Aero Vodochody AEROSPACE is the world's largest manufacturer of training jet airplanes.

In total, it produced 11,000 aircrafts with a total of 13,000,000 flight hours. Aero has developed and manufactured more than 6,700 jet airplanes, accounting for 70 % of world production.

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

sales@whalebone.io

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

www.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.