Exoscale scores with flexibility and scalability

A1 Digital's cloud hosting infrastructure serves Whalebone as a platform for malware defence

Whalebone, s.r.o., based in Brno, Czech Republic, is a cyber security company that protects the networks of Internet service providers and companies from malware, phishing attacks and access to infected websites.

DNS resolution is a critical part of any infrastructure. Whalebone ensures that its customers' DNS resolution works at all times. Whalebone processes hundreds of millions of DNS queries in real time every day. DNS request filtering offers not only the ability to detect malicious traffic, but also to avoid it in a simple and transparent way. Whalebone needs a fast and reliable Infrastructure-as-a-Service (IaaS) that is able to support a modern cloud infrastructure based on microservices.

However, most IaaS providers usually only provide complex solutions that do not allow flexible adaptation to resource requirements. In Exoscale from the cloud and IoT service provider A1 Digital International GmbH, Whalebone found the right cloud hosting platform for their business model. The flexible and scalable IT infrastructure allows customers to use server capacity as long as they need it.

With the ability to start up machines within a minute using the Cloud-Init function and Docker drivers and delete them when they are no longer needed, Exoscale enables Whalebone the processing of large amounts

"We have already tried a number of IaaS offers. But Exoscale is the best platform so far, because it is really easy and intuitive to use and we are convinced by the maintenance-free and trouble-free operation in all operating areas. With Exoscale, we can focus on our business and don't have to worry about anything else. The possibility of accepting only as much power as we currently need is a further advantage from a cost point of view".

ROBERT SEFR,
TECHNICAL DIRECTOR OF WHALEBONE

of data to be scaled horizontally using microservices and load balancers. In this way, Whalebone can adapt its Elasticsearch cluster and log processing pipeline to changes. Exoscale ensures that a group of machines with the same or a similar task will not run on the same hardware in the event of an interruption.

In addition to the flexible and scalable hardware resources, Whalebone was also convinced by the data transmission package for each individual machine, which is sufficiently large for common servers and enables a prediction of the costs of the required bandwidth. Other benefits include the included perimeter firewall, which is fully configurable through the user interface, and the use of Exoscale's high-availability S3 memory for backups and data snapshots, for which there are no data transfer costs when working within Exoscale.

For more information, visit the website of **www.a1.digital**

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