

Solve Datacenter challenges with The SwARM and Vegoia

Network Intelligence, making use of efficient object storage solutions, supports Network Managers, Security Officers and Marketing at the same time.

Industry Challenge

Datacenter traffic is rapidly growing, and the global IP traffic is expected to touch **19.5 ZB** (zettabytes)¹ per year by 2021. The growth of data traffic goes hand-in-hand with data protection and security. Globally, the average total cost to a company of a data breach is **\$3.86 million**². On the other hand, **Big data** will reach **403 EB** (exabytes) by 2021³ which clearly puts storage solutions on the spot.

Starting from these figures, it is clear the importance to have, from the one hand, Network Intelligence solutions that provides analytics about services usage and associated bandwidth as well as real-time alarming in case of cybersecurity attacks; from the other hand, high performance and scalable Storage Solutions become one of the key enablers to support this growth.

The Solution

The SwARM and **Vegoia** (by Larthia) have established a technical partnership to provide the customer with an integrated solution to fulfill the requirements in terms of bandwidth management and data storage.

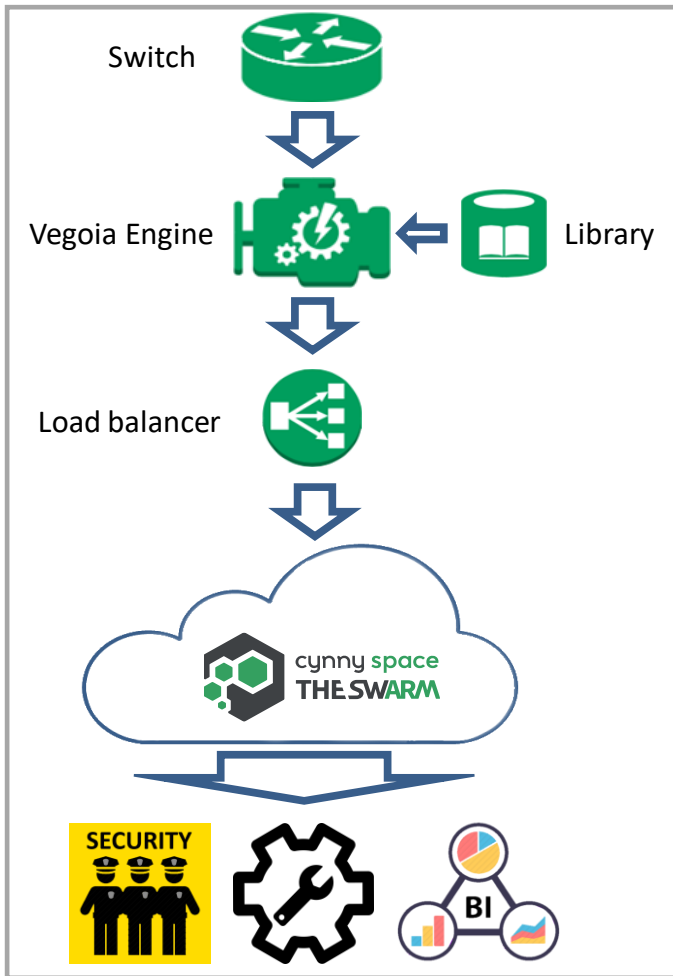
IP traffic is continuously inspected by **Vegoia** virtual probes that takes advantage from a Deep Packet Inspection and Application Recognition Engine and leverages Machine Learning algorithms. Probes generate synthetic results stored on **The SwARM** object storage in form of Transaction Data Records (TDRs). TDRs are exploited on a per flow basis, enabling the complete dissecting of the protocol stack leading to the collection of critical information on network such as: service type, application used as well as end users' identification.

¹ Source: Cisco Global Cloud Index: Forecast and Methodology, 2016–2021 White Paper

² Source: IBM Study: Hidden Costs of Data Breaches Increase Expenses for Businesses

³ Source: Global Cloud Index Projects Cloud Traffic to Represent 95 Percent of Total Data Center Traffic by 2021

Results



With the combination of **The SwARM** and **Vegoia**, IT managers can from the one hand optimize bandwidth usage by understanding which services are the most used/impacting the quality of experience based on the nature of the application uses. On the other hand, they have access to the highest level of information required for real-time troubleshooting in case of performance issues as well as cyber security attacks.

Furthermore, **The SwARM** storage removes the headaches around maintenance and support thanks to the Zero-Touch self-healing capabilities which are at the heart of the solution, combined with the tangible benefits in terms of operations costs reductions.

At the same time, marketing/product and sales managers have the means, thanks to the Business Intelligence tool provided by **Vegoia**, to shape their offers and product definitions based on the actual analysis of the services based on customers segmentations.

Key Benefits

- ✔ Reduction in cybersecurity attacks
- ✔ Increase Revenues by better shaping services offer
- ✔ Reduction in operational costs by optimizing bandwidth allocation
- ✔ TCO reduction of up to 70% compared to traditional NAS/SAN storage solutions and other market cloud-based offers
- ✔ Easily Scalable and Deployable

***The SwARM and Vegoia** build an integrated platform capable of meeting the market demands in terms of data storage, network intelligence, data security and durability which are the key challenges that needs to be answered to ensure today's business operations.*