

Solving the Storage Challenges of IoT Analytics with Cynny Space and Elasticsearch

Analytics-ready data infrastructure based on software defined object storage solution



elasticsearch

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IOT and
Big Data

Client challenge

Our client, an **electronics company** is looking to upgrade his **IT infrastructure** to meet the company's challenging storage requirements.

Historically, the **log files** have been stored on a **large-capacity NAS** system, bogged down with data the system is no longer **effective**, and the cost of upgrading the system is high and **counterproductive** to business.

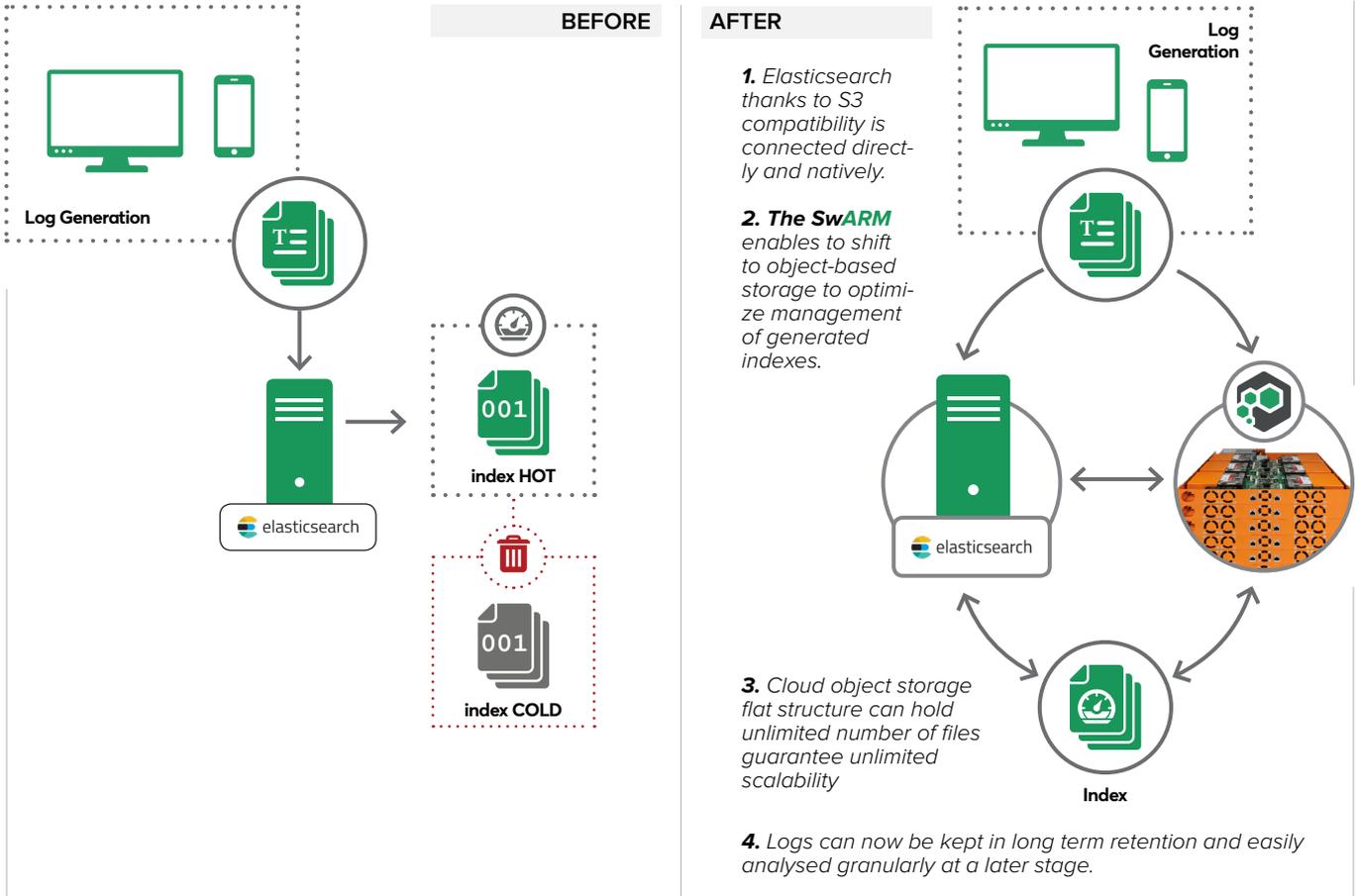
The company needs to improve **data availability** and **storage capacity** and the new solution needs to be **scalable** to match a future **expansion** of the business.

Solution

Using **The SwARM** next generation Storage solution alongside a with a Big data analytic platform like Elasticsearch (vital for getting actionable insights from IoT data) the client managed to securely centralize the storage and have the data immediately available for analysis.

Key Benefits

- Consolidation and centralization
- Sustainable costs for project
- Seamless integration through the native S3 interface
- Zero-Touch self-healing solution leading to remove M&S costs
- Data readily available at maximum levels of detail
- Data security is guaranteed by the level of durability provided



The SwARM solution

The SwARM solution represents the next generation Object Storage Platform designed for Enterprise applications which makes Big Data and IoT storage sustainable for the business.

Based on a cutting-edge patented technology The SwARM file system relies on a peer-to-peer self-healing approach that, combined with advanced data management techniques leads to a **zero-maintenance self-healing** solution which guarantees the highest levels of **data durability**.

The combination of the file system with the first ARM micro-server ever produced, makes The SwARM an extremely compelling solution in terms of Total Cost of Ownership thanks to its reduced operating costs in terms energy consumptions and HW/data maintenance.

The Object Storage approach implemented in The SwARM makes the storage completely scalable, not only in terms of data retention, but also in terms of bandwidth which grows linearly with number of nodes. Furthermore, any storage expansion is possible without any downtimes in the operation minimizing the impact to the business. The solution comes with full maintenance and support included to guarantee complete transparency without hidden costs.

Conclusion

Elasticsearch and The SwARM represent the ideal combination for high performance access for analytics processing and long-term retention.

The SwARM Enterprise graded Storage at Consumer costs!