

Efficient Storage and Archiving Solution with AWS



Executive Summary

When the customer, a traditional engineering company, approached us, the problem was clear and quite typical today. Continuously increasing user, backup and archive data and insufficient capacity of existing storage along with low flexibility to setup temporary storage for projects and services generated a need to think differently about storing data. Except investing in an on-premise data center storage, the customer selected, scalable, cost-effective and efficient solution on AWS storage services and together with Hardys Digital built a flexible hybrid storage solution, saved cost and gained flexibility.

Customer challenge

The amount of customer data produced by users, machines, partners and systems was steadily increasing and capital investment in customer on-premise data repositories was high and generally inefficient.

The customer team didn't have experience with implementation of the transformation of IT to the cloud needed to change from the daily routine of existing legacy IT. At the same time the need to be able to manage services was key. The customer needed a new solution and answer questions likes: How to get started with the cloud quickly, safely and get value as soon as possible? How to avoid initial mistakes and proceed in a proven way and setup reliable monitored system.

Why AWS

Security services, breadth of storage and related services along with pricing philosophy were among the key reasons to select AWS as a cloud partner for the storage and archiving transformation. Security is for AWS an absolute priority and security services are either free or at very low cost. With storage services there are no fees or license costs involved and customer pays truly only for what is using. The possibility to start literally within days with prepared procedures and guidelines confirmed that AWS is a clear cloud leader.

Why Hardys Digital

Agility and Integration - As an experienced partner Hardys Digital can provide best practices with networking, security, and cloud services access within enterprise IT for a quick start. It provides AWS integration with ERP, IT management and project management systems.

Customer Experience - Hardys Digital offers pre-built integration of cloud services with monitoring, notification and alarms and their interaction with IT service management tools.

Complex approach and project management - Hardys Digital guides end-to-end through the cloud project professionally, clearly and with proven procedures.

Ensuring highest data security - Hardys Digital implement security services aligned with AWS well architected framework for network setup, security, and access to cloud services to ensure security and meet existing security requirements.

About Vítkovické Slévárny



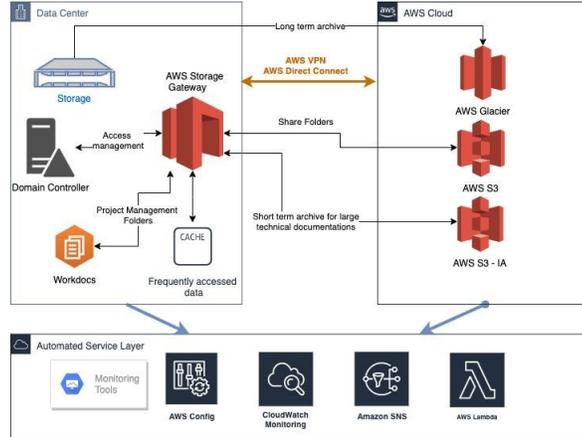
The company **Vítkovické slévárny** is a traditional manufacturer of rolls for metal rolling, steel and cast-iron shaped castings, and since year 2004 also copper alloy castings.

It is a dynamically developing company with a tradition of castings manufacturing dating back to 1828 and rolls manufacturing dating back to 1910. At present, the company ranks among the top work rolls manufacturers for hot rolling mills on the European market, due to modern licensed technology of centrifugal casting.



Solution

The storage solution consists of **AWS Storage Gateway, S3 and Workdocs** to fulfill the need for hybrid and durable storage with the flexibility of AWS Workdocs to be used for temporary projects folders for internal and external users. AWS S3 Infrequent access is used for accessing.



AWS Glacier is used as a long term archiving solution and is utilized as a single archive for all server, machine and user based data that needs to be durably saved. **Directory Services** (AD Connector) is used to manage access for internal employees, control access to folders and re-use existing domain controller on premise to provide maximum comfort for end users to access their existing and cloud services. Service layer takes care of automatic monitoring, notifications, alarms through **AWS CloudWatch, SNS, CloudTrail** and its automation and integration by **AWS Lambda** with monitoring and service management systems.

Results and benefits

The customer has achieved lower TCO of almost 30% for the storage and archiving solution and gained a flexible storage for projects, internal and external employees. The breadth of AWS storage services addressed various use cases for storage needs. During the implementation several approaches were tested without the need to invest in HW or purchase licenses. The final solution is a hybrid setup utilizing customer assets efficiently, under managed services and without the need for further capital investments.

About Hardys Digital

Hardys Digital is a cloud native company based in the Czech Republic. It provides cloud transformation and managed services on AWS and long term focuses on AWS Industrial IoT, Data Analytics and cloud ERP services in Central and Eastern Europe. Hardys Digital mission is to be a reliable implementation partner for customers' digital transformation objectives such as increasing agility, automation and growth. Its key values are excellent customer experience and professional services.

Hardys Digital