

# 16 Project “Storage”

Industry	Telecom	Client	Restream (Rostelecom)
Role	Enterprise Architect, Business Analyst		
Key Result	Customer requirements were analysed, and a balanced solution for enterprise data storage (SDS - Software Defined Storage) was proposed, which allowed the organisation to make the right choice, enhance data reliability, availability, and processing speed, and save significant funds.		

Situation	Task	Action	Result
Restream operated in the field of data analysis for its parent company, Rostelecom. Data volumes were constantly growing, requiring reliable storage and accessibility. Various departments receiving diverse data (both structured and unstructured) had their own opinions on data storage and processing, which created a need for a unified and efficient solution.	I was tasked with selecting the optimal data storage solution for the enterprise. The task included analysing requirements from various stakeholders, accounting for the diversity of data types and their lifecycles, and selecting and presenting solution options that could ensure data reliability, accessibility, and processing speed.	<p>Requirements and Data Type Analysis: I analysed the requirements received from stakeholders within our organisation. Given that several departments received diverse data (both structured and unstructured) and each had its own opinion on data storage and processing, I categorized all data streams by type.</p> <p>Data Lifecycle Analysis: For each data type, I thoroughly analysed its lifecycle, which helped determine optimal storage and access strategies.</p> <p>Formulated Solution Requirements and Constraints: I compiled a comprehensive list of requirements for the solution and imposed corresponding constraints, as well as requirements for the Software Defined Storage (SDS) system itself.</p> <p>Selection and Presentation of Solution Options: Subsequently, I was able to select several solution options that met all requirements and constraints and presented them to the architectural committee. Each option was accompanied by a description of its advantages and disadvantages.</p>	<p><b>The organisation received well-thought-out and balanced solution options</b>, with described advantages and disadvantages. This helped Restream make the right choice when selecting the storage system.</p> <p><b>Enhanced Data Reliability and Accessibility</b>: Ultimately, this provided Restream with additional benefits in service delivery: increased data storage reliability and availability.</p> <p><b>Increased Data Processing Speed</b>: Data processing speed significantly increased, which is critical for analysing large volumes of information.</p> <p><b>Customer Data Specificity Accounted For</b>: The nature of each customer's data and its lifecycle were carefully considered, resulting in improved service quality and enhanced customer satisfaction.</p> <p><b>Significant Cost Savings</b>: It is worth noting that substantial funds were saved because the solution was chosen correctly, and no unjustified expenses were incurred.</p>