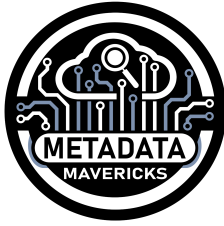
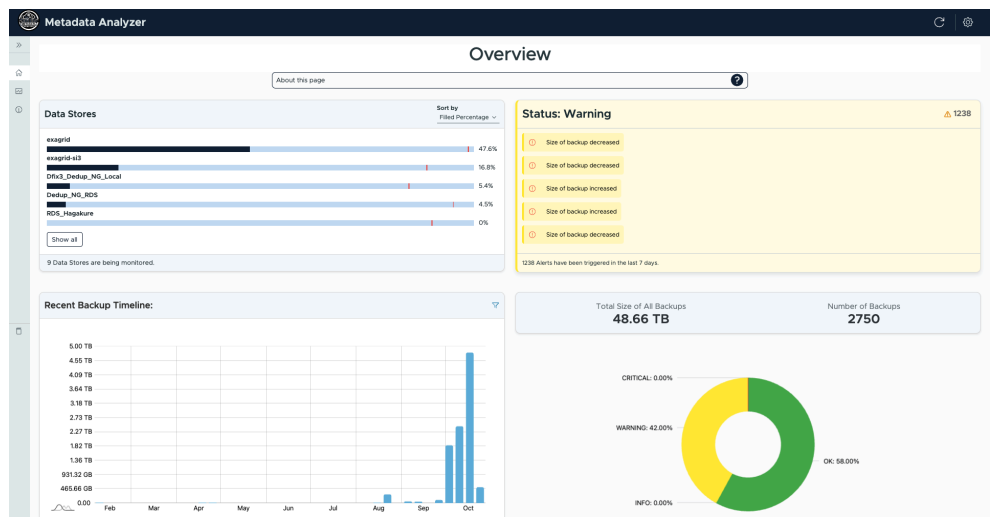
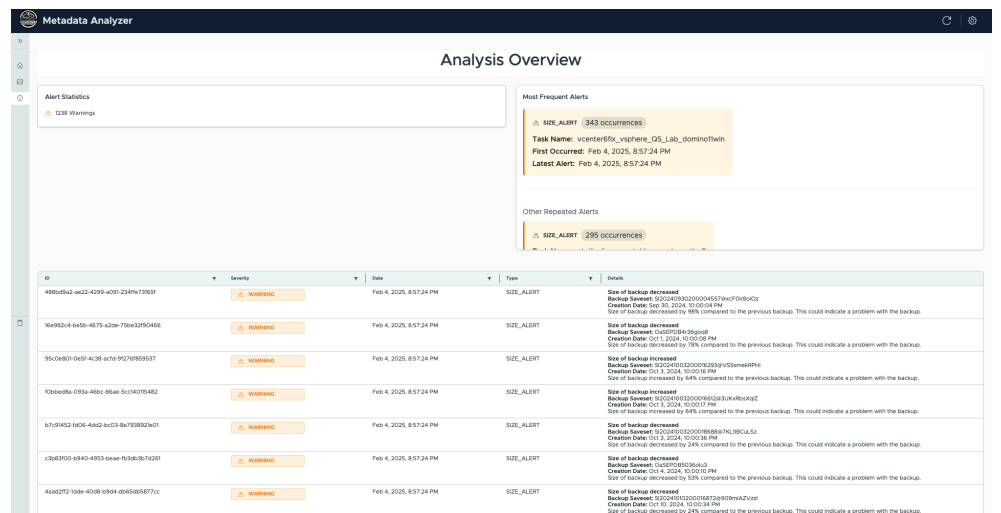
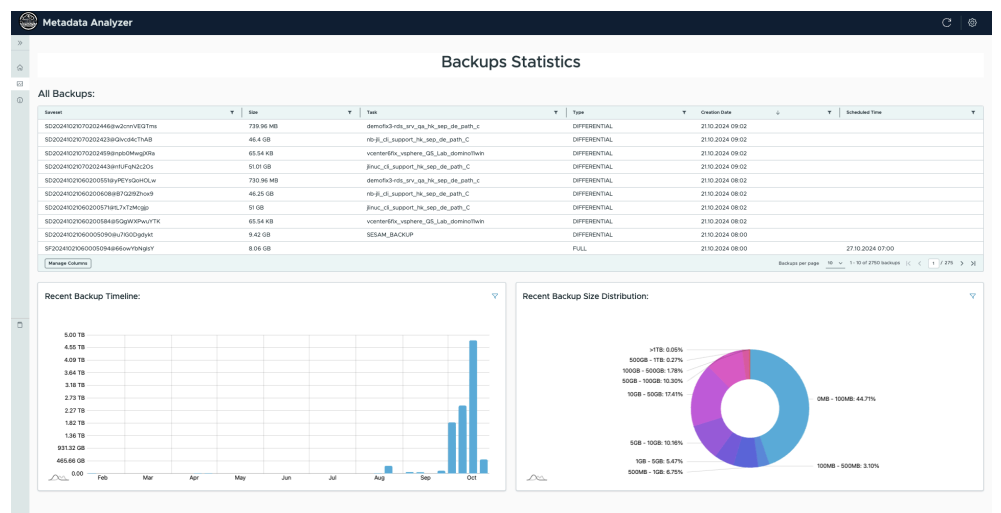
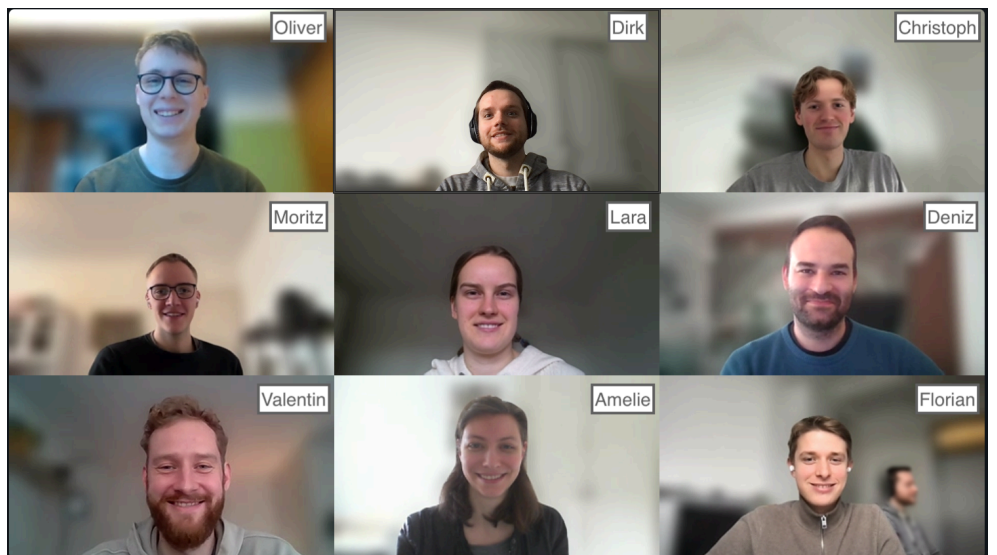


Project name	Backup Metadata Analyzer
Project mission	This project aims to explore which data analysis methods are applicable to the backup metadata, which is generated by the industry partner's backup software "SESAM". Furthermore, the results of the analysis are condensed into insights and displayed with graphs and alerts. This will help the customer to better understand their backup data and focus on the important takeaways.
Industry partner	SEP GmbH
Team logo	
Project summary	<p>The Backup Metadata Analyzer is a project that gives IT admin Joe valuable insights into his backup history. Various methods are employed to scan recent backup metadata, including machine learning algorithms such as rule-based analysis and time series analysis. This grants Joe user-friendly access to powerful anomaly detection, while the integrated alert and notification system ensures that he can quickly identify important events and potential issues.</p> <p>The tool can detect a variety of events, such as when a backup has changed dramatically in size, is missing, was created unexpectedly, or was made at the wrong time. Additionally, it can notify Joe when storage is about to run out of space.</p> <p>The project consists of three components: a Python Analyzer module, a TypeScript NestJS backend, and a TypeScript Angular frontend. The components are built with state-of-the-art, future-oriented technologies, are containerizable, and communicate via REST APIs.</p>
Project illustration	



Team photo



Project repository

<https://github.com/amosproj/amos2024ws02-backup-metadata-analyzer>