

Volkswagen Financial Services Adopts Azure PaaS Faster with Software Intelligence Insights from CAST Highlight

CASE STUDY

Client Profile

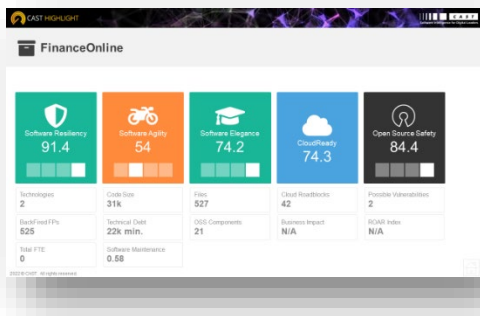
VWFS, a division of Volkswagen AG, is the largest provider of automotive financial services worldwide with 16,000 employees in 48 locations across the globe.

Business Challenge

VWFS wanted to modernize their critical business applications and leverage Microsoft Azure to improve time to market, increase innovation, improve scalability, reduce complexity, and optimize costs. VWFS' Head of Azure Services embarked on an aggressive application modernization initiative targeting 120 of their critical business applications managed by 400 developers in 8 countries. He was tasked with completing the project within 2 years and ensuring the applications were modernized to take advantage of cloud native PaaS services. With such an aggressive schedule, it was extremely challenging for the modernization team to assess each application's readiness for cloud migration and identify the best course of action for each system with confidence. They needed a scalable and objective way to understand exactly what needed to change in each application's codebase and estimate the effort required without relying solely on opinions and subjective information from application owners.

The Solution

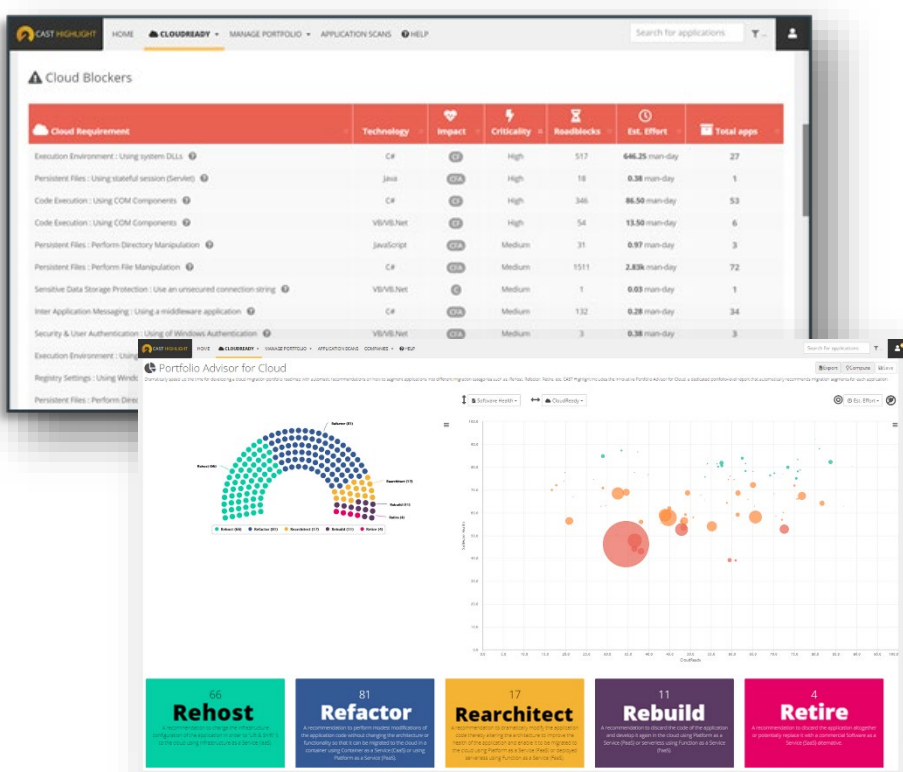
VWFS selected CAST Highlight to speed up the assessment process, ensure accuracy, and build a roadmap for each application based on the actual technical characteristics of the software. It automatically analyzed the source code of each application and generated intuitive dashboards with reports detailing necessary insights including cloud readiness, technical debt, and open source risks that enabled VWFS to better plan their migration. CAST Highlight automatically identified the specific Blockers in the code that needed to be removed, estimated the effort required to remove these Blockers and made recommendations on the specific Azure services each application could utilize once migrated.



The Outcome: Intelligent Migration Planning in a Fraction of the Time

VWFS analyzed the entire portfolio of 120 applications automatically by integrating CAST Highlight with their source code repositories across the enterprise and completed the migration project in 1.5 years, **25% sooner than originally planned**. They estimate that CAST Highlight **saved them 3 - 6 months** during the planning phase of the project and helped them avoid costly hurdles during the migration process.

In addition to the automated source code analysis, application owners completed a survey on each application to capture more qualitative information such as the business impact of the systems enabling VWFS to utilize the built-in Portfolio Advisor for Cloud that automatically segments each application into categories such as Refactor, Rearchitect, Rebuild, etc. The list of Cloud migration Blockers automatically identified by CAST Highlight within each application's codebase enabled development teams to get automated insight into the refactoring work that was required for each application and monitor progress of their modernization efforts.



CAST Highlight outputs include a detailed list of cloud migration Blockers organized by technology, impact, criticality, location, and the estimated effort to remediate. This automated and objective assessment approach enabled VWFS to make modernization decisions with confidence.

“Without CAST, the project would have been delayed by 6 months.”

– Jens Ewelt, Head of Azure Services, VW Financial Services

About CAST

CAST is the software intelligence category leader. CAST technology can see inside custom applications with MRI-like precision, automatically generating intelligence about their inner workings - composition, architecture, transaction flows, cloud readiness, structural flaws, legal and security risks. It's becoming essential for faster modernization for cloud, raising the speed and efficiency of Software Engineering, better open source risk control, and accurate technical due diligence. CAST operates globally with offices in North America, Europe, India, China. Visit www.castsoftware.com.