

Application Modernization



Visit us here: devoteam.se

Software application modernization is an important strategy for many organizations wanting to remain relevant in today's fiercely competitive climate. A common objective is to future-proof existing applications by improving security, reliability, scalability, and adaptability to new needs, operating environments, and business requirements. Another important aspect is to ensure that the user experience continues to be pleasant, productive, and up-to-date.

By applying tailored modernization strategies, software applications can be gradually and iteratively improved in a very cost-efficient manner; protecting your investments and prolonging the applications' life span.

Activities



Objectives: Establishing the business objectives and stakeholder expectations in a clear, concise, and measurable way.



Assessment: A thorough study of the existing software application is essential to understand its architecture, functionality, performance, scalability, security, and user experience. We will identify major pain points and areas of improvement.



Infrastructure: Depending on the current state, ways to improve the application infrastructure, may be to leverage cloud-based resources, including virtual machines, containers, and serverless computing.



Data: The data architecture may need to be modernized to support the growing demands of modern applications. This could include using data storage technologies such as Cloud Platforms, NoSQL databases, data lakes, and data warehouses, and adopting a data-driven approach to software application development.



Code: Modernization of the codebase could include adopting modern software development practices, such as agile, DevOps, and CI/CD, and leveraging modern programming languages and frameworks.



UX: The user experience may be modernized to enhance the usability, accessibility, and desirability of the software application.

Outcome

The main outcome of the modernization initiative will be a shared understanding of the benefits of modernization and the activities involved. This will be documented in a comprehensive report, the *Application Modernization Memorandum*. The memorandum will include:

- *Executive summary* with key findings and recommendations
- *Detailed chapters* with strengths and potential areas of improvement
- *Strategies* with recommendation of the most relevant and fruitful modernization strategies
- *Tactics* with implementation recommendations
- *Roadmap* outlining key activities and resource needs

Contact us at:
se.advisory@devoteam.com