

About this Research

In partnership with Wakefield Research, we surveyed 250 tech leaders who are responsible for maintaining a monolithic app at a large company (5,000+ employees). As code bases grow, complexity increases and engineering velocity slows down. With many digital transformation initiatives and the continued drive towards the cloud increasing the obvious need for app modernization, 92% of respondents say they are planning to start or have already started such projects. Here's what we learned about what makes them successful or not.

State of Modernization Across the Industry

8%

don't plan on modernizing at all

28% plan to modernize,

but haven't started yet

16% have just

started to modernize 34% have made

moderate progress

14% have made significant

progress

NO MODERNIZATION

MODERNIZATION

Modernization Majority—High Cost of Failure

App Modernization

Efforts Fail

Average Cost of a

Modernization Project

Average Time of a

Modernization Project

projects before they start. When asked what has stopped modernization efforts, both executives and architects say a lack of "prioritization from management."

Organizational pushback can often hamstring

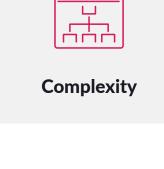
predict someone in their organization

would push back on a proposed project

Top Obstacles to Modernization Projects







ARCHITECTS

and Architects

Divergence in Thought for Executives

GOALS	Lowering Technical Debt	Reducing Ramp Time For New Developers
CHALLENGES	Time Keeping Up with Business Requirements	Difficulty in Refactoring Finding & Training Developers
REASONS FOR FAILURE	Expectations	Lack of Intelligent Tools
Differences between what executives and architects say they need speak to two sides of the same coin—the business outcomes and the successful execution of projects to achieve those business outcomes.		

EXECUTIVES

Look across your team to determine what skills are First analyze the portfolio for architectural complexity, technical debt and to identify aging in house already, and what skills are need to add to frameworks; from here, prioritizations can be the team. Next, gather the stakeholders and put the

Elements of a Successful Plan

made, and then scoping the time, budget and team members needed can be aligned.

1. Make the Case

2. Secure Budget & Resources Armed with the right business case, securing budget and resources may be easier, especially when tied to strategic business outcomes.

3. Give It Consistent Support Executive management supporting the project through the changing tides of business cycles is key to its success. When commitment from leadership falters, projects can stall, stop or end.

right people in the right places. Finally, organize your

4. Define, Align & Train the Team

team around the microservice—a critical element of successful projects. **5. Provide Your Architects with Intelligent Tools** Architects noted that not having the right tools was as top reason for failure. Giving them intelligent tools will help reduce time and risk.



About vFunction vFunction is the first and only Al-driven platform for architects and developers and architects that intelligently and automatically transforms complex monolithic Java applications into microservices, restoring engineering velocity and optimizing the benefits of the cloud. Designed to eliminate the time, risk and cost constraints of manually modernizing business applications, vFunction delivers a scalable, repeatable factory model purpose-built for cloud native modernization. With vFunction, leading companies around the world are accelerating the journey to cloud-native

> architecture and gaining a competitive edge. vFunction is headquartered in Palo Alto, CA, with offices in Israel. To learn more, visit vFunction.com.

