



vFunction

vFunction Modernization Hub

AI for Application Modernization

The vFunction application modernization platform rapidly assesses monolithic applications and transforms them into microservices. The vFunction Modernization Hub enables architects and developers to iteratively design and deploy transformational improvements to their architectures, automatically breaking monoliths into microservices.

Transform Complex Monolithic Apps into Microservices

Increase

Engineering Velocity

Scale

Complex Monoliths

Accelerate

Modernization

Modernizing Monoliths is Challenging

Application modernization projects have been slow, cost prohibitive and risky - for application owners and the business alike. Projects most often fail, exceed budget and timelines, and may never complete.

Lifting and shifting to the cloud is a great start but does not take advantage of the true value of cloud native architectures that offer much higher degrees of scalability, elasticity, agility, and engineering velocity.

Aging monoliths result in:

- Limited scalability & elasticity
- Long release cycles, stalled innovation efforts
- Lengthy ramp-up time for new developers
- Compounding technical debt, growing costs
- Downtime, risk & security vulnerabilities
- Inability to take advantage of modern cloud services



vFunction Modernization Hub

AI-based application modernization solution - transform monoliths into microservices

Refactor, re-architect, or rewrite your complex monolithic applications into microservices to restore engineering velocity and increase application scalability. Iteratively design and deploy improvements to the architecture via the vFunction Studio to untangle dependencies at the business logic level.

Learn

Observe business flows and track application behavior and dependencies to discover true logical domains inside the monolith.

Analyze

Using AI, dynamic + static analysis, and graph theory clustering algorithms, automatically identify optimal business-domain microservices.

Re-Architect

Design services using the interactive UI design studio. Refine service boundaries, automatically refactor classes, assign code to common libraries, conduct impact analysis of design decisions based on architect's input.

Extract

Automate the extraction of miniservice or microservice code and creation of restful APIs. Eliminate dead code and deploy efficient, compact microservices.

Scale

Incrementally modernize your application portfolios with a factory model without risk. Unlock the power of the cloud, innovate, and scale.

Continue

Build a continuous modernization best practice, prevent future technical debt accumulation, and integrate with CI/CD.



vFunction

[Request a Demo](#) ▶

About vFunction

vFunction is the first and only AI-driven platform for architects and developers that intelligently and automatically transforms complex monolithic applications into microservices, restoring engineering velocity, increasing scale, and optimizing the benefits of the cloud. Using AI, the vFunction platform calculates the complexity, risk, and modernization opportunities associated with monolithic applications, and enables architects to iteratively design and deploy improvements to software architecture. 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.