



vFunction

vFunction Continuous Modernization Manager

Shift Left for Architects

vFunction Continuous Modernization Manager enables architects to assess, monitor, find, and fix application modernization issues before they result in a technical debt disaster - the first “shift-left” product for architects. The first application modernization solution to continuously monitor, baseline, detect and isolate critical application architecture anomalies.

Catch Architectural Drift Anomalies Before Disaster Strikes

Baseline

Application
Architecture

Monitor & Detect

Architectural
Drift

Pinpoint

Architectural
Anomalies

Continuous Modernization Prevents Meltdowns

Architectural meltdowns and technical debt disasters have become all too commonplace. Technology leaders must move to a continuous modernization culture where technical debt is managed by setting organizational baselines for technical debt, monitoring for architectural drift, and catching major architectural anomalies before they become business catastrophes.

vFunction Continuous Modernization Manager - as part of the vFunction Application Modernization Platform - enables software architects, developers, and engineering leaders to both find and fix application or microservice architecture anomalies, determine architectural baselines, set thresholds, and alert when critical modernization anomalies are detected.

Unchecked architectural drift causes:

- Ballooning technical debt
- Architectural erosion
- System failures
- Security breaches
- Sky-high cloud compute costs
- Dead code creep





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Find and Fix Architectural Anomalies

Observability-driven architecture consists of a repeatable best practice that manages, observes, and fixes application architecture anomalies on an iterative, continuous basis.

- Baseline, monitor, and alert on architectural drift issues such as the detection of new services, new common classes found, service exclusivity changes, new dead code uncovered, and new high debt classes identified.
- Get notified of architectural anomalies immediately through various alert systems including Slack, email, and the vFunction Notifications Center.
- Once an architectural drift issue is pinpointed, address them directly with your development team or use vFunction Modernization Hub to resolve the issue.

Analyze

Analyze the application architecture in production, test, or staging with dynamic and static analysis.

Baseline

Set architectural baselines for technical debt, detected classes, dead code, common code, and high debt classes unique to your application.

Observe

Observe and actively monitor for architectural drift from the established baselines to detect anomalies indicating significant architectural erosion events.

Alert

Detect and pinpoint anomalies and threshold violations - often down to the offending Java class - and receive alerts in Slack, email, or the vFunction Notification Center to determine appropriate remediation.

Fix

Triage architecture anomalies and use vFunction Modernization Hub to re-architect or refactor issues identified.



Request a Demo

About vFunction

vFunction is the first and only application modernization platform for architects and developers that intelligently, automatically, and continuously transforms complex monolithic 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, and continuous 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.