

# Architectural observability platform

vFunction is an AI-driven architectural observability platform that increases engineering velocity, scalability, and resiliency by continuously identifying and recommending ways to reduce technical debt and complexity on AWS.



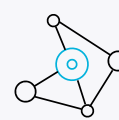
Continuously observe the architecture of Java & .NET applications, identify their domains and detect architectural drift. Find, fix, manage, and prevent architectural technical debt thereby modularizing your applications on AWS.



**Observe**  
your architecture



**Manage**  
your technical debt



**Transform**  
your applications into  
microservices on AWS

## Technical debt: an organization's greatest unaudited liability

Lack of architectural observability hinders innovation and contributes to architectural technical debt, which impacts application modularity and ultimately leads to a poor user experience.

**"By 2026, 80% of technical debt will be architectural technical debt."**

Gartner®\*

\*Source: GARTNER, Measure and Monitor Technical Debt With 5 Types of Tools, Tigran Egiazarov, Thomas Murphy, 27, February 2023. GARTNER is a registered trademark and service mark of Gartner, Inc. and/or its affiliates in the U.S. and internationally and is used herein with permission. All rights reserved.

"To help their organizations to successfully measure and monitor technical debt, software engineering leaders should: Prevent time-consuming architectural rework by introducing tools to analyze architectural technical debt and monitor the amount of debt in their software architecture." \*

Without measuring and using the right tools to manage and remediate architectural technical debt, it will become your organization's largest unaudited liability.

This creates significant compliance and off-balance sheet risks and exposure, hidden from the C-suite until it's too late. If migrating to the AWS cloud, just lifting and shifting your architectural technical debt to AWS will prevent you from realizing the true benefits of the cloud.

In summary, like financial debt, technical debt must be surfaced, tracked, and managed.

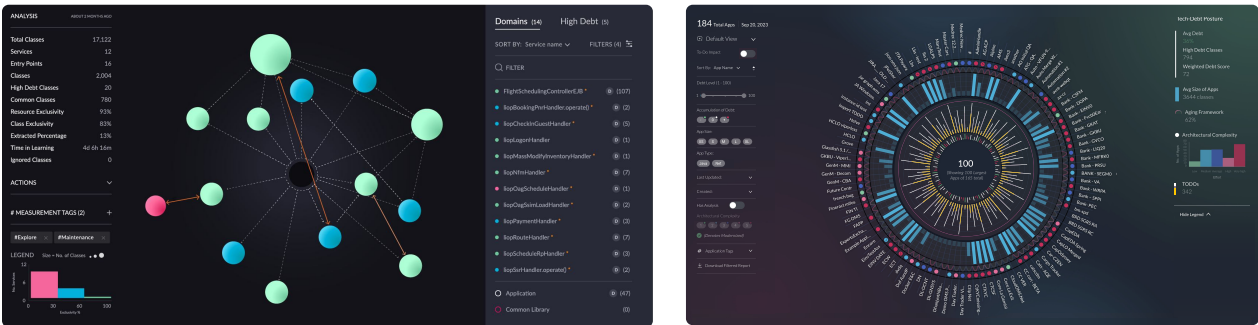
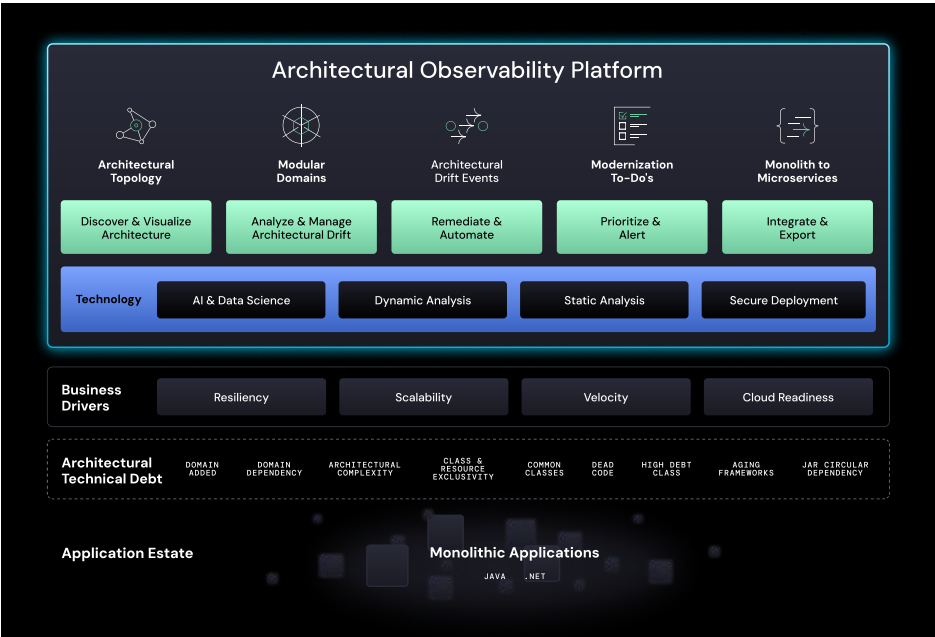
# Architectural observability

## Find, fix, and manage technical debt

The vFunction architectural observability platform analyzes an application statically and dynamically, and uses AI to understand its architecture, observe drift, find and fix architectural technical debt, enable its modularization thereby facilitating extraction of domains into microservices, using its Code Copy feature on AWS.

Architectural observability is foundational to any modernization use case, including modernization associated with pre- and post-migration to AWS, and enables organizations to improve:

- Feature release cycles
- Business velocity
- Speed of innovation
- Developer productivity
- Scalability
- Cloud benefits & cost



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### Backed by



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### About vFunction

vFunction, the pioneer of AI-driven architectural observability, delivers a platform that increases application resiliency, scalability and engineering velocity by continuously identifying and recommending ways to reduce technical debt and complexity in applications. Global system integrators and top cloud providers partner with vFunction to assist leading companies like Intesa Sanpaolo and Trend Micro in discovering their architecture and transforming applications to innovate faster and change their business trajectory. vFunction is headquartered in Menlo Park, CA, with offices in Israel, London, and Austin, TX.

To learn more, visit [www.vfunction.com](http://www.vfunction.com).