



vFunction

# Architectural Observability Platform

vFunction is the industry's first AI-driven Architectural Observability Platform to help architects understand, monitor, and manage their applications to improve modularity, scalability, and engineering velocity.

Continuously observe the architecture of Java & .NET applications; detect architectural drift; and find, fix, manage, and prevent architectural technical debt.

Observe

your architecture

Manage

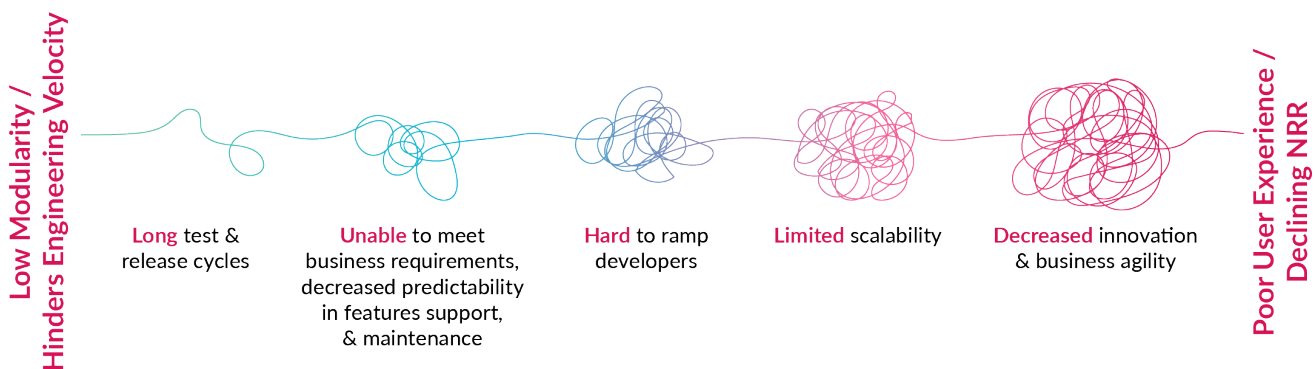
your technical debt

Transform

your applications  
into microservices

## The Consequences of Architectural Technical Debt

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\****

Architectural Technical Debt (ATD) is "a collection of design or implementation constructs that are expedient in the short term, but set up a technical context that can make future changes more costly or impossible".

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

If migrating to the cloud, just lifting and shifting ATD prevents orgs from realizing the cloud's true benefits

\* Source: Gartner, Measure and Monitor Technical Debt With 5 Types of Tools, Tigran Egiazarov, Thomas Murphy, 27, February 2023





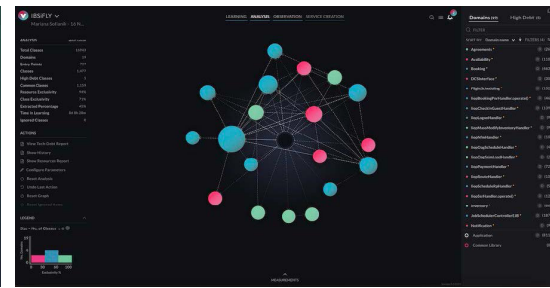
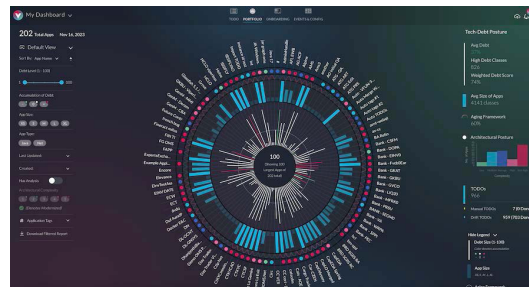
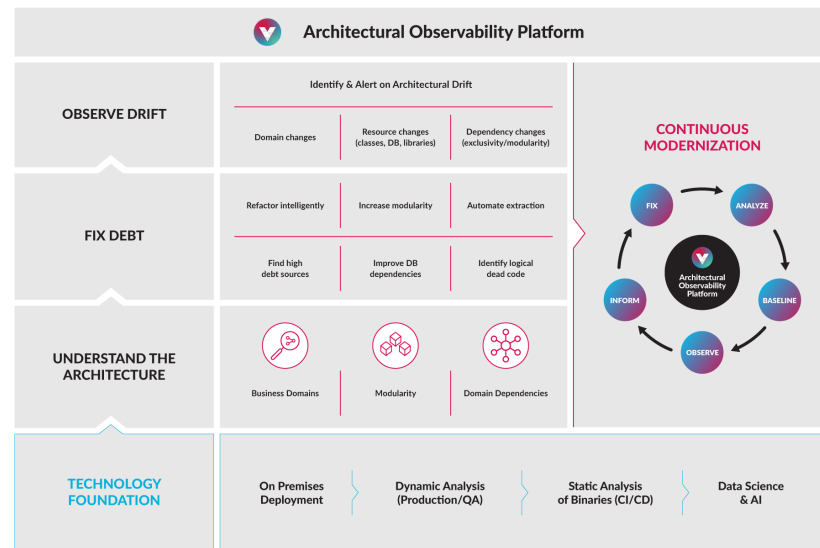
# Architectural Observability

## Find, Fix, and Manage Technical Debt

The vFunction Architectural Observability (AO) Platform analyzes an application statically and dynamically, using AI to understand its architecture, observe drift, enable modularization, and find and fix ATD. Once modular, its Code Copy capability automates the extraction of that domain's code, generates APIs, and automates needed framework upgrades, to accelerate the creation of microservices.

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

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



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### Awards & Recognition



### About vFunction

vFunction is the first AI-driven Architectural Observability Platform designed to help software architects manage technical debt, modularize applications, and enable iterative application modernization, from basic refactoring to full rewriting and microservices extraction. vFunction is headquartered in Palo Alto, CA, with offices in Israel, Austin, TX, and London, UK. To learn more, visit [vFunction.com](https://vFunction.com).

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