



AI-driven architectural modernization

Power Code Assistants to Modernize Java and .NET applications

vFunction is an AI-augmented code modernization tool focused on architectural transformation of complex applications into cloud-native services. It powers code assistants with runtime architectural insights, transforms Java and .NET monoliths into modular, microservices-based, AI-ready, apps, at least 15X faster* than traditional efforts, while automating fixes and eliminating architectural technical debt.



Modularize & Transform

Refactor/rearchitect for cloud-native. Modularize your monolith up to full microservices transformation



Reduce Cost through Elasticity

Reduce VMs bill by moving to containerized and elastic platforms



Enable Agentic Capabilities

Modularize your monolith to enable agentic capabilities. Incorporate agentic AI into your apps, module by module

Leading Use Cases for vFunction on Azure:

- ✓ Unblock stalled cloud migrations, modernize complex Java and .NET applications
- ✓ Reduce cloud VMs costs/move beyond "lift-&-shift" to containerized elastic services
- ✓ Add agentic AI capabilities, turn into modular apps for security, scalability & agility

Get Started

Explore how vFunction can accelerate your cloud modernization journey, [contact us](#) to learn more.

Trusted by global customers



Accelerate adoption of containerized elastic services and enable agentic capabilities

At vFunction, we're committed to helping customers fully leverage cloud-native services. From on-prem and VMs to containers, serverless, and beyond, we partner closely with hyperscaler teams to accelerate modernization and unblock migrations—enabling customers to move beyond lift-and-shift VMs, to more scalable, cost-efficient and resilient architectures built for the cloud enabling agentic capabilities.

How it works

vFunction uses static and dynamic analysis with advanced data science to understand application architecture, identify technical debt, and generate a modernization plan that powers code assistants to modularize Java and .NET apps at scale. It combines runtime-based architectural context with GenAI to generate precise refactoring prompts for the leading code assistants.

Once modularized, vFunction can extract microservices, generate APIs, and upgrade frameworks to match cloud-native patterns.

Resources

- ✓ Available on [AWS](#), [Azure](#), and [GCP](#) marketplaces
- ✓ [1.5min vFunction as a Kiro Power Demo](#)
- ✓ [10min Deep Dive Product Demo](#)
- ✓ [AWS Case Study \(CDL, UK\)](#)
- ✓ [Azure Customer Case Study](#)
- ✓ [Funding available](#) through cloud programs

 vFunction M

GitHub Copilot

1. In your project's root directory, create or update the

```
{
  "servers": {
    "vfunction-mcp": {
      "url": "https://qa.vfunction.com/mcp",
      "headers": {
        "Authorization": "Basic *****",
        "X-VF-APP": "21b03ba5-*****"
      }
    }
  }
}
```