



# SECURE CLOUD APPS WITHOUT SLOWING DEVELOPMENT

# F5 Secure Cloud Architecture

## OVERVIEW

Organizations need to address security and other infrastructure services outside the domain of individual product or application teams—making those services available on-demand, ideally integrated into the automated build and delivery pipelines. This reduces the cognitive and expertise load demanded of each of team, enables better security and compliance capabilities, and improves overall operational efficiency.

F5's Secure Cloud Architectures enable organizations to centralize and manage enterprise-grade security and infrastructure services across environments, reducing the cost of change and freeing developers to focus on innovation.

As an F5 partner, you have an opportunity to help customers navigate the complexities of a digitally transforming world by exploring with them the benefits of a Secure Cloud Architecture approach. Secure Cloud Architecture is a framework for customer conversations. It starts by engaging with customers about critical use cases and is supported by architectural workshops designed to help them uncover their key challenges and then work with them to determine how you and F5 can help them solve.

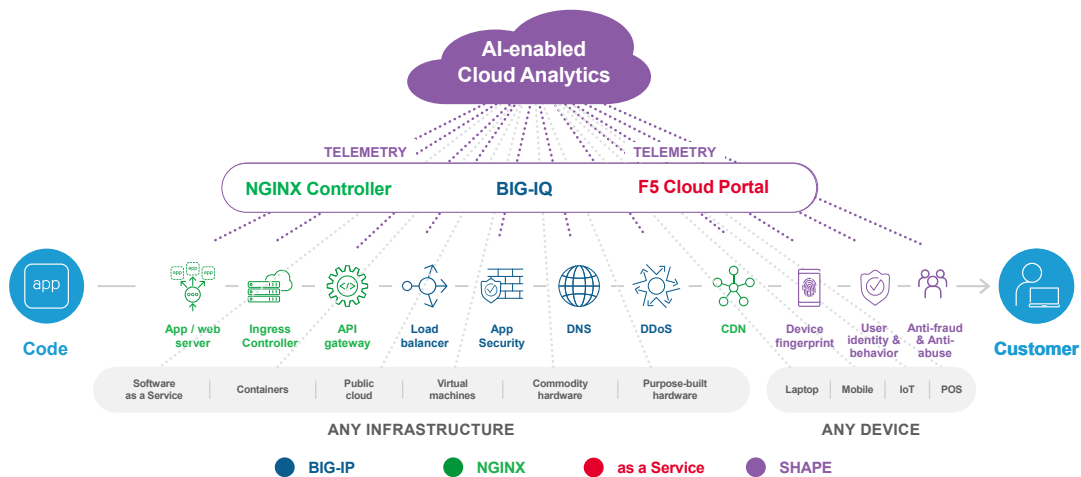
## KEY FEATURES AND DIFFERENTIATORS OF F5 SOLUTIONS THAT ENABLE A SECURE CLOUD ARCHITECTURE

- **Built-in security:** Security policies are defined and managed, then stored as artifacts in source code repositories for use in CI/CD automation pipelines
- **Increase visibility:** Better performing apps mean happier customers. Understand what's happening across the entire data path and troubleshoot performance issues fast
- **Pipeline integration:** Tight integration into Red Hat Ansible and Hashicorp Terraform simplifies the process of inheriting security and performance policies into your code pipelines
- **Performance:** Get apps to market faster by only coding what is necessary and take advantage of reusable infrastructure services like web application firewalls and authentication

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### F5 SECURE CLOUD ARCHITECTURE: BROAD TOPOLOGY AND SUPPORT



### HOW SECURE CLOUD ARCHITECTURE HELPS MAXIMIZE YOUR CLOUD INVESTMENTS

A secure cloud architecture provides security, network operations, and DevOps teams with the consistency and control they need to enforce consistent policies across applications and clouds – without slowing down development. This approach enables application development and DevOps teams to diagnose and remediate issues with the apps using self-service tools specifically designed for them. This accelerates the implementation of proactive application health and performance remedies to rapidly optimize apps before and after deployment.

#### PROVIDE YOUR TEAMS WITH THE TOOLS THEY NEED

- Declarative APIs
- Ensure your DevOps teams realize the value of versatility by employing the F5 Automation Toolchain to enable more efficient app provisioning and configuration.
- Cost-effectively manage application-specific configurations using a declarative model by incorporating Application Services 3 Extension.

#### INCREASE APP SPEED, THROUGHPUT, AND REPEATABILITY

- Realize the benefits of advanced application delivery services, the same as your app stack
- Manage using source control
- Easily integrate into your CI/CD pipeline

#### ALWAYS CONSIDER THESE FOUR BUSINESS OUTCOMES

- Operations, governance, and compliance efficiency
- Flexibility to adapt with the business
- Spend optimization
- Ability to accelerate innovation and empower developers

