



# The F5 Guide to AWS Migration



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Regardless of deployment location, applications are often dependent on advanced services to boost performance and safeguard against threats. This can make the task of transitioning them to the cloud without impacting business operations a complex and daunting process. Determining how to replicate on-premises configurations while implementing architectural best practices and optimizing TCO is by no means intuitive, and usually requires considerable planning and preparation. And beyond stack relocation, cloud migrations usually involve a shift toward more automated and orchestrated operations, allowing apps to become more agile and elastic in nature—again, something that may not be easily achieved without guidance or support.

In recent years, F5 has helped many of its customers successfully migrate their apps and app services to the cloud. F5's Migration Guide for AWS consolidates our cloud migration expertise, to support you in transitioning your apps and app services to the cloud with confidence. The guide makes recommendations for two distinct phases of a typical AWS migration: the initial "Lift and Shift", as well as modernization efforts aimed at improving operational efficiencies. The guide includes the following topics:

### PHASE 1 PLANNING: LIFT AND SHIFT

#### What migration components are discussed?

- F5 Lift and Shift best practices
- Evaluation and migration of BIG-IP configurations
- Instance and performance sizing
- Deployment simplification with AWS CloudFormation Templates

#### Which teams should be involved?

- System Architects
- Migration Team
- Application and Security Teams

### PHASE 2 PLANNING: MODERNIZATION

#### What modernization efforts are discussed?

- Application modernization
- Enabling elastic, auto scaling applications and service tiers
- Automating the discovery of workloads
- Transitioning from imperative to declarative configurations

#### Which teams should be involved?

- Application Teams
- Automation Teams
- Infrastructure Staff
- Security Teams

Reach out to your F5 migration consulting partner for assistance, or contact [AWSteam@f5.com](mailto:AWSteam@f5.com).