



F5 DISTRIBUTED CLOUD SERVICES. A REMARKABLE SYMPHONY.

**THE PLATFORM FOR THE MODERN
APPLICATION-DRIVEN ENTERPRISE**



WHAT IS F5 DISTRIBUTED CLOUD SERVICES?

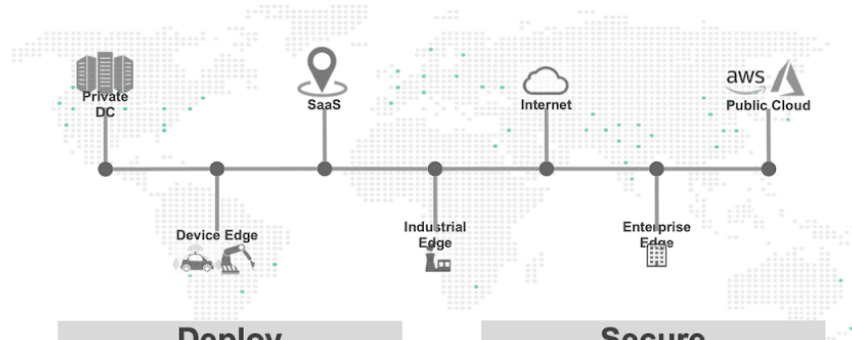
F5 Distributed Cloud Services are SaaS-based security, networking, and application management services that can be deployed across multi-cloud, on-premises, and edge locations.

As enterprises embark on digital and autonomous transformation, they are adopting multiple cloud providers to consume best of breed platform services and moving their applications closer to end users or machines that are generating enormous amounts of data. The F5 mission is to enable customers to harness the power of distributed applications and data with their platform for distributed cloud services. This platform provides the ability to build, deploy, secure, and operate applications and data across multi-cloud, on-premises, and edge locations.

The F5 Distributed Cloud operates a SaaS service to provide application management, infrastructure, and secure connectivity services across distributed customer sites in public cloud, private cloud, or edge sites. F5 Distributed Cloud operates its own infrastructure with global points of presence (PoPs) and private backbone that is used to provide secure connectivity across distributed sites.



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Build
...distributed & resilient apps for any infrastructure & platform
VoltKit

Deploy
...with seamless orchestration at multi-cloud, network & edge
App Stack

Secure
...your distributed infrastructure, connectivity, apps, and data
Mesh

Operate
...your distributed infrastructure & apps like a "logical cloud"
Console

1. VOLTKIT TO BUILD DISTRIBUTED AND RESILIENT MICROSERVICES

VoltKit is a framework to build a golang microservice with a schema-first design approach. It includes all the tooling to automatically generate client, server, test and documentation from the schema and a runtime for API handling, security and storage of these objects in a database. VoltKit is on the roadmap to be available over the next few months.

2. F5 DISTRIBUTED CLOUD APP STACK TO DEPLOY APPLICATIONS ACROSS DISTRIBUTED CLUSTERS

Using a distributed control plane running in F5 Distributed Cloud global infrastructure, App Stack delivers a logically centralised cloud across multiple sites that can be managed using industry-standard Kubernetes APIs. This control plane removes the overhead of managing individual Kubernetes clusters and allows the customer to automate application deployment, scaling, security, secrets/keys, and operations. In addition to application management, App Stack also provides complete infrastructure management for heterogeneous cloud and edge environments.

3.

F5 DISTRIBUTED CLOUD MESH TO CONNECT AND SECURE DISTRIBUTED MICROSERVICES OR LEGACY APPLICATIONS

Using a proxy-based and zero-trust architecture, Mesh delivers a range of connectivity and security services like anycast, global load balancing, VPNs, routing, network security, DDoS protection, service discovery, application load balancing, API request routing, and API security. These services can all be controlled using unified identity and policy to securely connect application clusters within a single cloud location, across cloud locations or providers, across edge and cloud, and to/from the public internet.

4.

F5 DISTRIBUTED CLOUD CONSOLE TO OPERATE DISTRIBUTED ENVIRONMENT

Using a SaaS portal, customers can provision services, obtain global observability, centralise logs and metrics, and create customised dashboards. The Console provides APIs that can be used for automation or integration with external services like Datadog, Splunk, etc.

App Stack and Mesh services may be consumed in public/private clouds, edge locations by deploying Nodes. In addition to consuming these services in your sites, it is also possible to consume these services entirely from F5 Distributed Cloud global infrastructure without the need to deploy any Node. The global points of presence (PoPs) are interconnected using a dedicated and redundant private backbone, multiple transit and peering connections for direct connectivity across multiple cloud providers, enterprise cloud and edge locations, and telecom operators. These PoPs serve three purposes:

1.

Provide customers security, reliability, and connectivity services for their applications - from the public internet, across multiple cloud providers, or from edge to cloud

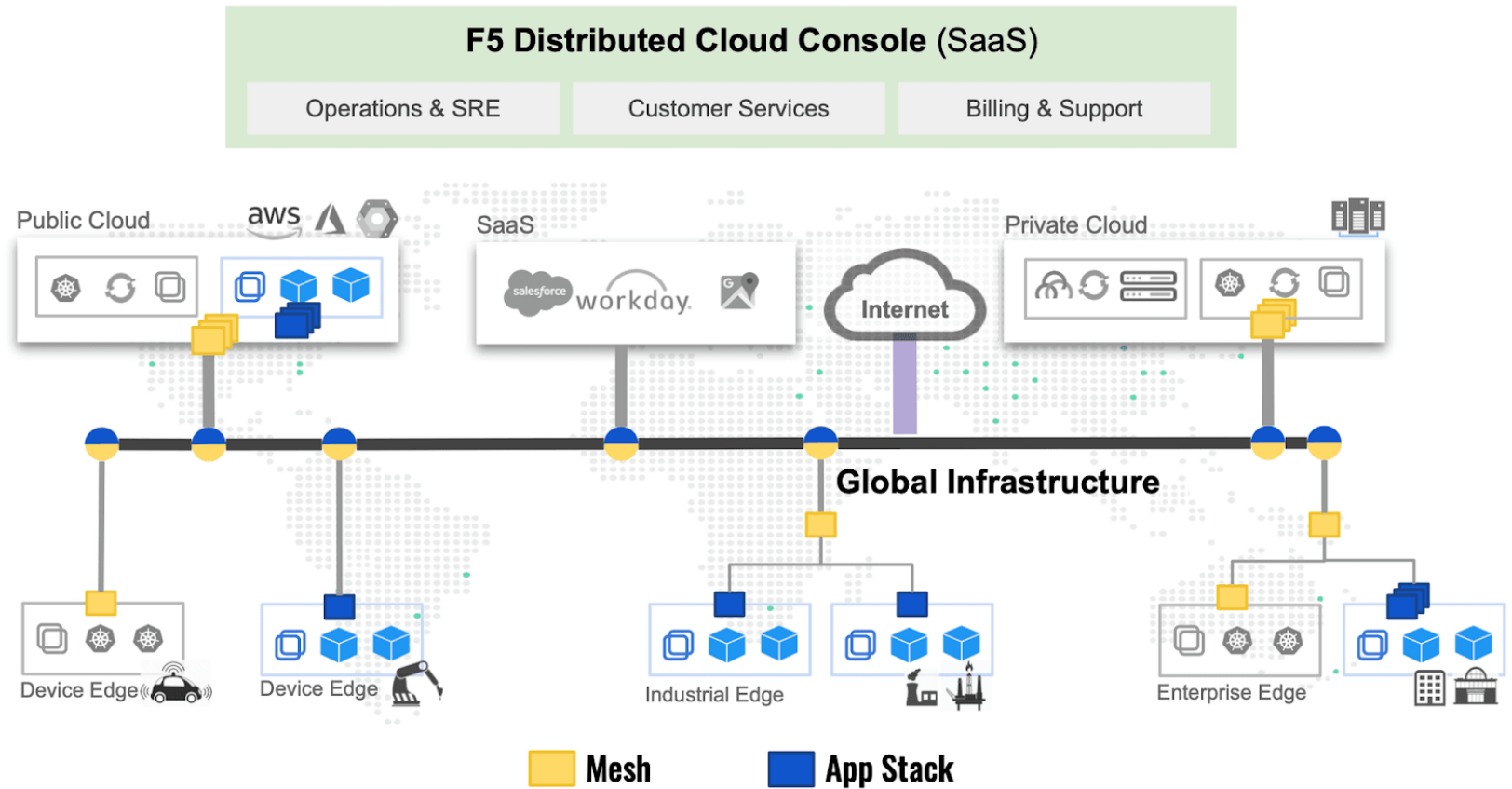
2.

Give customers the capability to offload high performance or latency-sensitive workload

3.

A globally distributed control plane for F5 Distributed Cloud software running on the customer's edge or cloud site

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The picture above depicts an end to end view of how App Stack and Mesh services can be enabled within a single cloud, across multiple clouds, across multiple sites, and/or within F5 Distributed Cloud global infrastructure.

READY TO TAKE THE NEXT STEP?

F5 Distributed Cloud Services is the platform for today's application-driven enterprise. Now is the time to introduce your customers to a better way of managing interoperability in today's highly distributed, hybrid multi-region, multi-cloud and SaaS environments.

Start the conversation now for:



Simplified Management



Enhanced Security



Increased Agility



Faster Time To Market

Visit the Exclusive Networks F5 Landing Page Here for more information



Visit - <https://docs.cloud.f5.com/docs>

This is the official documentation repository of F5 Distributed Cloud Services.

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