



# Migrating from BIG-IP Classic to BIG-IP Next with Central Manager Migration Assistant

# The Promise of BIG-IP Next...

The teams we talk to tell us that they spend too much of their time liaising with lines-of-business stakeholders, trying to find a window that works for everyone to upgrade their BIG-IPs.

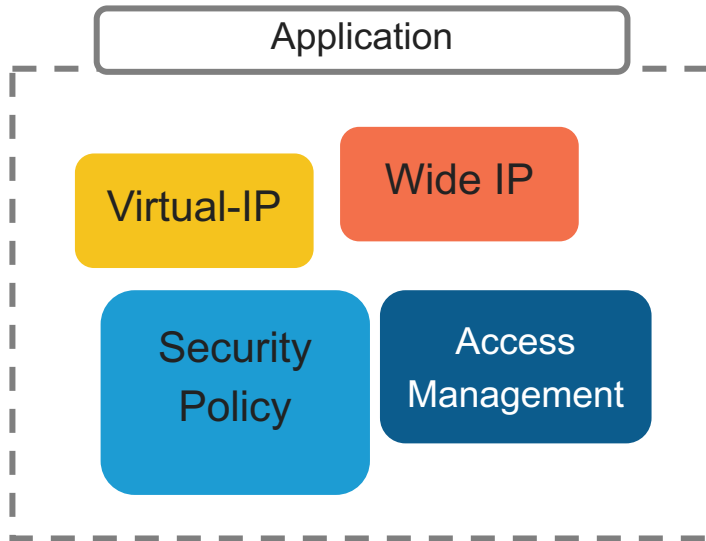
When they finally agree on a time, the upgrade usually happens at 2am on a Saturday morning, takes many hours, and often forces them to backout the update on Monday when something breaks, only to start over again...

BIG-IP Next, in all of its modules, will greatly improve the lives of people like this.

# Re-thinking app delivery

*What it was in the past vs. what it is with BIG-IP Next*

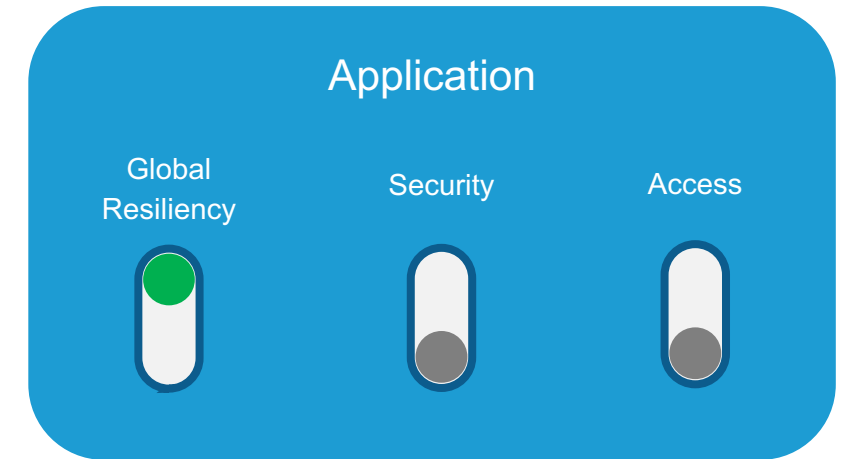
## What App Delivery Used to Look Like:



*Complex*  
*Sprawling*  
*Cumbersome*

*Inefficient to maintain*  
*Inefficient to secure*  
*Challenging to coordinate*

## What App Delivery Will Look Like With BIG-IP Next:



*Simple*  
*Contained*  
*Streamlined*

*Easy to maintain*  
*Easy to secure*  
*Easy to manage*

# Migration Assistant

*BIG-IP Next LTM*

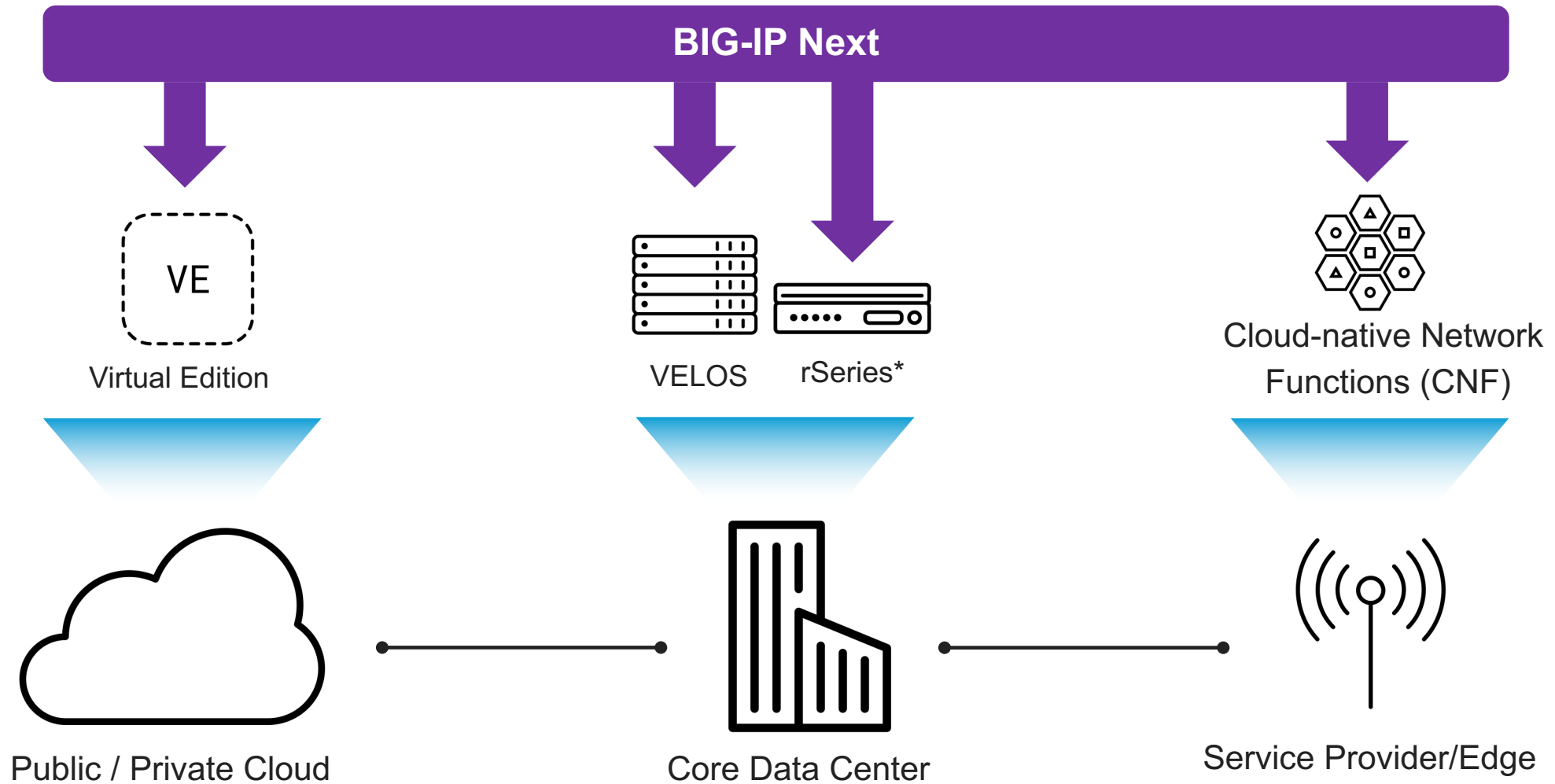
# **Use Case Lab: Migration to BIG-IP Next**



# BIG-IP Next Systems & Migrations

*BIG-IP Next LTM*

# Form factors for distributed app portfolios





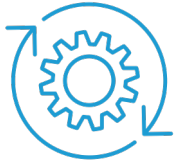
# BIG-IP Next LTM - VELOS Support

Component Details	VELOS CHASSIS	VELOS BLADES
	 <b><i>CX410 Chassis</i></b> <ul style="list-style-type: none"><li>• 4 RU</li><li>• 8-slot</li></ul>	 <b><i>BX110 Blade</i></b> <ul style="list-style-type: none"><li>• 95Gbps L4</li><li>• 95Gbps L7</li><li>• 3M L7 RPS</li><li>• 1.2M L4 CPS</li></ul>

## VELOS – F5’s Next Gen, rearchitected Chassis:

- **API-centric** architecture, fully automatable with iRules and AS3
- **Higher density** resources per rack unit
- **Multi-Tbps** total Layer 4-7 throughput
- **Multi-tenancy** and flexibility to support multiple blade groupings
- **Redundant System Controllers**, mix and match blades on single chassis
- **Concurrently run BIG-IP TMOS & BIG-IP Next**

# BIG-IP Next LTM on Virtual Edition (VE)



## Reduced instance spin-up times

Deploy only the modules & services required, reducing instance size and spin-up times.



## Unified User Interface

An app-centric user interface improves usability and streamlines app deployment & configuration.



## Automation Toolchain Integration

Automation Toolchain components, including AS3 and FAST, are built-in to BIG-IP Next LTM.

Leverage a new device onboarding API, providing telemetry export abilities to third party analytics, preventing the need to install extensions separately.

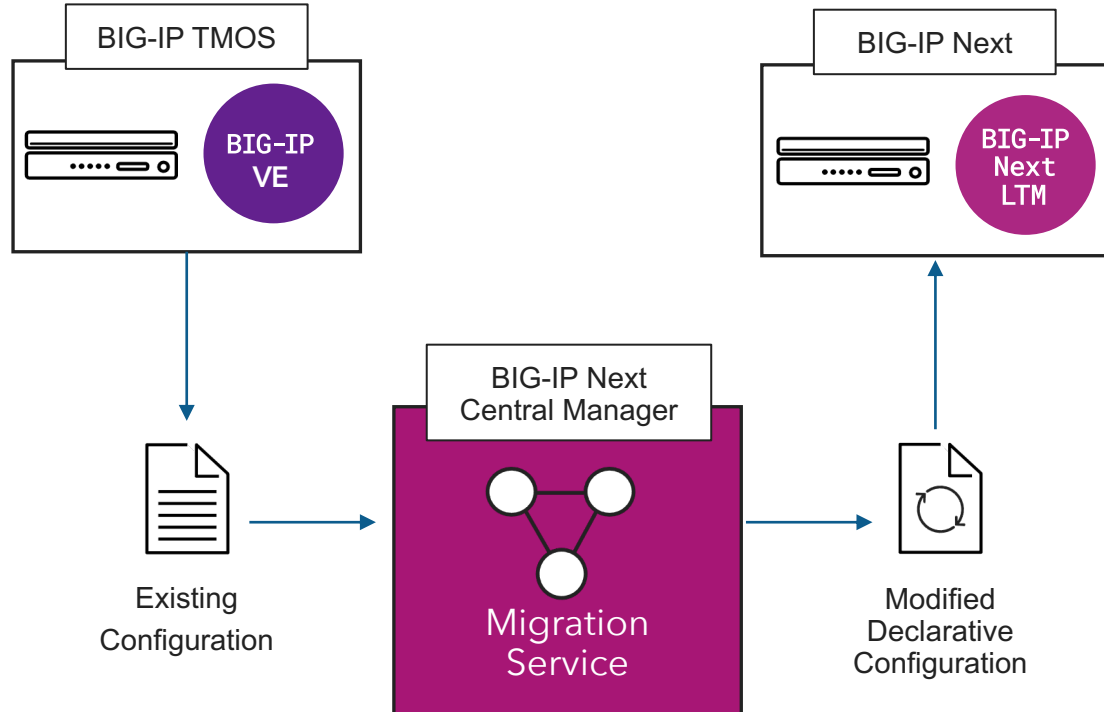


## Comprehensive Fleet Management

Perform management and configuration tasks across BIG-IP Next LTM fleets from one centralized management interface with no individual instance management required.

# Migrate to BIG-IP Next LTM

*Use the Migration Service tool inside BIG-IP Next to expedite app migration from BIG-IP TMOS to BIG-IP Next*



- Modify configs from earlier BIG-IP versions (v12.1+ and later) to be compatible with BIG-IP Next
- Convert BIG-IP UCS/AS3 files into AS3 declarations for BIG-IP Next
- Automatically identify and resolve migration issues
- Post-migration diagnostics & metrics to assess device health and status
- BIG-IP Next Migration Service supports:
  - Entire BIG-IP config migration
  - Per-app migration

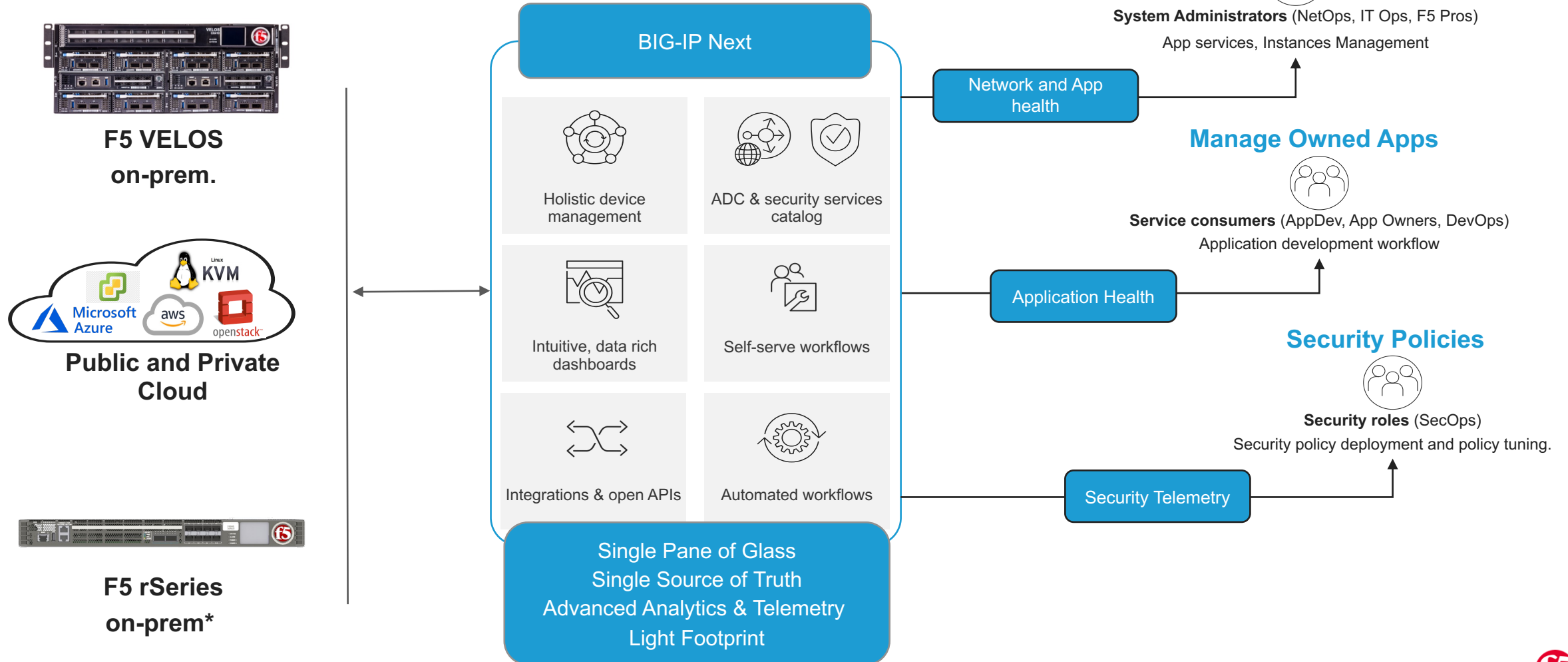
*Free & Opensource on GitHub: [f5devcentral/f5-journeys](https://github.com/f5devcentral/f5-journeys)*

# Centralized Management in BIG-IP Next

*BIG-IP Next utilizes one user interface (UI) through which customers interact with their BIG-IP Next deployments. It is installed as the default, native UI on every instance of BIG-IP Next.*

# Centralized Management in BIG-IP Next:

*Control your apps, instances, and modules from one location*



# Deploying Apps with BIG-IP Next

- Deploying apps has never been easier or more user-friendly than it is with BIG-IP Next LTM.
- Track application health, monitor deployment progress, or edit/append iRules all from one central control panel.

## Create Application

**iRules**

APP SETTINGS

- Properties
- Pool Properties
- Pool Members
- Protocols & Profiles
- Security Policies
- iRules**
- Summary

☒ Use iRules

Filter

+ Add Remove

Name	Version
<input type="checkbox"/> udf_demo_xff	v2

Search

- ✓ v2
- v1
- Clear Selection

1 item

Cancel & Exit Back Next Deploy

**My App Services**

Health: 4 (Critical: 1, Moderate: 1, Healthy: 1, Unknown: 1)

Active Alerts: 5 (Critical: 3, Warning: 2)

WAF: 2 OF 4 (Blocking: 1, Transparent: 1, No Policy: 0)

Health	Name	Instances/Locations	Security Policies	Last updated
<input type="checkbox"/> Unknown	TVS-Login <b>Draft</b>	Deploying to 1 Instance	None	1m ago
<input type="checkbox"/> Unhealthy	TV-Streaming-Support	3	WAF	2m ago
<input type="checkbox"/> Healthy	TV-Streaming-Catalog	3	WAF	30m ago
<input type="checkbox"/> Critical	TV-Streaming-Promotions	3	None	2d ago

4 Items

App service will always be marked as a Draft before deploying

Status changes to reflect progress

Displays when any object task is started

Deployment started TV-Streaming-Support View

Watch the demo

