

# Enabling Dynamic Application Delivery Network Services

It's critical that today's enterprise IT leaders build a network infrastructure that is designed to scale and flex rapidly and efficiently to meet evolving business demands.

Application delivery networking (ADN) is becoming more complex and requires comprehensive, interoperable solutions that are highly available, performant, scalable and secure.

ADN faces the challenge of having to map applications to dynamic, not static, environments where applications are short-lived and constantly changing. BlueCat, together with F5's Application Delivery Controller, can solve this challenge.

The integration of BlueCat DNS and IP Address Management with F5 brings together powerful, market-leading solutions that complement each other. Together, they drive efficiencies to support automation, interoperability and a secure network environment.

## SEAMLESS INTEGRATION FOR OPTIMAL EFFICIENCY

BlueCat version 8.1.0 or later integrates with the F5 Local Traffic Manager (LTM server) and the F5 BIG-IP DNS® servers for application delivery control. This integration enables interoperability between the two solutions, delivering enhanced DNS management, visibility and scalability with superior application delivery.

BlueCat delivers powerful DNS management functionality to F5 that offers a range of benefits for enterprises. The integration drives efficiency across IT teams and supports automation, thereby greatly reducing the risk of manual errors.

## MOVING FROM A STATIC TO A DYNAMIC DELIVERY OF ADC SERVICES

In today's network environments, mapping the host name to an application then the application to the device is handled by two static transactions. However, this is highly inefficient. With BlueCat, this static process becomes dynamic in that the mapping can occur dynamically via a single pane of glass. This interoperability is achieved through BlueCat's open integrations with F5's Application Delivery Controller (ADC). You benefit from a single view of the data, enabling better security, auditability and traceability.

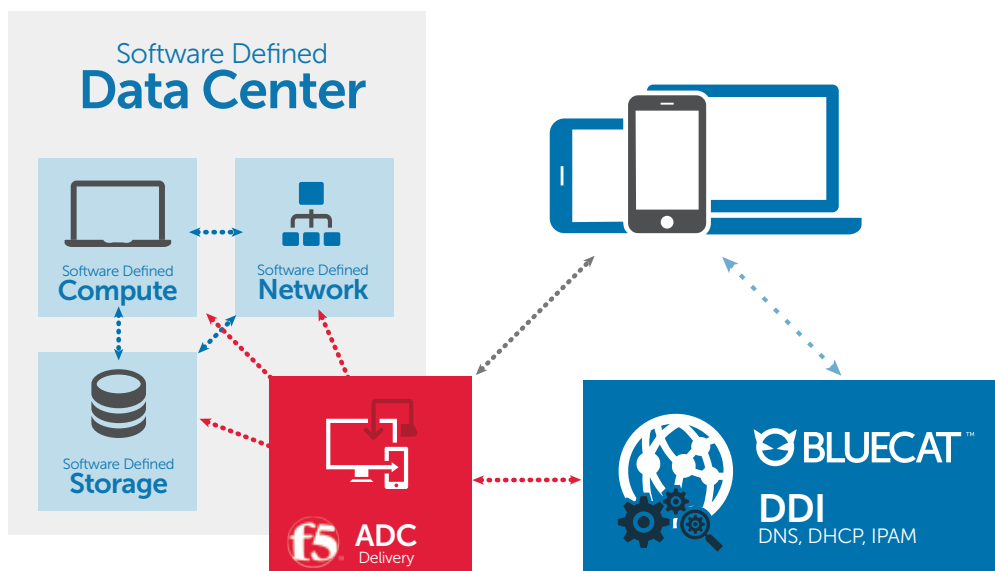


Figure 1. BlueCat and F5 Integration

## BLUECAT AND F5 – ONE PLUS ONE EQUALS THREE

The BlueCat and F5 joint solution creates significant enterprise value by simplifying your network administration. This results in a significant boost in overall enterprise value.

- **Streamlined network administration:** Using the BlueCat Address Manager, the team that manages DDI (DNS, DHCP and IP Address Management) can use F5 commands to add/remove/modify the DNS servers and, if the DNS/DHCP solution requires maintenance or changes, they don't have to involve the F5 team.
- **Independence:** F5's DNS services can be configured as a slave to a dedicated industry-leading DNS solution. You are not locked in to specific technologies. Further, with BlueCat, you are free to let your business requirements drive how the DNSSEC signing is executed. You are not locked in to a particular vendor or process.
- **Increased insights for better control:** BlueCat provides a single pane of glass that provides visibility into your data. This supports the auditability and traceability of device, application and IP assignment across the entire ADN.



### ABOUT F5 NETWORKS

F5 Networks, Inc. specializes in application delivery networking (ADN) technology that optimizes the delivery of network-based applications and the security, performance, availability of servers, data storage devices, and other network resources. The company helps organizations seamlessly scale cloud, data center, and software-defined networking deployments to deliver applications to anyone, anywhere, at any time.



### ABOUT BLUECAT

BlueCat delivers software-based DNS solutions that enable our customers to build and manage their most complex network infrastructure to meet the rapid pace of change of their business. With offices around the globe, leading enterprises trust BlueCat. For more information visit [www.bluecatnetworks.com](http://www.bluecatnetworks.com).