F5 and Cisco

SOLUTION OVERVIEW

F5 and Cisco offerings

- F5 BIG-IP Local Traffic Manager
- F5 iRules scripting language
- Cisco Identity Services Engine

Device Identity Management Services Made Scalable with F5 and Cisco

Everyone is looking for ways to reduce OpEx, whether by improving productivity, minimizing touch points, or automating more tasks. With workloads migrating to the cloud, and with the emergence of the BYOD model and the Internet of Things, corporate IT is pressed to address the ever increasing need for network device administration, authentication, and security. IT also must be able to apply scalable, dynamic policies for both devices and users, at corporate headquarters and geographically distributed sites.

The combined solution of F5® BIG-IP® Local Traffic Manager™ (LTM) and Cisco Identity Services Engine (ISE) can help you solve these challenges—at scale—and build a more productive enterprise by:

- Seamlessly and securely scaling BYOD endpoints.
- Optimizing and scaling administrative network device traffic.
- Securing access control of network resources.
- Gaining superior visibility into users and devices.
- Ensuring stickiness with the same node in the ISE cluster that services requests.

The F5 and Cisco Solution

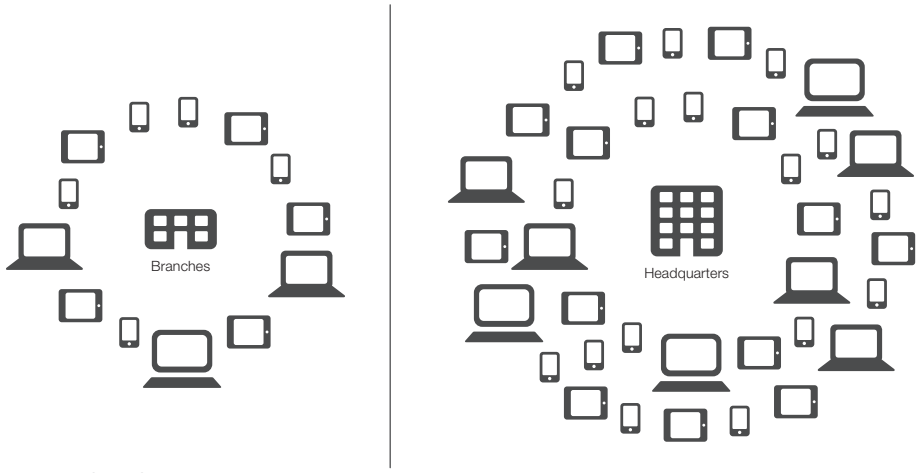
Cisco ISE is a policy management platform that unifies and automates access control to proactively enforce role-based access to enterprise networks and resources, regardless of how a user chooses to connect. F5 BIG-IP LTM helps deliver applications to users reliably and scalably.

With the F5 BIG-IP LTM and Cisco ISE solution, you can:

- Significantly improve performance, scalability, and availability for secure corporate LAN access traffic (ISE RADIUS, profiling, and web service).
- Optimize corporate LAN authentication, profiling, and database replication traffic by ensuring stickiness with the same node in the ISE cluster that services requests.
- Enable health monitoring and high availability of ISE servers using F5 load balancer probes.
- Simplify network device configuration and facilitate the addition, change, and removal of the same in centralized servers.

As we look at ways to provision thousands of BYOD endpoints, ISE devices need to be clustered so the policy service nodes (which offer run time network device services such as posturing, profiling, guest web services, and AAA) can be configured to address up to 250,000 endpoints.

As you cluster the ISE devices, you must load balance traffic. In cases such as device profiling, you must also ensure that traffic flow persists with the same policy server that was providing load balancing. With F5 BIG-IP LTM, you can perform both load balancing for the ISE policy node clusters and health monitoring of the same ISE servers. Most important, you can apply persistence profiles across virtual servers with the highly customizable F5 iRules® scripting language.



BIG-IP LTM load balances policy services traffic pertaining to ISE clusters and helps scale identity management for BYOD endpoints.

Learn more

To learn more about the F5 and Cisco alliance, visit f5.com/cisco. You can also read more about the Cisco Identity Services Engine on cisco.com.

F5 Networks, Inc. 401 Elliott Avenue West, Seattle, WA 98119 888-882-4447 f5.com

Americas info@f5.com
Asia-Pacific apacinfo@f5.com
Europe/Middle-East/Africa emeainfo@f5.com
Japan f5j-info@f5.com

Solutions for an application world.