

F5 Networks – Architecting BIG-IP® in an Application Delivery Network

Vendor Course Code: F5 ARCH

Course Length: 2 days

Overview: This two-day course gives networking professionals an understanding of how to architect and design BIG-IP devices into an application delivery network. The course builds on the foundation of the BIG-IP Local Traffic Manager (LTM) Essentials and Advanced Topics courses, demonstrating the next steps for implementing BIG-IP in a way that effectively delivers your client applications. The labs for the course involve design exercises and group discussions. Based on the knowledge gained in other BIG-IP LTM courses, you will work with other students to build network designs that incorporate BIG-IP LTM to accomplish customer goals. The course will cover many network design options, as well as best practices for given customer scenarios. The course will also explore other design options available using BIG-IP Global Traffic Manager, BIG-IP Link Controller, BIG-IP Application Security Manager, BIG-IP Message Security Module, and BIG-IP Web Accelerator.

Skills Gained: By the end of this course, the student will be able to design and architect BIG-IP LTM systems into network configurations that take into account applications being delivered to clients in a secure, fast and reliable way.

Key Topics:

- Implementing BIG-IP in the Network
- Routing, SNATing, nPath (Direct Server Return) and Bridging
- Virtual Server and SNAT applications
- BIG-IP Availability
- Active / Standby best practices
- Multi data centre availability including BIG-IP GTM and Link Controller
- BIG-IP LTM's role in Security
- BIG-IP as a default deny device
- BIG-IP's part in a security architecture
- Optional software modules available (ASM and MSM)
- Application Delivery
- BIG-IP Application features
- Latency's effect on applications
- Overcoming WAN impacts on applications
- Optional software module available (Web Accelerator)

Target Audience: This course is intended for experienced users of the BIG-IP LTM system including system and network administrators and architects responsible for network design.

Prerequisites: Prior to attending the Architecting BIG-IP in an Application Delivery Network course the student must have attended the BIG-IP LTM Essentials and Advanced Topics courses. The student can also benefit from several months experience configuring and designing with the BIG-IP LTM product before attending this course.

Students should also understand:

- TCP/IP Addressing and Routing including:
- The Address Resolution Protocol
- Direct and Indirect Routing
- TCP Handshakes
- Common elements of and differences between WAN and LAN components.
- Network Application design concepts.