Application Ready Network for SAP

F5 ensures that applications running over the network are always secure, fast, and available

Key Benefits:

F5's Application Ready Network for SAP

- Cuts SAP Enterprise Portal login time by more than half for WAN users

- Speeds document downloads by 4.5x for DSL users, and 40x to 177x for high bandwidth connections

- Reduces SAP server CPU utilization by 44%

- Provides a 20x reduction in the number of SAP server-side connections

- Significantly reduces bandwidth costs associated with delivering SAP applications over the WAN

Integration Overview

As the global leader in Application Delivery Networking, F5 brings proven experience in application performance, acceleration, availability and security to SAP® customers. F5 is pleased to announce that the FirePass SSL VPN, BIG-IP Local Traffic Manager and WANJet appliance have been certified by SAP for integration with SAP ERP 6.0 based on NetWeaver 7.0.

SAP, the world's largest business software company, provides a comprehensive range of enterprise software applications and business solutions to empower every aspect of business. SAP addresses modern business needs through enterprise SOA architected solutions, which can be deployed over the Local Area Network (LAN), as well as the Wide Area Network (WAN). To no small extent the performance of the network can impact the performance of an overall application and network IT landscape. And this is where F5's Application Ready Network can help.

F5's Application Ready Network for SAP provides a centralized and high powered platform that enables applications running on SAP to perform faster and consume fewer resources. F5 products are designed to share powerful attributes across platforms and products, to provide an integrated, universal way to intelligently manage your applications.

Features

Certified components of the SAP Application Ready Network are as follows:

- **BIG-IP® Local Traffic Manager (LTM)** is an Application Delivery Networking System for securing, optimizing and delivering applications. Key features include load balancing, TCP connection management, intelligent compression, L7 rate shaping, IPv6 gateway, advanced client authentication, SSL acceleration, fast cache, and advanced routing.

- **Web Accelerator™** is an advanced Web application delivery solution that helps organizations overcome performance issues involving browsers, Web application platforms, and WAN latency. Key features include Intelligent Browser Referencing, Dynamic Data Offload, and application-specific acceleration policies (including SAP).

- **Application Security Manager™** provides application layer protection from both targeted and generalized application attacks to ensure that applications are always available and performing optimally. Features include a positive security model, regulatory compliance, zero day defense, and secure application layer filtering.

- **FirePass® SSL VPN** provides secure remote access to corporate applications and data using a standard web browser. Features include client authentication, end-point security verification and remediation, protected client workspace and cache clean-up, secure login with a randomized key entry system, and multiple mobile device support.

- **WANJet®** WANJet is a powerful, appliance-based solution that delivers fast, steady, predictable performance for all users on a WAN. Features include adaptive TCP optimizations, Transparent Data Reduction, QoS, site-to-site SSL encryption, and more.

Architecture

The following shows a Global F5 and SAP Deployment with the SAP certified components in red text.

* Available as a module on the BIG-IP LTM system
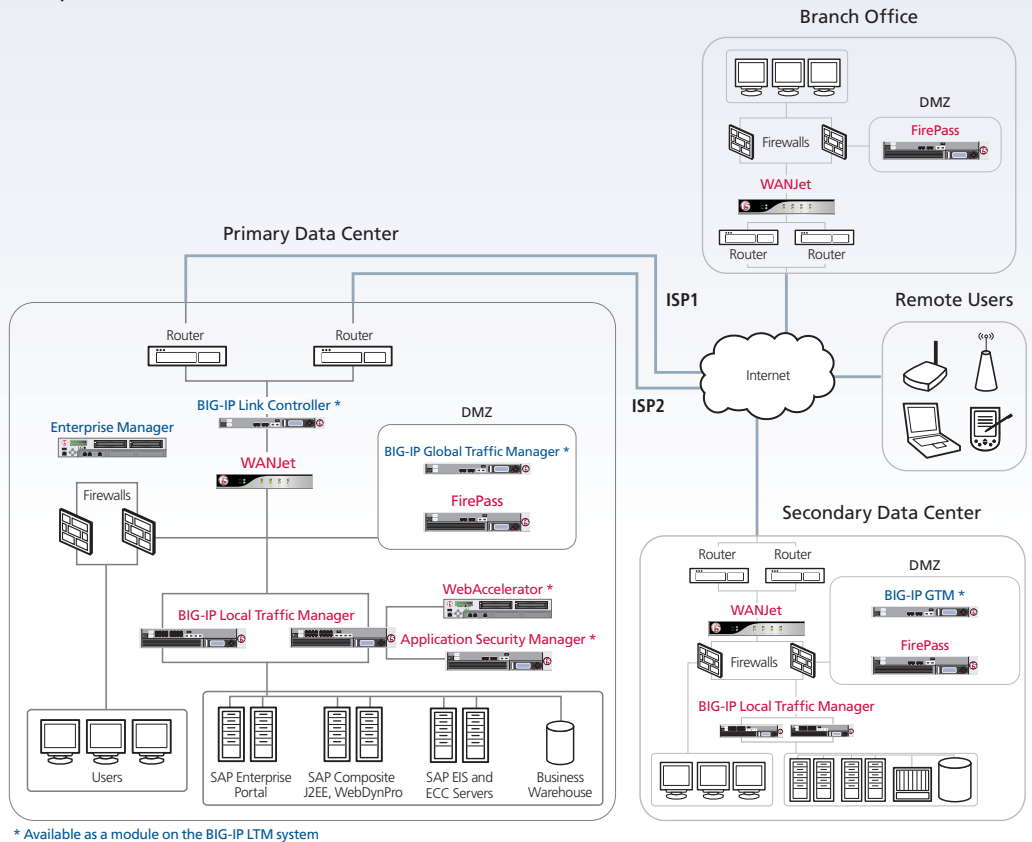
Certification Environment

F5 Hardware Platform:

- BIG-IP LTM v9 with WebAccelerator
- BIG-IP LTM v9 with Application Security Manager
- FirePass version 6
- WANJet version 5.0

SAP Platform:

- SAP ERP 6.0 based on NetWeaver 7.0

SAP Application Delivery and WAN Optimization Certifications

BIG-IP LTM Version 9 with WebAccelerator:

- Network Performance Optimization for Enterprise SOA-Based Solutions
- SOA Landscapes Access Reliability and Availability Through Networks
- Network Security for Enterprise SOA-Based Solutions

BIG-IP LTM Version 9 with Application Security Manager:

- Network Security for Enterprise SOA-Based Solutions

FirePass Version 6:

- Network Security for Enterprise SOA-Based Solutions

WANJet Version 5:

- Network Performance Optimization for Enterprise SOA-Based Solutions

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