

# F5 and Thales eSecurity Partnership

For organizations required or seeking to comply with Federal Information Processing Standards (FIPS) to secure user data and credit card information, F5 and Thales eSecurity provide a FIPS-compliant solution that is secure, high performing, and scalable. The Thales nShield Connect is a network-attached hardware security module (HSM) that delivers secure cryptographic services. Organizations with F5® BIG-IP® platforms seeking enhanced FIPS compliance on the F5 VIPRION platform® or BIG-IP Virtual Editions (VEs) are now able to benefit from high assurance Thales HSMs.

## Fast, scalable performance with FIPS compliance

Managing SSL connections efficiently and securely can be a challenge. SSL encryption/decryption is a resource-intensive process that often affects web server performance, and high-volume traffic demands secure and careful management of SSL certificates and keys. F5 BIG-IP Application Delivery Controllers (ADCs) enable organizations to efficiently manage high-volume SSL traffic by terminating SSL connections in a dedicated network appliance. Thales nShield Connect provides FIPS 140-2 Level 3 and Common Criteria EAL4+ certified protection of SSL certificates and encryption/decryption keys.

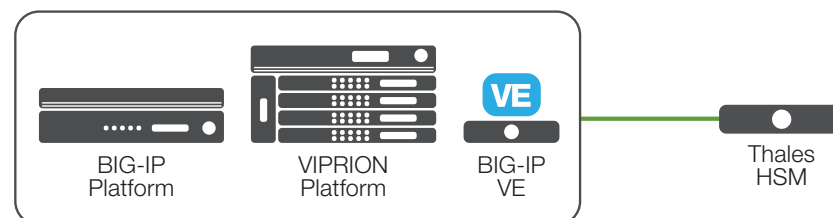


Figure 1: The F5 and Thales joint solution provides high-performance FIPS compliance.

**KEY BENEFITS:**

- Provide FIPS compliance on VIPRION and BIG-IP VE platforms.
- Improve performance, security, and scalability.
- Deliver certified, tested protection.

**FIPS compliance on VIPRION and BIG-IP VE platforms**

Thales nShield HSMs enable compliance with FIPS 140-2 Level 3 security on BIG-IP platforms such as VIPRION and BIG-IP VEs. With this joint solution, large financial, government, and other organizations that are subject to FIPS requirements can ensure their VIPRION and BIG-IP platforms are secure.

**Improved performance, security, and scalability**

F5 ADCs manage high volumes of SSL connections to enhance performance, offer a location for other security services to be delivered, and protect backend web and application servers against damaging threats such as distributed denial-of-service (DDoS), cross-site scripting (XSS), and SQL injection attacks. The BIG-IP and VIPRION platforms provide the network infrastructure to deliver high availability, scalability, and security for critical business applications.

**Certified, tested protection**

The joint solution provides FIPS 140-2 Level 3 and Common Criteria EAL4+ certified protection of SSL certificates and encryption/decryption keys. F5 PKCS#11 client support on BIG-IP products has been tested and validated with the Thales nShield Connect HSM so that organizations seeking enhanced FIPS ratings can ensure their devices are compliant.

To find out how F5 and Thales joint solutions can help your business, contact your F5 or Thales sales representative at [info@f5.com](mailto:info@f5.com) or [sales@thalessec.com](mailto:sales@thalessec.com).

