



## KEY FEATURES

### *Full Analysis*

VeriSign performs a complete assessment of the total network environment, including desktop systems and server or mainframe operating systems.

### *Software Expertise*

VeriSign performs in-depth analyses of all applications, which includes the identification and classification of all programming languages as well as significant features such as forms-based interfaces, remote access functionality, and database connectivity. VeriSign configures, tests, and re-deploys all applications as needed.

### *End-to-End Security*

VeriSign engagements focus on a full range of security options, including the areas of strong authentication, access control, confidentiality, data integrity, and nonrepudiation. VeriSign also proposes a full range of enablement options.

### *Certification and Accreditation*

VeriSign offers optional Certification and Accreditation services, if required.

### *Full Reporting Support*

VeriSign prepares compliance report(s) based on DoD Instruction 8520.2.

## VeriSign® PK-Enabling Services

U.S. Department of Defense (DoD) Instruction 8520.2 requires DoD agencies and Components to upgrade all information systems (including all networks, email servers, and Web servers) to use the DoD public key infrastructure (PKI) or DoD-approved PKI. However, deploying PKI certificates to users and servers is just the first step in complying with Instruction 8520.2, which requires that all applications and data be tested for Public-Key Enablement (PKE), a rigorous set of DoD PKI standards.

VeriSign® PK-Enabling Services are designed to ensure that PKE compliance is achieved without altering the functionality and performance of an application, or hindering system flexibility and the seamless sharing of data.

### **+ DoD PKE Requirements**

The overarching goal for PKE is to enhance business processes and improve the Information Assurance (IA) posture of the DoD through the widespread use of PK-Enabled applications. IA, as defined by the DoD, includes assuring availability, integrity, authentication, confidentiality, and non-repudiation.

The goals for PKE include:

- Providing enhanced reader-to-writer security for all network, email, Web, database, and other common data-transmission systems that contain classified or sensitive information
- Incorporating required security provisions in all DoD custom applications that process classified or sensitive information
- Implementing security features so as to provide as much transparency to the end user as is feasible, consistent with sound security practices
- Facilitating the use of commercially available applications across the DoD
- Providing an effective transition strategy from currently deployed systems, processes, procedures, and capabilities to higher levels of assurance, as DoD PKI capabilities evolve



**KEY BENEFITS**

*Experience*

The VeriSign consulting team has nine years of specific experience in large-scale deployment of PKI within federal agencies and commercial entities.

*Expertise*

VeriSign personnel have best-of-breed PKI engineering talent and advanced information-security knowledge in the industry.

*DoD-Approved*

VeriSign is a DoD-approved External Certificate Authority (ECA) provider. DoD contractors regularly use VeriSign certificates for securing transactions with the DoD.

*FICC-Approved*

VeriSign is a Shared Service Provider certified by the Federal Identity Credentialing Committee (FICC) to provide PKI and smart-card solutions for Federal agencies.

*Proven*

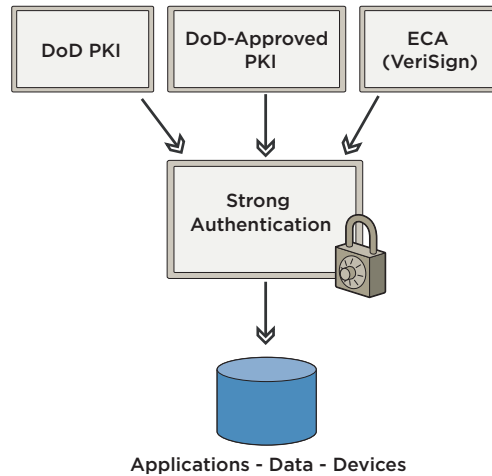
VeriSign PKI offerings have been approved for use on the Federal Bridge.

**+ VeriSign® PK-Enabling Services**

VeriSign® PK-Enabling Services follow a comprehensive series of steps to efficiently assess requirements, develop a clear plan of action, and complete PKE projects within a timely, cost-effective engagement.

As part of the PKE process, VeriSign security experts will:

- Assess applications to determine basic scope and requirements, such as identifying programming languages and PKI environments, including forms-based interfaces, remote access requirements, and database features
- Assess network environment, including the identification and categorization of desktop systems and server or mainframe operating systems
- Determine necessary enhancements commensurate with the risk to the data being protected
- Suggest areas of improvement, such as authentication (which can be strengthened by PKI certificates and tokens), access control, confidentiality, data integrity, and non-repudiation
- Compare enablement options, including the evaluation of available toolkits, custom code-development, translation of XML legacy code, and Online Certificate Status Protocol (OCSP) or Certificate Revocation List (CRL) plug-in specification and evaluation
- Configure, test, and re-deploy applications
- Perform systems certification and accreditation, if required
- Prepare compliance report based on DoD Instruction 8520.2





### + The VeriSign® Professional Services Organization

VeriSign has substantial expertise in delivering scalable and flexible strong authentication and PKI services, largely due to the expertise of its professional services organization. VeriSign has a reputation for employing knowledgeable security consultants who are committed to delivering comprehensive solutions and services that meet agencies' needs for reliable, state-of-the-art security.

Within the PKI arena, VeriSign applies a flexible approach to professional services engagements, so that it can begin working with clients at any stage of the process, such as analysis, design, implementation, testing, or ongoing 24/7 support.

VeriSign has an extensive history of successfully managing large and complex projects for its Fortune 100 domestic and international clientele. VeriSign project managers are highly skilled in technology as well as project-management and delivery, and many have over 15 years of experience. Our seasoned professionals use the globally-recognized Project Management Institute's (PMI®) ANSI-approved and ISO 9001-approved standards and processes, and ensure that project-management encompasses the entire consultative lifecycle. The end result is measured by the completeness of our solutions and the satisfaction of VeriSign clients.