

VeriSign Managed PKI Service



As online commerce, communication, and collaboration become expected, and often preferred, modes of business, network security becomes as much a function of letting the “guys” in as keeping the “bad guys” out. To integrate with business partners, provide secure access to users, ensure business continuity, and comply with government regulations, enterprises must be able to authenticate internal and external users, and reliably secure online data exchanges, transactions, and communications.

The VeriSign Managed Public Key Infrastructure (PKI) service is a fully integrated enterprise solution designed to secure intranet, extranet, and Internet applications while enabling fluid interaction with business partners, mobile workers, Web services devices, and other users. The highly scalable service allows enterprises to rapidly establish a robust PKI and certificate authority (CA) system while alleviating the burden of PKI deployment, maintenance, and oversight. Enterprises retain complete control over security policy, authentication models, and certificate lifecycle management. Built on open standards to ensure maximum flexibility, the VeriSign Managed PKI service allows interoperability with virtually any application or device, and is pre-integrated with leading off-the-shelf solutions, including Microsoft applications and Windows operating systems. By leveraging the Managed PKI service to deploy digital certificate services, enterprises can reduce the cost and complexity of PKI implementations while providing globally trusted, state-of-the-art authentication, encryption, digital signing, and non-repudiation services within and beyond the enterprise.

Comprehensive Functionality

The VeriSign Managed PKI service allows enterprises to quickly, securely, and cost-effectively issue digital certificates not only to employees, customers, and business partners, but also to Web services applications and network devices such as servers, routers, and firewalls. Centralized, auditable root key generation; key escrow; and distributed key recovery ensure maximum security and protection of private keys. Dual key-pair generation is also supported, allowing the separate issuance of encryption and signing key pairs. Internationalization features include support for UTF-8 encoding, which allows enterprise users to enroll for and display digital IDs in languages that require non-ASCII characters (such as Japanese, Chinese, and European languages).

Key Benefits

Enables rapid, widespread deployment of digital certificates

By leveraging a highly scalable managed service based on open standards, enterprises can easily issue and manage certificates to thousands of end users and network devices.

Minimizes PKI costs

The VeriSign Managed PKI delivers lower cost of ownership when compared to standalone PKI software implementations.

Supports compliance with government mandates

Enterprises can leverage digital certificate services such as authentication, encryption, digital signing, and non-repudiation to promote compliance with industry-specific regulations regarding data privacy.

Reduces risk exposure

By delegating key security tasks and processes to a proven industry leader, enterprises minimize the risks and penalties associated with improper deployment or operation of an in-house PKI.

Fast, Scalable Implementation

Easy-to-use toolkits and pre-integration with leading applications and platforms ensures rapid deployment of the VeriSign Managed PKI service on virtually any system, network, or device, whether located within the enterprise or externally. The Managed PKI service has been proven under real-world conditions to scale smoothly from thousands to hundreds of thousands of users, allowing enterprises to deploy digital certificates on an as-needed basis. In addition, because all services are hosted on VeriSign's existing infrastructure, implementation can be completed in a matter of weeks.

Secure, User-Friendly Remote Access

Pre-integrated with leading Virtual Private Network (VPN) solutions (Checkpoint, Cisco, Nortel) and support for Wireless LAN via EAP-TLS, the VeriSign Managed PKI service provides the ability to transparently use digital certificates for strong authentication in wired and wireless access environments. Roaming capabilities enable mobile end users, working from any Internet-enabled PC or device, to seamlessly use digital certificates when accessing intranets, extranets, Web applications, and Web portals. Depending on business requirements, enterprises can choose an entry-level, single-server model roaming service or a more robust, multi-server model service. Finally, integration with smart cards, USB tokens, Trusted Platform Modules on Intel Centrino based PCs, enables the use of a variety of two-factor authentication solutions for remote access.

Long-Range Flexibility

VeriSign's commitment to open standards, innovative technology, and strategic collaborations ensures the flexibility and ease of use that enterprises need to not only operate freely in diverse environments, but also maximize return on existing investments. The VeriSign Managed PKI supports standard certificate types including S/MIME, SSL, and IPSec, as well as industry standards such as X.509v3, LDAP, and PKCS 7, 10, and 12. The Managed PKI operates on current versions of popular browsers such as Internet Explorer and Netscape and operating systems including Windows, Solaris, and AIX. A Java-based or Active X plug-in—the VeriSign Personal Trust Agent, or, PTA—enables enterprises to present a common, brandable user interface for digital certificate services, even in heterogeneous subscriber platform environments.

Tight Integration with Microsoft Applications

VeriSign has teamed with Microsoft to offer security services based on Microsoft Windows Server 2003. Built on Microsoft Windows Server 2003 and VeriSign Managed PKI services, this next-generation PKI platform allows enterprises to easily deploy digital identity management solutions to thousands of end users and enables seamless interoperability across heterogeneous systems and enterprise networks. The new platform will utilize the auto-enrollment capabilities in Microsoft Windows Server 2003 and Windows XP to enable rapid deployment of applications, such as secure e-mail, file protection and digital signatures. In addition, the solutions are particularly well suited to supporting secure access to corporate networks through wireless LANs, VPNs and other applications.

Industry Compliance

The VeriSign Managed PKI is the first managed PKI to achieve Federal Bridge Certification Authority compliance, allowing enterprises to interoperate easily with federal agency PKIs. In addition, the VeriSign Managed PKI helps enterprises comply with industry-specific government mandates regarding the protection, availability, and auditability of sensitive data. Using Managed PKI services, healthcare services providers, financial institutions, government agencies, insurance companies, and other organizations can authenticate, encrypt, sign, and audit data exchanges to support compliance with federal regulations such as the Health Insurance Portability and Accountability Act (HIPAA), California Senate Bill 1386, the Gramm-Leach-Bliley Act, and 21 CFR Part 11.

Key Benefits cont'd

Securely opens the enterprise to trading partners

Digital certificates enable enterprise users to conduct secure transactions and communications with virtually anyone, anywhere.

Promotes adoption by partners, customers, and suppliers

VeriSign's proven platform is recognized and trusted throughout the world, encouraging rapid adoption of PKI-enabled services, both within and outside the enterprise.

PKI Modernization Program

In response to the growing trend of companies moving away from proprietary PKI software systems, VeriSign is offering a program to enable enterprises and government agencies using proprietary PKI vendor software to quickly, easily, and cost-effectively migrate to VeriSign's next-generation Managed PKI services. Special pricing incentives and technical assistance is available for customers looking to upgrade from proprietary software to next-generation PKI service solutions.

Managed PKI Features

CORE FEATURES

Common authentication mechanism for multiple applications:

- Trusted Messaging (Microsoft Exchange, Lotus Notes, AOL Instant Messenger)
- Secure VPN (Checkpoint, Cisco and Nortel)
- 2-Factor Authentication (Aladdin, Authenex, ActivCard, Schlumberger)
- Secure Forms (Adobe, Evincible)
- Web Services (Trust Gateway service)

Local Hosting

- Customer may localize, brand and host end-user enrollment pages

Full certificate lifecycle management

- Control Center which gives enterprise administrators full control over enrolling, approving, revoking, and renewing digital certificates

Flexible authentication methods:

- Manual authentication
- Passcode authentication
- Automated administration

Hosted Certification Authority

- VeriSign hosts and operates the CA infrastructure on behalf of the customer
- 24X7X365 Data Center operations
- Disaster recovery

Gold support program

Service Level Agreements with optional NetSure warranty program

VeriSign Trust Network (VTN)

- Customers who have a public CA can leverage the VTN which is governed by VeriSign's Certificate Policy and Certification Practices Statement (CP/CPS)

VALUE ADDED FEATURES

Key Management Services

- Secure escrow and recovery of private keys

Roaming Services

- Enables users to access their digital
- Single or multi server model entirely hosted at customer site, split between customer site and VeriSign data center, entirely hosted at VeriSign data center
- Support for existing LDAP directory (customer hosted model)

Premium Validation

- CRLs that are updated hourly
- OCSP for real-time certificate validation

Platinum Support Program

- 24X7 X365 help desk support
- Pre-production system for testing and development
- Assigned Support Manager

For More Information

Please call 650-426-5310, e-mail clientpki@verisign.com, or visit www.verisign.com/products/pki/index.html.

About VeriSign

VeriSign, Inc. (Nasdaq: VRSN), delivers critical infrastructure services that make the Internet and telecommunications networks more intelligent, reliable and secure. Every day VeriSign helps thousands of businesses and millions of consumers connect, communicate, and transact with confidence.

