Symantec™ WiMAX Public Key Infrastructure Service for Device Manufacturers

Data Sheet: Authentication

WiMAX™ is a collection of integrated wireless broadband technologies and products built around the harmonized IEEE 802.16e/ETSI HiperMAN standard. Ensuring secure communication over WiMAX-based networks is a critical success factor for the growth of the WiMAX ecosystem. Seamless security that is transparent to the end user is also crucial for widespread adoption. Security solutions based on Public Key Infrastructure (PKI) are particularly well-suited in addressing these business needs.

**Symantec™ WiMAX Public Key Infrastructure Service**

*A proven PKI platform for device manufacturers*

Symantec WiMAX PKI Service delivers a fast and efficient means to embed PKI-based digital certificates into any type of WiMAX-compliant subscriber station or device. It inherits industry-leading functionality from Symantec™ Device Certificate Service, and offers a best-in-class solution for the WiMAX Device PKI. Over 200 million devices worldwide depend on Symantec’s PKI-based digital device certificates to secure access to services, making Symantec the leader in powering trust in communities such as the WiMAX ecosystem.

Symantec WiMAX PKI Service delivers:

- **Ease of deployment** – Digital certificates are ordered in bulk by providing Symantec with a list of media access controller (MAC) addresses, or unique device IDs. Symantec then generates the PKI-based digital certificates and securely delivers them to the manufacturers for inclusion on their devices.

- **Certificate lifecycle management** – Certificate lifecycle management consists of request, issuance, and validation of the device certificates. Symantec WiMAX PKI Service performs these functions on behalf of the device manufacturer.

- **Flexible management of trust environments** – Symantec WiMAX PKI Service can optionally provide the device manufacturer a signed sub-Certification Authority (CA) for autonomous operations. Use of these sub-CAs enables the device manufacturer to run certificate lifecycle management and certificate revocation list (CRL) hosting and create its own zone of influence in the trust ecosystem.

Symantec WiMAX PKI Service is capable of supporting millions of end user PKI-based WiMAX digital certificates on a global scale.
## Features and benefits

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<th>Feature</th>
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| Hosted certification authority (CA) | Symantec hosts and operates a CA that enables enterprises to achieve lower total cost of ownership than standalone in-house PKI implementations, and has the following functionality:  
  - Generation of CA key pairs.  
  - Activation and deactivation of CA certificates.  
  - Maintenance of CRLs. |
| Registration authority (RA)      | Allow administrators to:  
  - Authenticate, approve, or reject certificate requests from subscribers, and revoke certificates.  
  - Generate reports on certificate activity. |
| Mission-critical reliability     | Employs the same PKI technology that is used throughout its military-grade public key infrastructure and Network Operations Centers.  
  - Supports 24x7x365 monitoring, management, and escalation across the globe with full disaster recovery.  
  - Certified annually by KPMG® as part of a SAS-70 security audit. A regular WebTrust® audit of Symantec’s PKI infrastructure is also conducted. |
| Scalable                         | Architected to support the highest volume and peak load requirements in the industry.  
  - Overall system architecture is designed to support the issuance and management of over 100 million certificates per year.  
  - Symantec’s diagnostic procedures, security practices, operational policies, and infrastructure have been tested and proven over time and designed with scalability in mind. |

*TAR file: an archive file format, originally used on UNIX® platforms, that combines multiple files into a single archive to simplify transport.*
Symantec has a strong commitment to open standards, innovative technology, and strategic collaborations to enable the flexibility needed to evolve with the changing technology landscape.

- Supports standard certificate types, including: S/MIME, SSL, and IPSec, as well as PKI industry standards such as X.509 v3, LDAP, and PKCS #7, PKCS #10, and PKCS #12.
- Symantec’s open approach to security enables organizations to operate freely in diverse environments, and maximize return on, and preservation of, existing investments.

Symantec provides binding service-level agreements that include high-security facilities with:

- Highly trained, trusted personnel.
- Redundant systems.
- 24x7x365 customer support.
- Disaster recovery.
- Full audit and archiving.

Symantec operates the largest and most comprehensive PKI solutions available on the market today, and has been doing so since 1995.

More Information

Visit our website
http://enterprise.symantec.com

To speak with a Product Specialist in the U.S.
Call toll-free 1 (800) 745 6054

To speak with a Product Specialist outside the U.S.
For specific country offices and contact numbers, please visit our website.

About Symantec

Symantec is a global leader in providing security, storage, and systems management solutions to help consumers and organizations secure and manage their information-driven world. Our software and services protect against more risks at more points, more completely and efficiently, enabling confidence wherever information is used or stored.

Symantec World Headquarters

350 Ellis St.
Mountain View, CA 94043 USA
+1 (650) 527 8000
1 (800) 721 3934
www.symantec.com