

MobilePKI / Passport Certificate Server

Secure Mobile Access

End to End Security

Any Device



Key Benefits

- Designed to support multiple client device platform, including Symbian (Series 60 and UIQ) and Java phones as well as server platforms such as Windows 2003 and Linux
- Mobile PKI Passport Certificate Server[®] meets important industry standards and regulatory trends requiring the use of client-generated digital signatures and application-level security
- Mobile PKI Passport Certificate Server[®] adheres to relevant IETF standards and supports FIPS 140-1 compliant hardware security module of protection of root key and cryptographic operation

As the growth of the wireless industry generates an increasing number of new device offerings and other technology advances, it becomes increasingly important for those trusted with making technology decisions to make sure that what they invest in today can also serve them for the world of tomorrow.

Diversinet Passport Certificate Server[®] enables organizations to implement wireless PKI and act as their own Certificate Authority (CA) for applications.

Passport Certificate Server[®] enables wireless mobile commerce between mobile devices and servers and secures mobile-to-mobile communications.

The latest version of the Passport product suite, Mobile PKI Passport Certificate Server[®], offers users a wireless security solution that they can use now and leverage into the future. It supports a broader range of devices and multiple certificate formats.

The product includes a Certificate Authority, a Registration Authority (RA), certificate repository, certificate validation services, application server software development toolkits (SDK), SDK's for many mobile devices and software to secure the channel between the mobile device and the m-commerce application server. Diversinet uses lightweight PKI protocols suitable for wireless data networks.

Since time to market often determines the winner of tomorrow's markets, the Passport Product suite is designed to minimize the effort associated with developing and deploying secure m-commerce applications.

Mobile PKI Passport Certificate Server Components

Passport Certificate Server[®]

Available on all major server platforms, the certificate server maintains a directory of all current certificates and handles requests for copies of user or server certificates. The Certificate Server and Certificate Authority can be deployed on the same machine or across several machines. A load balancer can be used to assist in handling PKI transactions. Passport Certificate Server[™] integrates seamlessly with the Passport Client Registration Authority.

Passport Client Registration Authority

The Passport Client Registration Authority (RA) is a system component that interfaces with one or more Certificate Authorities (CAs) to collect and integrate the information required prior to the issuance of a certificate. This information is validated or reviewed consistent with the process outlined in the organization's Certificate Practice Statement. Registration Authority provides for bulk registration of an existing user base or an individual user registration.

Passport Client Certificate Manager

This component provides users with an interface from which they can generate new key pairs, change keylock passphrases, and communicate with the Passport Certificate Server[™].

Passport Client Toolkits

Client Toolkits are SDKs that consist of API classes used by developers to invoke PKI functionality for their applications. Available in C/C++ and Java/J2ME, the SDK is designed to expedite the process of securing m-commerce applications by providing developers with sample code, quality documentation, and extensive support throughout the development process. Client toolkits provide application developers with a choice of using RSA or ECC cryptographic algorithms.

Mobile PKI Passport Certificate Server[®] available for:

- Windows 2003 Server Standard Edition, Oracle 10g

Mobile PKI Passport Certificate Server[®] minimum system requirements:

- Dual CPU X86, minimum 2.5 Ghz, 2 Mb memory, 500 Gb hard drive