



CORISECIO - Mobile PKI (BlackBerry) *The End-to-End Security for BlackBerry*

CORISECIO – Mobile PKI is the safe and easy certificate solution for mobile devices. The usage of PKI (Public Key Infrastructure) is made available also for BlackBerry’s. All communication is protected and the keys are stored safely on the devices. Roll-Out and certificate management are carried out completely automated. With one click only existing certificates in companies may be used for safe communication.

STANDARDIZED SECURITY FOR BLACKBERRY

The concerns of many security surveys mainly criticize the location of the Network Operation Center (NOC) in the UK and Canada, which handle all communication with BlackBerry’s. CORISECIO enables a safe communication also via foreign nodes without affecting the well-known usability of BlackBerry’s.

Analogous to desktop PC’s and Windows Mobile based devices, Mobile PKI uses X.509 certificates of a Public Key Infrastructure (PKI) to secure all communication (i.e. email, calendar, contacts) between the device and the in-house BES (BlackBerry Enterprise Server). The encryption is done on basis of standard hybrid algorithms (AES 256 and RSA 1024). So the security of a PKI is made available on BlackBerry’s and requirements regarding confidentiality and data integrity may be realized. The RIM Infrastructure—mandatory for all BlackBerry communication— may safely be used.

COMPATIBILITY BY USE OF STANDARD INTERFACES

CORISECIO uses standard interfaces of the operating system to implement security functionality for all applications. Without changing of workflows or applications the confidential synchronization of sensitive messages, calendar entries and addresses is ensured. For the user the protection is done completely transparent. Due to the encryption on transport level the archiving of e-mails can be done easily without complex key management for backup data.

S/MIME OPTION

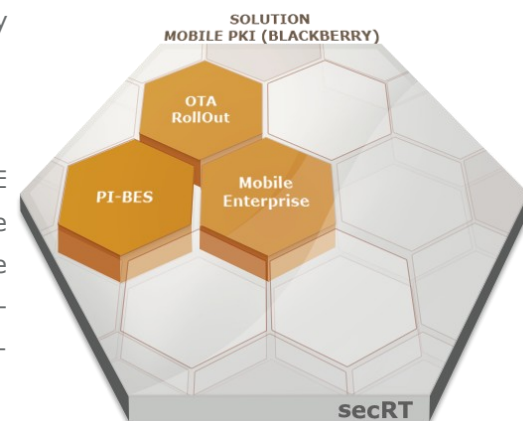
Besides the transportation encryption CORISECIO also supports S/MIME on the BlackBerry. With this option Mobile PKI is compatible also for the realization of mail encryption. Here CORISECIO takes over the certificate management for e-mail certificates. The S/MIME Support Package provided by RIM works transparently with the certificates managed by CORISECIO .

FACTS

- PKI security for BlackBerry
- Safe communication with the BES
- OTA Roll-Out
- Secure key store

BENEFITS

- PKI security at minimum costs
- Maximum compatibility with applications
- Increased key security
- Safe 2-factor authentication
- Security due to password policy
- E-Mail Archiving without complex key management
- Decreasing administration effort
- Maximum usability



SECURE KEY STORE AND 2-FACTOR AUTHENTICATION

On the mobile device Mobile PKI administrates the certificates and private keys in a secured key store. Only after user authentication authorized applications gain access to certificates and keys and the communication is secured automatically. By binding the key store to the device-ID and/or the SIM-card a 2-or multiple-factor authentication may be realized which nearly achieves the security of the considerably more expensive Smartcards.

OTA ROLL-OUT AND KEY DISTRIBUTION

CORISECIO allows an automatic (Over the Air) Roll-Out of software and certificates. Authorized by the administrator, the user only has to follow the advice of the initialization email resp. SMS. The software is installed automatically. The user just sets his password and the remaining processes are executed automatically.

ADMINISTRATION AND INTEGRATION

An intuitive console enables the administrator to efficiently execute even complex procedures like user-, rights- and certificates management. Software to be installed, configuration as well as security settings are assigned to mobile users via a role concept. For mapping of complex domain structures interfaces for LDAP directories are available, which allow easy integration of users from in-house directories. Certificates may be issued via the CORISECIO CA (Certificate Authority) with one mouse click or imported from an existing CA or a Trust Center.

CORISECIO – Mobile PKI (BlackBerry) provides PKI security with safe standardized algorithms for RIM based devices. Companies benefit from the options to use BlackBerry's now also for sensitive business processes without taking a security risk. Easy administration with integration options for mobile user, certificates and Trust Center as well as automatic Roll-out turn the Mobile PKI into a thoroughly field-tested Enterprise solution for mobile devices – now also for BlackBerry's !

KEY FEATURES

- PKI encrypted data transfer (AES 256/RSA 1024) with the BES
 - Messages (email)
 - Calendar, addresses, tasks, notes
- Use of X.509 certificates on BlackBerry's
- Automatic certificate management
- RIM standard interfaces (Transcoding API)
- 2-/3- factor authentication, by key store binding to
 - Device ID
 - SIM card
 - User Password
- User Administration
 - Own user administration
 - Integration of directories (Active Directory, LDAP) (Optional)
- Public Key Infrastructure (PKI)
 - Own Certificate Authority (CA)
 - X.509 certificates (Request, Revoke, Renewal)
 - Autom. certificate management (incl. CRL Support)
 - Import of existing certificates (p12, pfx)
 - Integration of external CA (optional)
- OTA Software Roll-Out
 - Web Portal / Web Application
- Certificate Creation & -distribution
 - OTA Certificate Roll-Out
 - Certificate requests provided by the devices
 - Device bound Key Stores

