

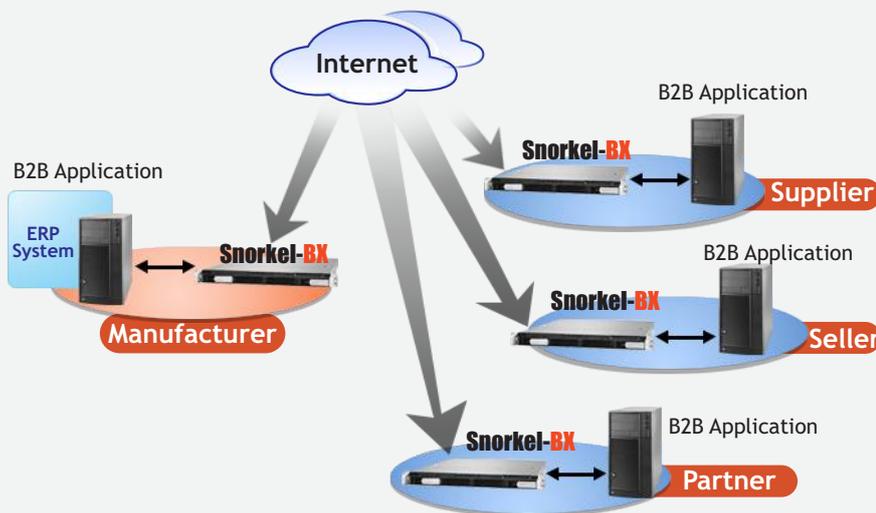
Snorkel - BX

Businesses have a lot to gain by automating their transactions with suppliers, customers, and partners. This automation results in increased efficiency, faster supply, reduced errors, and ability to provide personalized services and products.

Bring assurance
to your B2B
transactions

With the amount of money involved and the sensitivity of information that flows, the need for security need not be over emphasized. Public Key Infrastructure (PKI) is the only known technology which can cater to all the pressing security needs of a typical e-business transaction.

Typical Deployment Scenario



But, PKI-enabling B2B infrastructure has always been a complex task as the online applications, employed by different entities, work on different software platforms and are from different vendors and service providers.

Classical methodology of using PKI toolkits proves to be expensive and time consuming for securing all the entities of a B2B infrastructure.

Based on extensive experience in PKI building and PKI enabling, Odyssey's **Snorkel - BX** brings ease and comfort to the task of PKI enabling legacy applications and new applications.

Snorkel - BX, part of the Snorkel suite, addresses security needs of business-to-business e-commerce applications. It provides authentication, integrity and non-repudiation by means of digital certificates and digital signatures.

- **Light weight and resource efficient**

Snorkel - BX is a lightweight PKI enabled security and trust gateway. It has its own database, a small memory foot-print and consumes very few CPU Cycles. **Snorkel - BX** is designed to run on the application server without compromising its performance.

- **'Zero-Touch' deployment**

Built on the core philosophy of "Zero Touch" deployment, Snorkel - BX fits seamlessly into any online application environment without requiring any changes to the web application.

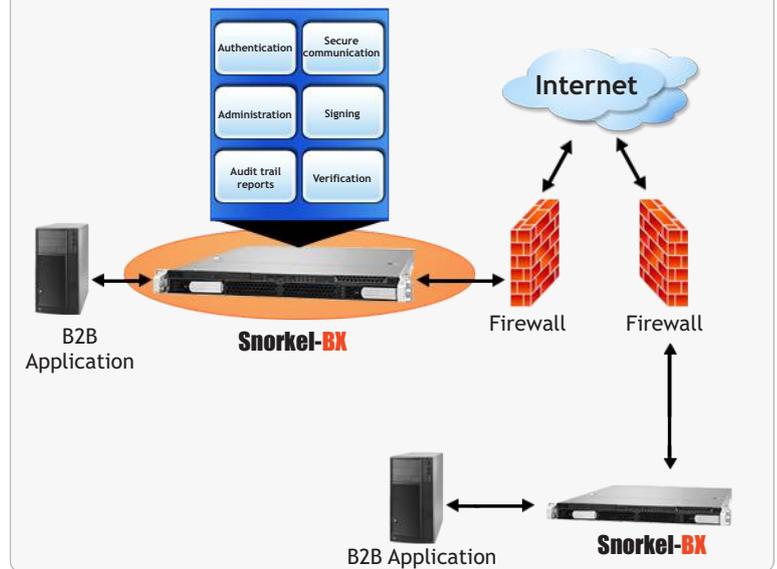
- **Platform independent**

Snorkel - BX is self-contained and is independent of the application platform. It can secure information exchange across heterogeneous environments.

Snorkel - BX can be deployed for

- Supply chain management
- Insurance claims processing
- Headquarters - Branch office transactions
- Payment gateway services
- Trading partner transactions
- Payroll upload instructions

Snorkel-BX Functional Architecture



Business Benefits

- Digital certificates are used to authenticate different entities of the B2B Infrastructure.
- Uses mutually authenticated SSL transactions for server-to-server communications.
- Doesn't warrant a backend database server.
- All transactions can be digitally signed. Selective configuration for digital signature is also possible.
- The digital signatures are stored in universally accepted PKCS#7 format.
- Provides for archival of digital signatures.
- Can communicate with Snorkel - BX with the same ease with which it communicates with another Snorkel -BX.

Standards Compliance

- HTTP 1.1
- HTTPS / SSL v3/ TLS
- X.509 v3 Digital certificates
- ASN.1/Base64 for data encoding
- PKCS#7 for digitally signed data
- PKCS#12 for certificate and private key storage
- PKCS#1 for RSA Signatures



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