

# CoreStreet Path Builder

Trust between organizations through Federated PKI

## Overview

Although many organizations have deployed Public Key Infrastructures (PKIs), there have been no standards-based solutions for trust between entities. As a result, government and industry have had to rely on time-consuming, expensive, paper-based systems, or struggle with incompatible electronic options.

The CoreStreet Path Builder software uses Server-based Certificate Validation Protocol (SCVP) to provide the trust necessary for secure, legally-binding communications and transactions. In this way, the CoreStreet Path Builder software enables organizations within a federated environment, such as companies within an industry or government departments and agencies, to extend their PKI investment and transact with other participating organizations.

The CoreStreet Path Builder software reduces costs, increases efficiency, and significantly improves the security of communications and transactions between these parties.

## Key features

- **Interoperable** The CoreStreet Path Builder software is entirely standards-based (X.509, SCVP, and OCSP), ensuring interoperability with other standards-based applications.
- **High performance** The CoreStreet Path Builder software quickly determines if a certificate in a PKI-enabled transaction is still valid. The architecture provides these responses in fractions of a second, ensuring that end-user experience is positive.
- **Scalable** Built on CoreStreet's distributed architecture, the CoreStreet Path Builder software meets the needs of the largest and most demanding government organizations and corporations around the world.
- **Secure** The CoreStreet Path Builder architecture does not have a single point of failure, it eliminates intrusion

threats, and it mitigates the threat of a denial of service attacks. Additionally, it is built on the Common Criteria-certified CoreStreet Validation Authority and is designed to be implemented using FIPS 140-2 certified hardware security modules.

## Requirements

Supported operating systems

- Sun Solaris 8 and 10
- Red Hat Enterprise Linux 5
- Windows Server 2003
- Windows XP Professional

Supported databases

- PostgreSQL 8.4
- Oracle 9i and 10g
- Microsoft SQL Server 2000 and 2005
- Microsoft SQL Server Desktop Engine (bundled with product)

Minimum system requirements

- 1 GHz x86/x64 or 500 MHz SPARC processor
- 1 GB RAM
- 500 MB storage

Supported certificate authorities

- All industry standards-compliant certificate authorities

Supported hardware security modules

- SafeNet Luna SA
- Thales nShield
- Thales netHSM

## Complementary CoreStreet products

- CoreStreet Path Builder SSL Gateway
- CoreStreet PKI Toolkit for C
- CoreStreet PKI Toolkit for Java

## Availability

The CoreStreet Path Builder software is currently available for purchase and deployment. Contact your CoreStreet representative or partner for more information.