

CoreStreet PIVMAN SDK

Enables identity verification for platforms and applications in both networked and offline environments.

Overview

The CoreStreet PIVMAN solution consists of server software and handheld devices designed to allow authorized personnel the ability to confidently control access to any site by quickly authenticating and validating the identities and privileges of individuals wishing to enter an area.

The CoreStreet PIVMAN solution draws information from multiple independently maintained sources, which it publishes to handhelds or PCs in a highly compressed format. This data is used to validate identities and display privileges.

These capabilities are critical in scenarios that require accurate information about credential holders, but where network connectivity is unreliable –scenarios such as, natural disasters, homeland security incidents, border control, and perimeter security.

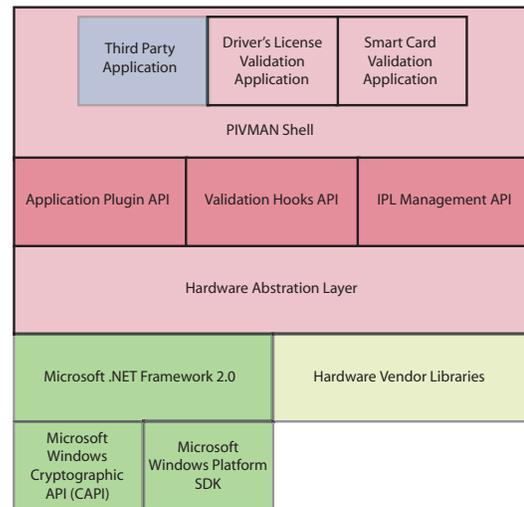
The CoreStreet PIVMAN SDK (“SDK”) allows software developers to easily extend the functionality of the handheld device software to meet domain-specific needs. In addition, it provides components to simplify development of new credential authentication applications that make use of the CoreStreet PIVMAN system’s revocation and privilege information.

Customers benefit from a broader choice of applications and devices for credential checking and through expanded use of their existing infrastructure, reducing overall cost of ownership.

Key features

- **Hardware Platform Expandability** The SDK provides an easy path to add CoreStreet PIVMAN functionality to new hardware platforms, allowing hardware manufacturers to sell their devices to customers with deployed credential infrastructures.
- **Software Platform Expandability** Developers can easily develop applications that run within the CoreStreet PIVMAN system. Existing applications can be combined onto a single device, providing a better user experience.

- **Enables Custom Development** Developers have a path to more easily develop custom applications that can read standards based credentials, such as smart cards or driver licenses, and consume information for the purpose of validating identities and associated privileges.



Corestreet PIVMAN SDK Components

Figure 1. CoreStreet PIVMAN System Architecture.

- **Standard Language and Platforms** The SDK is written in C# and uses the Microsoft .NET Framework 2.0, allowing developers who are familiar with standard Windows development tools to use the Windows managed code programming model for application development.
- **Sample Code and Documentation.** The SDK includes documentation for all components as well as sample code to aid implementation.

Supported credential types

- US Government issued smart cards, including:
 - FIPS 201-compliant cards
 - PIV interoperable and compatible cards
 - First Responder Authentication Credential (FRAC)
 - Transportation Worker Identification Credential (TWIC)
 - Department of Defense (DoD) Common Access Card (CAC)
- Belgian eID card
- Other contact and contactless smart cards
- AAMVA-compliant 2D barcodes (US driver’s licenses)