

# CoreStreet PIVPAC Enroller

Solution for HSPD-12 compliance through FIPS 201 PIV cardholder enrollment, provisioning, and revocation across physical access control systems

## Overview

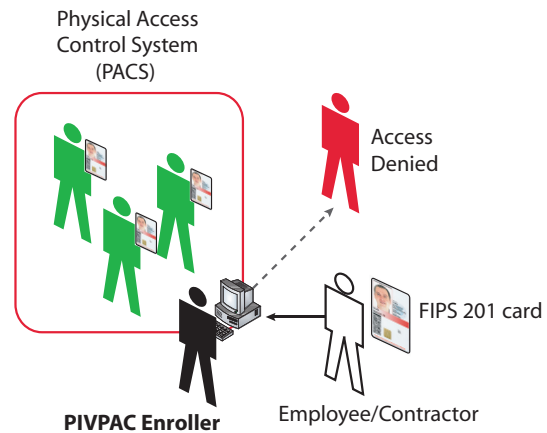
In order to support the geographically-dispersed nature of government agencies, the CoreStreet PIVPAC Enroller solution can be implemented as a multi-faceted approach to enroll FIPS 201 PIV cardholders into virtually any existing physical access control system (PACS). This approach enables flexible enrollment, validation, and processing of individuals gaining temporary or long-term access to a given facility.

## Key benefits

- Enables FIPS 201-compliant credential enrollment into PACS systems
- Works with numerous existing PACS, supports multi-vendor PACS environments
- Automates revocation of access privileges to coincide with revocation of the identity credentials (digital certificate)
- Provides operational efficiency and reduces administrative costs by centralizing access control-related processes across an entire enterprise

## Complete enrollment solution

The CoreStreet PIVPAC Enroller solution provides flexibility and workflow integration with minimum complexity and workspace disruption. Ergonomically designed for ease of use for both security staff and temporary employees, this solution combines several functions and tasks into a compact solution that easily fits on crowded work surfaces. Requiring only one PC and USB connected card reader, the CoreStreet PIVPAC Enroller solution eliminates the usual maze of connecting cables that clutter security workspaces.



## Features

The CoreStreet PIVPAC Enroller solution offers government agencies a single, convenient way to enroll new employees, temporary workers, and contractors, as well as process their request for access to the multiple facilities managed by a given PACS. This solution provides:

- **Data retrieval** Information retrieval from the card including, PIV Authentication Certificate, CHUID, and biometrics
- **Credential status validation** Online Certificate Status Protocol (OCSP), as well as Server-based Certificate Validation Protocol (SCVP) to establish trust in a federated environment in order to ensure card trustworthiness
- **PACS compliance** Standard policies for automatically populating PACS system fields, along with requisite physical access privileges
- **Standardized revocation** Standard set of policies for certificate validation to ensure real-time de-provisioning if the card is ever reported lost or stolen
- **Easy-to-use interface** A simple web interface that allows security officers to review PIV card data and certificate status information before approving the request for provisioning into a PACS

## Solution concepts

To enable physical access control using FIPS-201 compliant PIV cards, two public key infrastructure (PKI)-related functions are necessary. First, cardholders must be strongly authenticated when they are first enrolled in the physical access control system. Second, access privileges must be removed when the card (or its digital certificate) is revoked. The PIVPAC Enroller performs both of these functions. Running as a Microsoft® Windows® service that validates public key certificates, the PIVPAC Enroller is capable of performing certificate path discovery using both locally cached certificates in Windows certificate stores and, if required, through SCVP. The PIVPAC Enroller performs certificate path validation in accordance with the requirements of the Internet Engineering Task Force's (IETF) RFC 3280 and performs certificate revocation checking using both CRLs and OCSP.

PIVPAC Enroller is powered by Quantum Secure's SAFE Physical Identity Management System (P-IDMS), a standards based, scalable, and robust application that helps organizations to achieve the goal of having a single identity across all PACS. P-IDMS provides policy-based centralized administration for automated cardholder provisioning & de-provisioning, role management and credential synchronization with LDAP directory, HR systems, as well as PKIs.

## Use case scenario

- 1) An employee arrives at a government facility with her PIV card
- 2) The security administrator requests that the employee insert her card into a reader and enter her PIN
- 3) The PIVPAC Enroller then checks the status of the credential and pulls the required data from the card
- 4) The security administrator determines and selects the appropriate access rights for the individual
- 5) Once the process is complete, the PIVPAC enroller pushes the data to the facility's PACS head end
- 6) The temporary employee can now use her PIV card for access to prescribed area of the facility

## PIVPAC Reporting Services (optional)

PIVPAC Enroller can be used to provide FIPS-201 specific reports to help organizations comply with regulatory requirements. In addition, the PIVPAC Enroller can be configured to automatically generate scheduled reports on a daily, weekly or monthly basis.

Powered by:



## Supported card types

- All FIPS 201-compliant credentials
- Department of Defense Common Access Card (CAC)
- First Responder Authentication Credential (FRAC)
- Mariner Administrative Card (MAC)
- Transportation Worker Identification Credential (TWIC)

## Supported PACS head ends

- Lenel®
- AMAG®
- Tyco® Software House
- Hirsch®
- GE®
- Johnson Controls®
- Andover Controls®

## Requirements

### Server-Side

#### Hardware

- Dual Intel® Pentium® CPU 2.80 GHz
- 2 GB RAM
- Dual 120 GB RAID hard disk
- Dual gigabit Ethernet interface

#### Software

- Microsoft® Windows Server® 2003 operating system Standard Edition, SP1
- Microsoft® SQL Server 2000
- Microsoft® Office Visio
- Microsoft® BizTalk 2004 Server

### Client-Side

#### Hardware

- Contact USB smart card reader  
(recommended: FIPS 201 approved card reader)

#### Software

- Microsoft® Internet Explorer® internet browser version 6.1 or higher
- Interoperability with PACS might necessitate additional required elements

## Availability

The CoreStreet PIVPAC Enroller solution is currently available for purchase and deployment. Contact your CoreStreet representative or partner for more information.