



## Solutions

### Serialized Product and Pedigree

To protect the millions of pharmaceutical drugs distributed daily from counterfeiting, diversion, fraud, and other product integrity and financial threats, numerous states led by Florida require drug pedigrees. The cornerstone to drug pedigree security and efficiency is provided through self-authenticating serialized electronic pedigrees using digital signature technology. These documents, when signed by an E-Pedigree system using digital certificates issued by an approved certificate authority, enable automation of the product receiving and drug authentication process. Without approved digital certificates, companies distributing pharmaceuticals are faced with manually confirming, or authenticating, the integrity of each drug's chain of custody back to the manufacturer while the manufacturer is faced with servicing these authentication requests.

SupplyScape RxCertificates is the industry's first certificate authority designated by the state of Florida to issue digital certificates for the signing of electronic pedigree documents. Pharmaceutical companies, wholesalers, and pharmacies that distribute Rx drugs throughout the state of Florida can use RxCertificates to acquire digital certificates for self-authenticating electronic pedigrees, thereby reducing the cost and enhancing the security of drug distribution throughout the supply chain.

### Operational Efficiency + Trading Partner Interoperability

The criticality of regulatory-compliant digital certificates to the electronic pedigree process demands a certificate authority that has been designed from the ground up for this requirement. RxCertificates delivers by offering a partner security service, designed in conjunction with Entrust, which uniquely synchronizes identity management with entitlement verification. Key attributes of the service include:

#### Trusted Regulatory and Industry Compliance

SupplyScape's experts continually monitor current and emerging digital certificate requirements, ensuring that our digital certificates are regulatory compliant when issued and throughout their lifespan. As requirements change or new mandates emerge, the service will quickly respond by providing matching technology and process updates.

#### Enhanced Pharmaceutical Distribution Operations

RxCertificates helps companies throughout the supply chain improve their operations by automating product and data handling. Leveraging the partner security provided by approved digital certificates, companies no longer have to manually authenticate prior pedigree transactions. This streamlines the receiving process and decreases distribution costs. Similar benefits are extended to upstream pharmaceutical companies to eliminate manual authentication service requests.

#### Supply Chain Interoperability

The digital certificates issued by the RxCertificates service were specifically designed for ease-of-use and interoperability. Built on current industry standards such as X.509 and supporting the ratified standards for Certificate Profiles outlined by EPCglobal, RxCertificates works seamlessly with all existing serialized e-pedigree solutions, yours and your trading partner's.

#### Superior Customer Service

The RxCertificates service provides excellent customer support throughout the entire digital certificate lifecycle. SupplyScape's experts ensure that the application and entitlement verification process is securely yet quickly completed. Customers are guided at each step of the way during the subsequent enrollment and certificate issuance process. Throughout, SupplyScape leverages Entrust's FIPS-validated certification authority software, resulting in world-class performance and reliability. Finally, ongoing entitlement checks and related Certificate Revocation List management are efficiently executed.

### Certificate Authority Designed for Florida Electronic Pedigree

#### Florida-Compliant Digital Certificate Benefits

##### Serialized E-pedigree Self-Authentication

- Rapid, automated verification using self-authenticating e-pedigrees

##### Distribution Entitlement

- Company has a current wholesale license to distribute drugs into or in the state of Florida
- Certificate revocation notifies you of trading partner entitlement failure

##### Identity Management

- Certificate holder has the authority to sign pedigrees on behalf of the company they represent
- Certificate holder's identity independently verified

## Trusted Digital Signatures – A Key Element of Electronic Pedigree Security

An essential element of the serialized pedigree document management process is the ability to trust the transactional information represented on the pedigree. The digital certificates issued by RxCertificates support this goal by providing evidence that:

- The transacting company is a licensed distributor of prescription drugs for the state(s) covered by the certificate
- The individual who signs, or “certifies”, an electronic pedigree is truly the person they represent themselves to be
- The signing individual is authorized to represent the company performing the transaction listed on the pedigree

## SupplyScape Product Security: Complete Product and Chain of Custody Security

RxAuthentication serves as a core part of SupplyScape’s Product Security suite, an integrated track and trace solution for serialized and non-serialized products as they move throughout the pharmaceutical supply chain. Product Security protects pharmaceuticals and creates supply chain visibility while generating rich, granular product and transaction information for use throughout the business enterprise.



## SupplyScape Nexus: Supply Chain Collaboration Foundation for Serialized Product and Pedigree Information on a Global Trading Partner Network

SupplyScape’s business process solutions such as the Product Security suite leverage the business connectivity and trading partner collaboration services of the SupplyScape Nexus foundation.

Nexus is a network-based services platform that connects internal business operations and enterprise systems to diverse networks of trading partners, enabling new ways of creating business value through inter-company business processes operating on rich serialization, pedigree, and other operational data. Nexus removes the friction of linking to your trading partners and provides business users with new insight into business operations and supply chain activity.

## Next Steps

Call to arrange a pharmaceutical supply chain and serialization program analysis. SupplyScape experts will work with your management team to jointly develop a flexible strategy and action plan to:

- Identify the key pharmaceutical security challenges most crucial to your business
- Define how the current and emerging regulatory environment impact your business and your trade network
- Outline the financial performance and supply chain optimization opportunities available from serialized product and pedigree information
- Develop an actionable yet flexible solution roadmap that creates new business value while meeting existing compliance mandates

**SupplyScape**

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