

Scan210 Security White Paper

EXECUTIVE SUMMARY

Scan210 provides comprehensive security and protection of your data. Scan210 utilizes the Architecture of the CardScan Software Development Kit (SDK) and the SalesForce.com SOAP API which is a powerful, and secure application programming interfaces to provide you with a secure interface between the CardScan Business Card Scanner and your SalesForce.com system.

References: [CardScan SDK](#)
[SOAP API Developer's Guide](#)
Trust.salesforce.com

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Table of Contents

Introduction.....	4
Security Overview.....	5
Application Security	5
Business Card Scanner Specifications	7
Network Security	7
Network Architecture.....	8
Summary	9

Introduction

The accessibility, security and integrity of your data are integral to the success of your company and the reputation of our business. Because Scan210 interfaces with Salesforce.com which is a cloud-based Software-as-a-Service (SaaS) solution, the security of your information are of the utmost importance to your business and our success.

Your data is secure with Scan210. Scan210 runs on a proven infrastructure designed to provide maximum security, performance, and reliability.

The SDK provided by CardScan and the SOAP developed by SalesForce.com is used by over 100,000 users worldwide. Our typical customer is a fast-paced, medium-sized business organization or a team or department within a large Fortune 500 or Global 2000 company. All these organizations, regardless of size, trust and rely on Scan210 to provide them with a customizable secure way to qualify contact updates into their SalesForce.com solution.

Security Overview

Scan210 security and architecture are designed to provide maximum performance and reliability with state-of-the-art protection of your data security.

Scan210's security policy was architected to address the confidentiality and security of your company data.

Application Security

User Authentication / Login Security

- Scan210 requires the user's Salesforce.com userid and password in order to gain access to the users Salesforce.com Contact database.
- Salesforce.com has defined OAuth 2.0 as the secure method for third party applications like SCAN210 to interface to a users Salesforce.com instance. OAuth (Open Authorization) is an open protocol that provides secure API authorization from applications like Scan210 in a simple and standardized way. OAuth can authorize access to resources without revealing user credentials to Scan210. This interface is controlled by the SOAP Developers API. The latest version can be found at <http://www.salesforce.com/us/developer/docs/api/index.htm>
- Scan210 conforms to the Salesforce.com two factor authentication requirements. Scan210 accommodates the entering of the Salesforce.com username and password as one factor and the Security Token delivered to the user via email or text as the second factor.
- Scan210 stores the OAuth 2.0 Password Token, and Session IDs securely using Microsoft's ProtectedData class, ensuring that only the user which encrypted the data will be able to decrypt it.
- Encryption: Scan210 accesses the Windows Data Protection API (DAPI), which uses the proven cryptographic strong Triple-DES algorithm in CBC mode, the strong SHA-1 algorithm, and the PBKDF2 password-based key derivation routine. References: [http://msdn.microsoft.com/en-us/library/2c64xe0y\(v=vs.80\)](http://msdn.microsoft.com/en-us/library/2c64xe0y(v=vs.80)) and <http://msdn.microsoft.com/en-us/library/ms995355.aspx>

Cipher detail	
Key sizes	168 bits
Structure	Triple DES
Rounds	Three Rounds of 56 bits

- Scan210 does not transmit any sensitive or personally identifiable information to external endpoints.

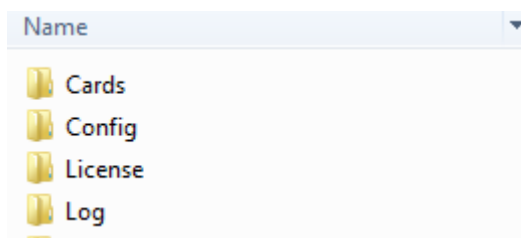
- All communications to external endpoints are made using SSL connections and TLS 1.1 or higher.
- In addition to a connection with SFDC for data transfer, a connection is also made to Scan210 licensing service to validate the license. The following is an example of the data being transferred to the Scan210 licensing server:

LicenseId: M22X-94ZV-HVAB-WDRU
Status: Trial
Expires: 10/04/19 12:00:00 AM
MachineId: B190-6BC8-02C9-C94B-712D-3EB3-4F6E-DBC1
CrmUserId: 005A0000000WKzrIAG
CrmOrgId: 00DT0000000HCRQMA4

- Local Data Storage in XML format is used to store the customizations to the list of fields displayed with the contract record, and the list of users that are to be assigned as owners. These local settings are read from these XML files and stored in the registry. The contact information extracted from the Business Card is only transmitted and stored in the users Salesforce org. Once the contact data is successfully transferred to Salesforce it is deleted from the client machine.

The following directories are used to store your Scan210 custom settings and the contact records on the local users' computer

C:\Users\%UserProfile%\AppData\Local\Scan210



Business Card Scanner Specifications

CardScan

The following are the specifications for the CardScan 800c Executive scanner.

- The CardScan 800c-series scans at a resolution of 300 DPI and returns a 24-bit color image.
- The scanner accommodates documents up to 4 inches (10.16 cm) wide.
- USB Interface - USB 2.0 hardware compatible with USB 1.1

Ambir 667ix

The following are the specifications for the Ambir 667ix simplex business card scanner.

- The Ambir 667ix scans at a resolution of 600 DPI and returns a 24-bit color image.
- The scanner accommodates documents up to 4.13 inches (10.5 cm) wide.
- USB Interface - USB 2.0 hardware compatible with USB 1.1

Scan210 is compatible with Windows 10, Windows 8, and Windows 7 32-bit or 64-bit

Network Security

Scan210 leverages the security architecture of trust.salesforce.com. In addition to deploying the best practices enforced by the Salesforce SOAP API interface Scan210 also utilizes the Security Best Practices implemented by Salesforce.com and best practices published on the trust.salesforce.com website.

[Trust.salesforce.com](https://trust.salesforce.com)

Trust.salesforce.com is the salesforce.com community's home for real-time information on system performance and security. On this site you'll find:

- Live and historical data on system performance
- Up-to-the minute information on planned maintenance
- Phishing, malicious software, and social engineering threats
- Best security practices for your organization
- Information on how we safeguard your data

Network Architecture

Scan210 is a middle tier, utilizing the Scanner and CRM Interfaces to convert & securely transfer Contact data from Business Cards.

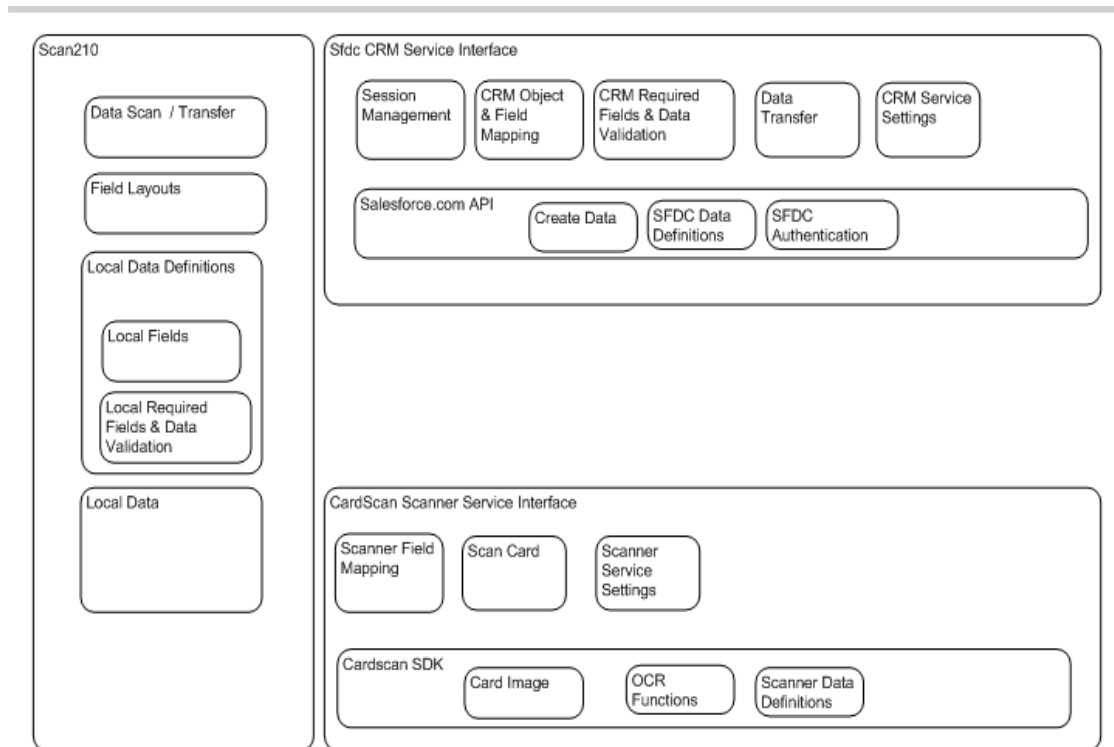
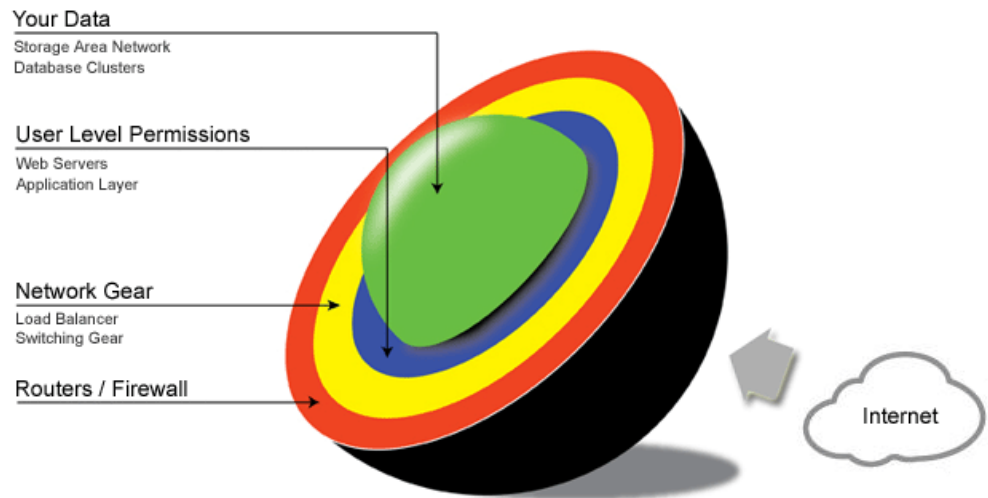


Figure 1 – Scan210 Architecture

Security Layers

Security is built in from day one with Scan210. The Scan210 system, with multiple layers of hardware, software, and network infrastructure, is designed and optimized to protect your data from intrusion.



Summary: Your Data Is Secure and Protected

Scan210 provides industry leading security and protection of your data. Whether you are working from your office, your home, or on the road, you can depend on Scan210 securely transfer your scanned and verified contact data to your Salesforce.com organization.

The ability to access your data anytime from anywhere ensures that you remain productive, protected, and connected to the information that you need to run your business.

For more information or questions, please contact support@scan210.com

www.scan210.com