Canon

Advanced Authentication– Proximity Card

Utilize your existing proximity cards to secure your imageRUNNER® devices

In today's work environments, robust security measures throughout an office environment are crucial to safekeeping sensitive documentation.
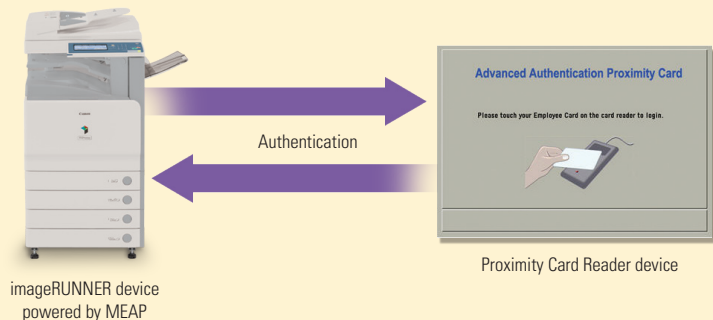
Customization

That's why Canon offers customizable MEAP applications that can facilitate increased security measures.

Advanced Authentication—Proximity Card is one such application that enhances an enterprise's need for securing access to its imageRUNNER device(s). The application requires users to authenticate themselves utilizing a proximity card* in order to access the imageRUNNER model(s). Advanced Authentication—Proximity Card supports multiple proximity cards and card readers that allow maximum deployment into unique customer environments.

CUSTOMIZATION EXAMPLES

Advanced Authentication is built on the Canon MEAP platform and, therefore, can be customized to meet your requirements. Some sample customizations include:

> Adding your company logo

> Support a special proximity card format

> Authenticating against different directory servers

Advanced Authentication Proximity Card

Please touch your Employee Card on the card reader to login.

Authentication

Proximity Card Reader device

imageRUNNER device
powered by MEAP

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* Employee cards could be used if they're supported proximity cards. Refer to the FAQ section for supported proximity cards and proximity card readers.

MEAP DEVICE

Upload DB file from a PC to the device disk through the servlet service.

Advanced Authentication— Proximity Card Application

Proximity Card Login

Query the in-memory DB for Authentication.

Servlet

In-Memory DB

Load DB from the device disk to the in-memory DB every time the device is updated. If DB is encrypted, then decrypt it.

DB on Device (Encrypted)

Looking at various regulatory acts that have been passed during the last several years, such as GLBA, SOX, and HIPAA, Advanced Authentication—Proximity Card can help any company document and build internal controls necessary for complying with the provisions of these acts.** Requiring users to authenticate themselves at the device helps further protect confidential information by preventing unauthorized users from gaining access. In turn, this helps in securing the environment and strengthening internal controls. In addition to user authentication, the application features tools to help manage the device(s) from a central location, broadening the security scope of the application.

Increase your security and strengthen compliance requirements by adding the optional imageWARE Accounting Manager for MEAP application to help track imageRUNNER usage and activity by individual users, groups, and/or departments. imageWARE Accounting Manager for MEAP adds security and helps track costs for a total security and tracking solution. Other Canon solutions that can be used in conjunction with Advanced Authentication—Proximity Card are imageWARE Secure Audit Manager, Authorized Send, and Secured Print.

Feature Overview

Advanced Authentication—Proximity Card customization provides opportunities to meet a customer's demand for diverse business requirements and environments. As a developer for customized MEAP applications, Canon is leading the way with proven custom and secure solutions that can help meet the requirements of the changing office environment.

The Advanced Authentication—Proximity Card MEAP application requires the use of an employee's proximity card to gain access to imageRUNNER multifunction devices. Requiring employees to utilize their ID cards provides a business with integrated and controlled security measures for accessing Canon multifunctional devices. The user's card ID is used for authentication and then retrieves the user's unique information from the stored local database.

The Advanced Authentication—Proximity Card MEAP solution includes the following base features:

- **Log-in Authentication:** Enables a user to log-on to a MEAP enabled device with a proximity/smart card
- **User Table:** Allows for the upload of a user table by an administrator to the target MEAP enabled device
- **No Server Required:** The application doesn't require its own dedicated server, thus reducing TCO and maintenance efforts

For more information on how Advanced Authentication— Proximity Card customization can help you, contact your Authorized Canon sales representative.

Advanced Authentication—Proximity Card

BENEFITS

> Leverages and extends a company's existing investment in its card reading system to include access to imageRUNNER devices

> Provides a server-less authentication solution

> Protects confidential information by preventing unauthorized users from accessing the imageRUNNER device through required user authentication via ID card, user name, and/or card ID

> Allows IT administrators to remotely manage access to imageRUNNER multifunction devices via a central location

> Creates usage and charge-back reports for internal cost analysis with the optional imageWARE Accounting Manager software

> Presents customers tight security measures to lock down their imageRUNNER multifunction devices from unauthorized use

> Provides proximity card authentication integration with an existing authentication server (such as Windows® 2000, Windows 2003, and Novell®)

FAQ

Q. **What's the difference between proximity cards, smart cards, and magnetic stripe cards?**

A. Proximity cards are contactless cards whose presence and data can be sensed by an interface device not in physical contact with the card; these are commonly used in enterprise environments. Smart cards are plastic cards that contain a computer chip and are typically used for performing operations that require access to the data stored on the chip; these are commonly used in government environments. Magnetic stripe cards are those that are read by physical contact and swiping past a reading head; these are commonly used in education environments.

Q. **What are the necessary components to run the Advanced Authentication—Proximity Card MEAP application?**

A. You'll need a MEAP enabled imageRUNNER device, plus:
  • Advanced Authentication—Proximity Card MEAP application
  • Proximity Card Reader and Proximity Card

Q. **How do I know if Canon supports a particular card type?**

A. Find the name of the manufacturer of your card(s) and card reader(s). Canon already supports the following:

CARD TYPE	CARD READER
HID Prox	pcProx USB
Casi-Rusco	pcProx USB
HID iClass	AIR ID Enroll
MIFARE	AIR ID Enroll
AWID	pcProx USA

It may be possible for Canon to customize the Advanced Authentication—Proximity Card MEAP application to support other card types and readers. Please check with your local Authorized Canon sales representative.

Q. **What types of log-in services does the Advanced Authentication—Proximity Card MEAP application allow?**

A. It offers two types of log-in services:
  • Local Log-in: Allows users to log-in by using a proximity card at the MEAP enabled device
  • Remote Log-in: Allows users to log-in via remote Web access by providing their user name or card ID

Q. **Does Canon supply a card reader with the Advanced Authentication—Proximity Card MEAP application?**

A. Customers are responsible for supplying card readers as well as configuring the card type and reader attached to the MEAP enabled device. If customers require instructions on configuring proximity cards and readers, they should refer to the documentation that came with the card reader.

Q. Can Canon integrate a proximity card authentication with an existing authentication server (such as Windows 2000, Windows 2003, Novell, and Domino)?

A. Yes. Canon can create a custom application that's suited to a customer's unique environment.

Q. How long does it typically take to deploy the Advanced Authentication—Proximity Card MEAP application?

A. The length of the deployment depends on the complexity of the customization. A simple customization can take less than 30 days while a more complex customization can take several months.

Q. How can I find out more information about the Advanced Authentication—Proximity Card MEAP application?

A. The Advanced Authentication—Proximity Card MEAP application is customized for every installation, so detailed specifications are not published. Contact your Authorized Canon sales representative for more information about how the Advanced Authentication—Proximity Card MEAP application can be customized for your business.

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