



Mifare® Plug-in

Technology at work for you

The usage of Mifare cards are growing widely in the recent years. The requirements for the personalization of these mifare cards varies from customer to customer ,where the development time, representation of data ,particulars of the sector /block makes the work a time consuming process. Mifare® plug-in application acts a flexible and a customized solution to over come these challenges. The application is mainly categorized into Key Management and Mifare card personalization. The Mifare® plug-in application is compatible with Datacard® IDCentre™, Datacard® ID Works® and ICard Plus.

The application is mainly categorized into Key Management and Mifare card personalization. Key Management application provides interface to accept the Mifare card transport keys, personalization keys, Access conditions and MAD Details. This application provides facility to store the key information in the encrypted file/Key card.

Mifare card personalization personalizes the Mifare card with the user data. Key Management application produces the xml file, which contains information about template, transport keys, personalization keys, MAD data, Database related information, card mapping information and programming station names.

USER CARD PERSONALIZATION WITH KEY MANAGEMENT APPLICATION

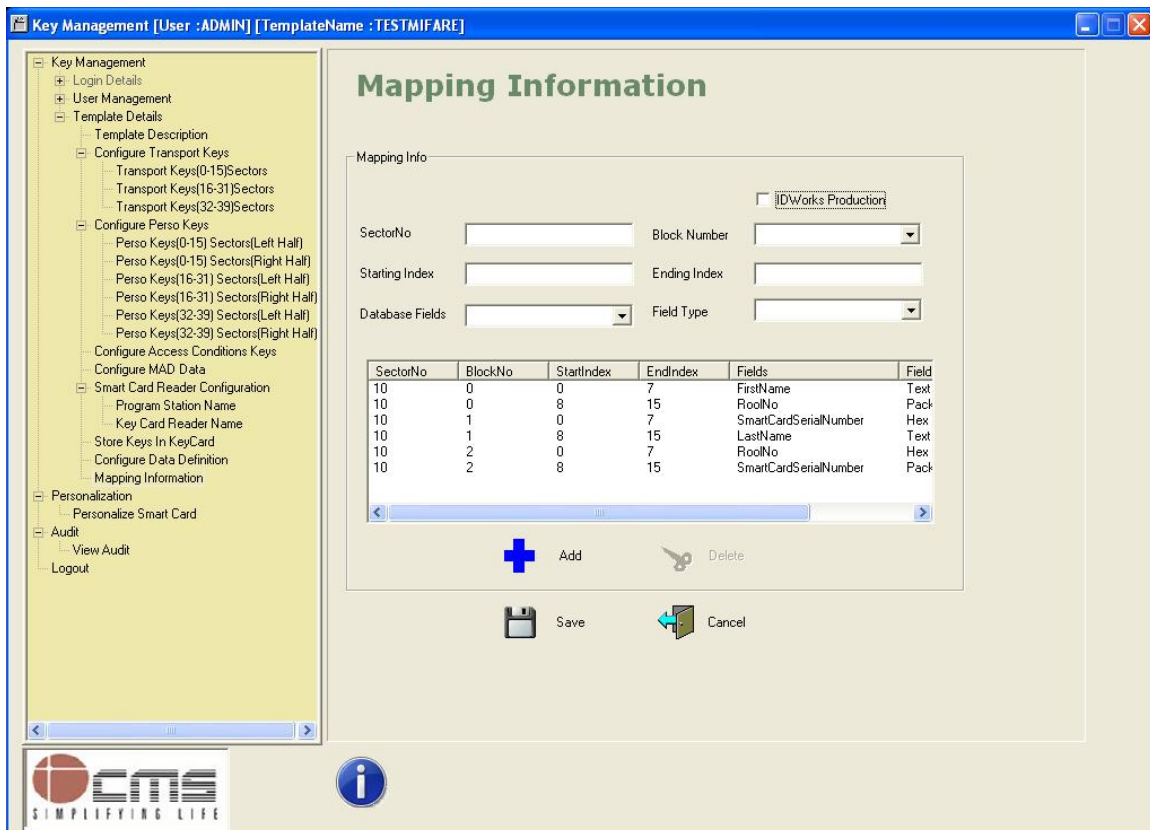
- Key management application provides the project name and key field value to the mifare personalizer for card personalization.
- The user can define the data source for personalizing the card either from the key management application or ID Works® or ICard Plus, based on the defined data source the user can map a particular field to the respective mifare block in the sector address wise.
- Data engine layer connects to the database and fetches the information for personalization based on the mapping information available as the xml out put file in the key management application.
- The Key Management xml out file provides information about database fields mapped to sector and block on the card.

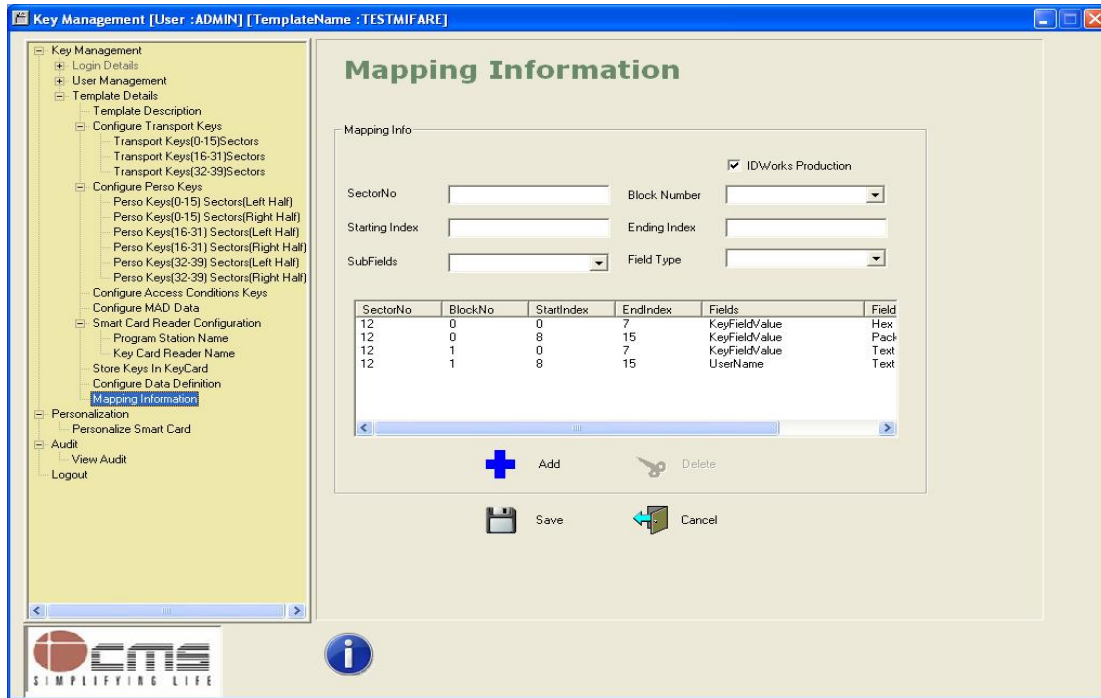
The user card personalization can also be achieved by ID Works® smart card application manager encoded plug-in or ICard Plus. During runtime ID Works® or ICard Plus invoke the mifare personalizer, where as the mifare personalizer in turn uses the service provided by dataengine layer for extracting the information from the key management application xml out file for the personalization.

Smart card application manger (available in Datacard® ID Works®/ ICard Plus) provides information about all the encoded subfields created under the ID Works® project or ICard Plus. In this case Key Management application will do the mapping with respect to sector and block for personalization

FEATURES

- The smart card can be personalized directly from the key management application.
- Log in feature provides security for Key Management application from unauthorized access.
- Mapping Information facilitates the user to personalize the data as block wise in a sector.
- Reduces the time to develop and test a smart card project
- All data formats are supported Hexadecimal, Packed BCD and text.
- The audit helps the user to view the list of activities and their results performed by the user at any time.
- The smart card keys are protected.
- The data from the smart chip can be read by an ODBC database, and currently stored in Microsoft access database.
- The Mifare® plug-in application supports Mifare® classic 1K and 4K cards.





BENEFITS

- Administrative rights are the privileges on various modules of the application, given by the administrator to other users (of the application).
- The modules of the application can be enabled / disabled based on the administrative rights of the user after successful log in.
- The DSN details can be configured for ID Works® production to update the database with serial no of personalized smart card.
- The personalization of the smart card can be done from KeyManagement application or using (ID Works®/ICard Plus).
- With Mifare® plug-in application the process gets simplified and reduces the time.
- No programming knowledge is required to use Mifare® plug-in application.



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