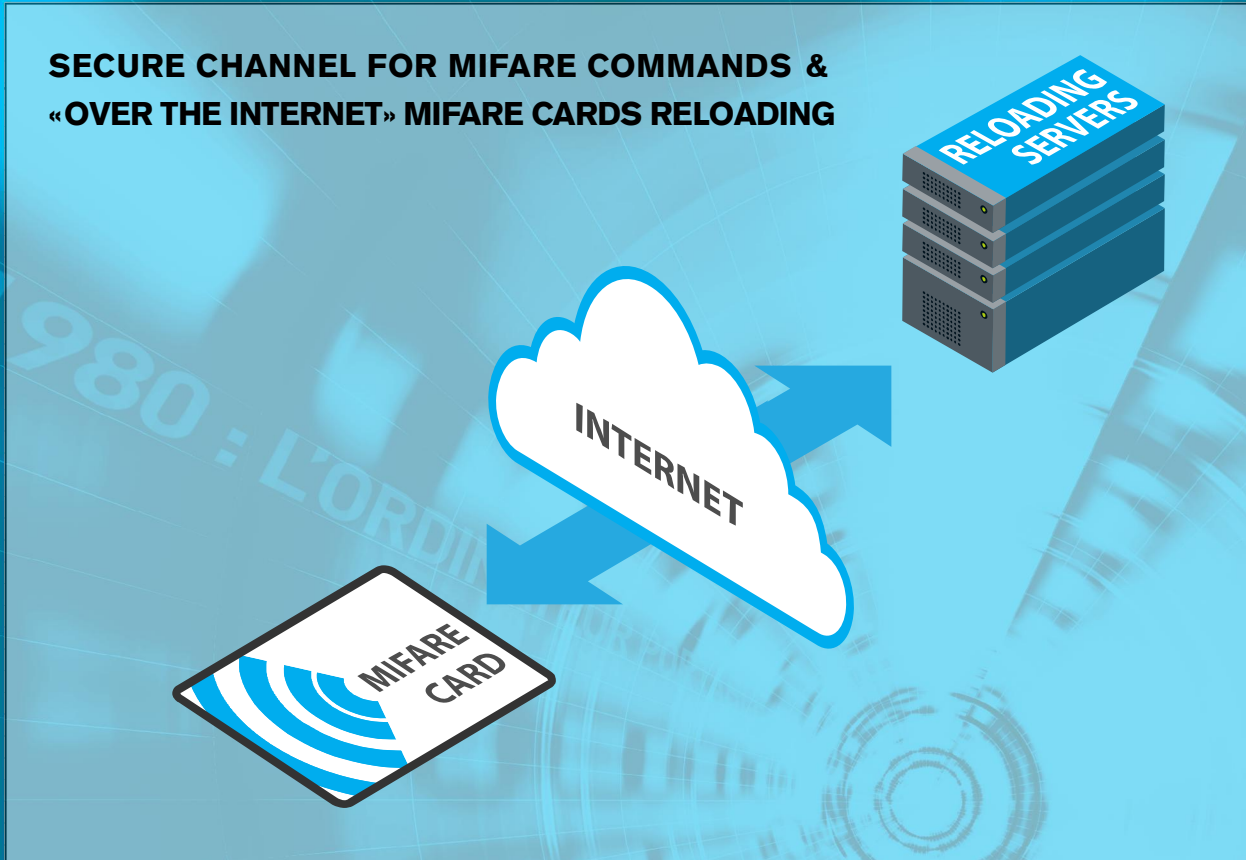


Secure online MIFARE® cards reloading



Neowave software suite for online reloading with a wide range of contactless medias : MIFARE cards, usb keys or contactless tickets...

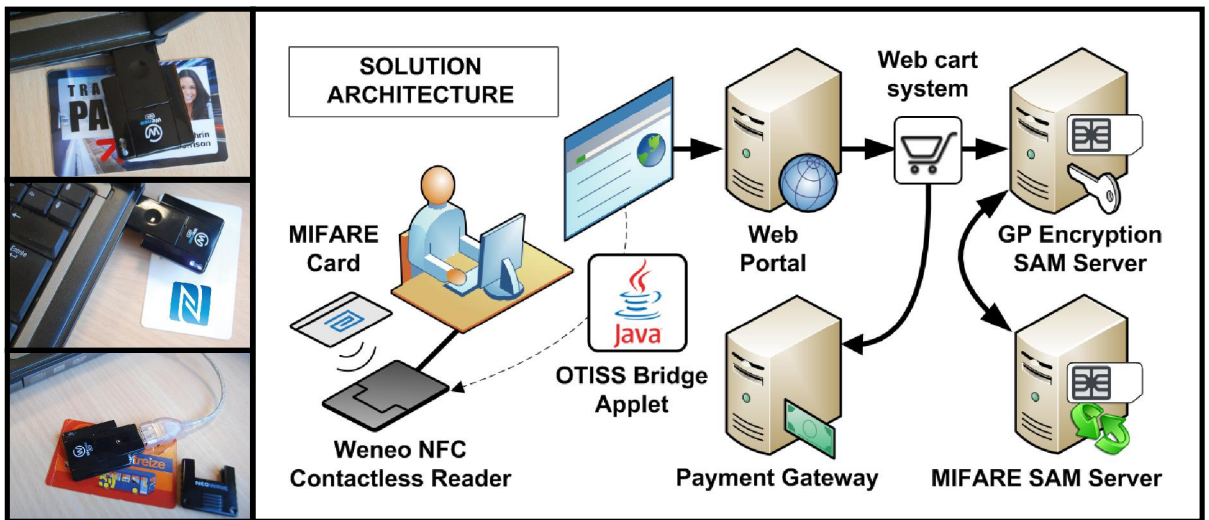
Easy to implement and dedicated « Web Services »

1. Based on Weneo NFC reader to offer end to end secure channel, from the contactless (smart card) media to the SAM manager : All MIFARE transactions stay encrypted on the internet and on the user's computer
2. Optimized and scalable SAM servers et Web services architecture
3. Multi-platform solution : Windows, Mac, Linux

Applications :

Transport, ticketing, e-platforms, city card, e-purse, tourism ...

Over The Internet Security Suite for MIFARE®



Main benefits

- ✓ The first and only solution allowing secure online reloading of MIFARE cards
- ✓ Making life easier for end users: Online transactions services deployment
- ✓ Same architecture as OTISS for Calypso, an already deployed proven solution for several e-services
- ✓ Optimizing performances: Queue management, SAM farm handling...
- ✓ Creating attractive business models: Drastic cost reduction for media life cycle management

SAM Server & Web server

- ▶ MIFARE SAM management for centralized and secure MIFARE commands
- ▶ GlobalPlatform SAM management for encrypted sessions (No clear MIFARE commands on Internet or in the user's computer)
- ▶ Ajax Web Services (to be integrated in the payment gateway workflow if needed)

OTISS Bridge Applet

- ▶ «OTISS bridge applet» is a Java applet embedded in web pages and executed by browsers. This applet makes the link between the JavaScript code in web pages and the USB Weneo NFC contactless reader.

Weneo NFC Reader

- ▶ Pocket size contactless reader (USB key form factor)
- ▶ Secure SIM card and internal CPU to handle end-to-end MIFARE transactions security

