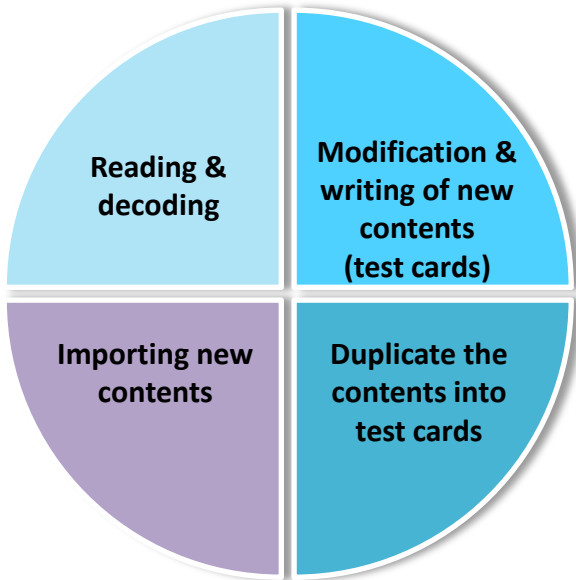


Cards Reading, Decoding, Duplication and modification

<p>Your needs</p> <ul style="list-style-type: none"> ▶ Reading ticketing portable objects (cards, tickets, mobile phones, etc.) ▶ Writing in test portable objects ▶ Decoding and modifying their contents 	<p>Our solution</p> <ul style="list-style-type: none"> ▶ Raw and decoded contents display ▶ Recording and duplication ▶ Modifying the contents ▶ Importation from an external file
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<p>Benefits</p>	<ul style="list-style-type: none"> ▶ Contents management (contracts, events, etc.) ▶ Interoperability tests facilitated ▶ Facilitate integration of new specifications ▶ Logging raw and decoded contents for future reference ▶ Log of all operations
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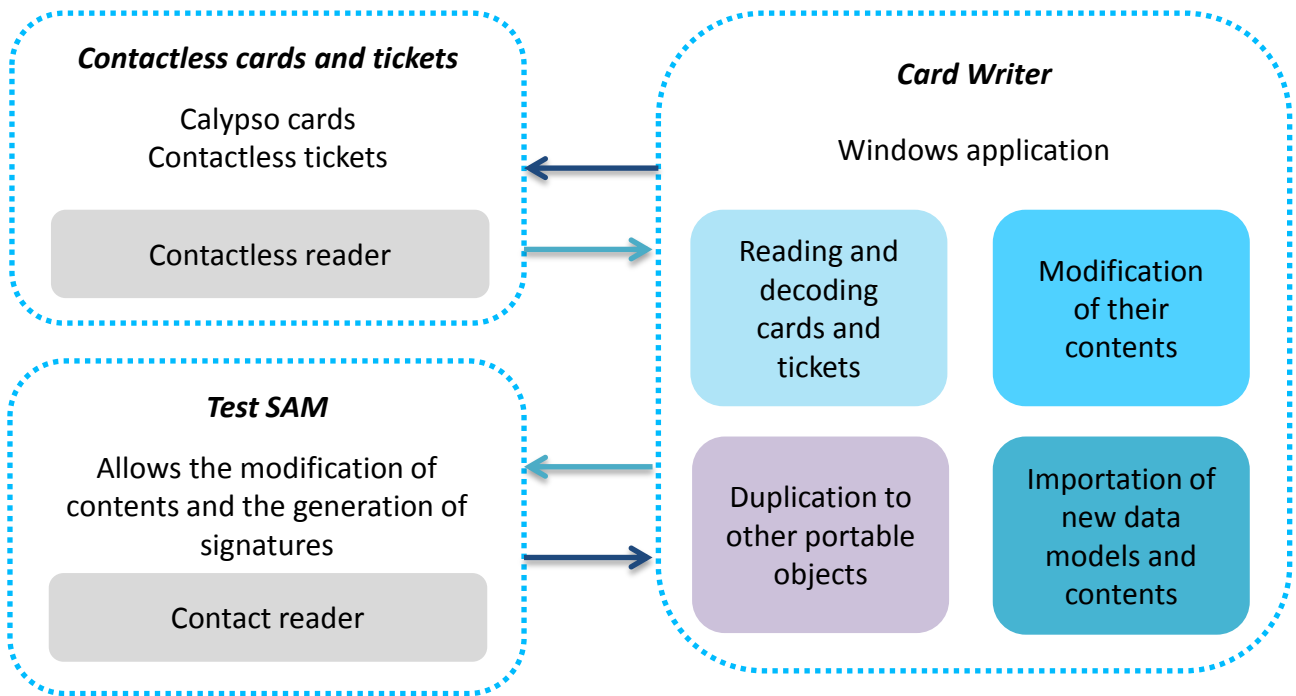
Reading and secure modification of cards and tickets

Card Writer allows reading, modifying and adding contents in the contactless cards and tickets in a simple and secure manner:

- ▶ Record-keeping of all operations
- ▶ Copy of the data contents of cards and tickets in disk files

Card Writer

Reading & Decoding	<ul style="list-style-type: none"> ▶ Display of the raw and decoded contents ▶ Distinctive display of incorrect values
Modification & Writing new contents	<ul style="list-style-type: none"> ▶ Writing new contents in the contactless card or ticket ▶ Backup of the contents in text files ▶ Analyze the terminal behavior with specific contents
Contents duplication	<ul style="list-style-type: none"> ▶ Duplication with automatic detection of cards and tickets ▶ Duplication from a disk file
Importing new contents	<ul style="list-style-type: none"> ▶ Cards and tickets management ▶ Possibility to import your own models (XML files)



Technical specifications	
Functions	Reading and decoding the contents of cards and tickets
	Export of the contents in text files
	Modification and duplication of the contents
	Computation of signatures adapted to the type of portable object
	Import from a disk file (XML format)
Performance	Use of several SAM simultaneously to manage several operators
	Automatic choice of the SAM for writing and computing signatures
Compatibility	Calypso Rev 3, 2 et 1. Contactless tickets.
	Windows 8, 7, xp
	Any data model
Hardware Features	Contactless reader
	Contact reader (for the SAM)
	The SAM are supplied by the transport authorities. <i>It is recommended to use only test SAMs.</i>
Administration	Log of all sessions and operations done
	Import of new contents in the library
Service	Update of all supported data models
	Update of the files structure