

SCARD_Plugin

Release 0.1 - Single user only !

Please send us suggestions or bug reports !!

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Updates and more information on : <<http://www.septmr.com>>

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SCARD_Plugin Applies to RealBasic 2006r4 or more recent running on Mac OSX 10. platforms

SCARD_Plugin allow interface to PCSC Apis (Smart Card)

<http://alioth.debian.org/projects/pcsclite/>

SCARD Plugin Property :

Name	type	Description
RegistrationCode	string	theRegistration code. When registered disable the "register" dialog box.
Readers	string	The Readers Names
DataRead	string	Data Buffer Read from Transmit Command
DataWrite	string	Data Buffer Write with Transmit Command
AttrRead	string	Attr Buffer Read from Status Command

FFT_Plugin Method :

Name	Parameters	Description
SCardEstablishContext		This function creates a communication context to the PC/SC Resource Manager. This must be the first function called in a PC/SC-SCARD application.
SCardReleaseContext		This function destroys a communication context to the PC/SC Resource Manager. This must be the last function called in a PC/SC application.

SCardListReaders		<p>This function Set the property « Readers » a list of currently available readers on the system.</p> <p>The reader names is a multi-string and separated by a nul character ('\0') and ended by a double nul character. "Reader A\0Reader B\0\0".</p>
SCardConnect	Reader as string, Mode as integer, Protocol as integer	This function establishes a connection to the friendly name of the reader specified in szReader. The first connection will power up and perform a reset on the card.
SCardReconnect	Mode as integer, Protocol as integer, Action as integer	This function reestablishes a connection to a reader that was previously connected to using SCardConnect().
SCardDisconnect	Disposition as integer	This function terminates a connection to the connection made through SCardConnect.
SCardBeginTransaction		This function establishes a temporary exclusive access mode for doing a series of commands or transaction. You might want to use this when you are selecting a few files and then writing a large file so you can make sure that another application will not change the current file. If another application has a lock on this reader or this application is in SCARD_SHARE_EXCLUSIVE there will be no action taken.
SCardEndTransaction	Disposition as integer	This function ends a previously begun transaction. The calling application must be the owner of the previously begun transaction or an error will occur. dwDisposition can have the following values: The disposition action is not currently used in this release.
SCardTransmit		This function sends an APDU (stored in the DataWrite property) to the smart card contained in the reader connected to by SCardConnect(). The card responds from the APDU and stores this response in DataRead property
SCardControl	ControlCode as integer	This function sends a command (Stored in DataWrite property) directly to the IFD

		Handler to be processed by the reader. This is useful for creating client side reader drivers for functions like PIN pads, biometrics, or other extensions to the normal smart card reader that are not normally handled by PC/SC.
SCardStatus		This function returns the current status of the reader connected. It's friendly name will be stored in Reader. AttRead property is updated
SCardGetStatusChange	TimeOut as integer	This function receives a structure or list of structures containing reader names. It then blocks for a change in state to occur for a maximum blocking time of Timeout .A status change might be a card insertion or removal event, a change in ATR, <i>etc.</i>
SCardCancel		This function cancels all pending blocking requests on the GetStatusChange() function.
SCardError as string	ErrCode as integer	This function return a human readable text for the given PC/SC error code.

Sample :

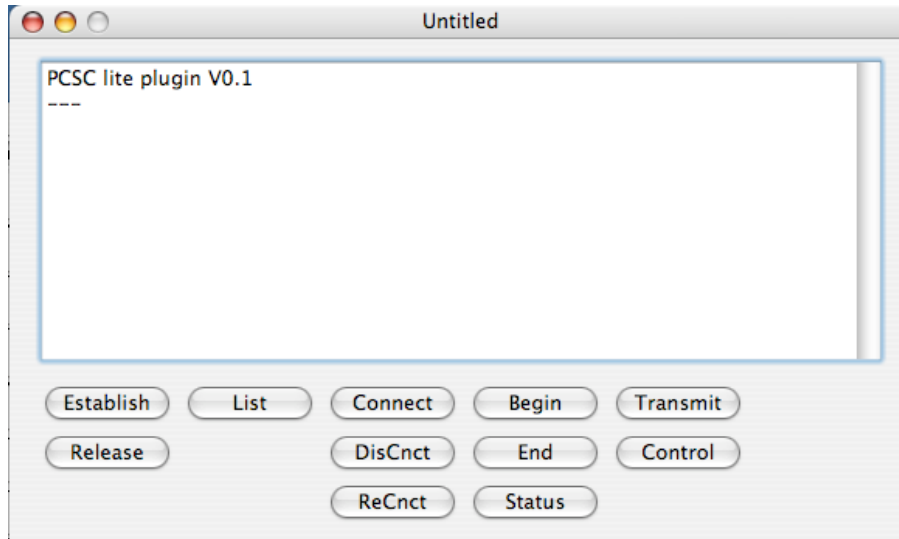
History

25 Feb 2007 : 0.1

First Release of the plugin and of the Demo App

TestSCARD-1.0.rbp

TestSCARD is a test application for SCARD_plugin. TestSCARD source is free.

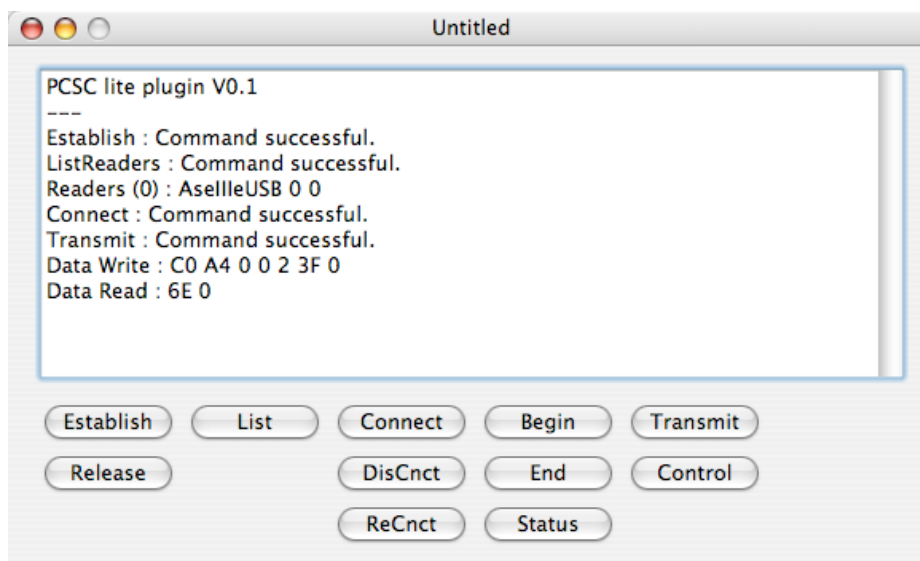


Test TestSCARD main window is segmented into two parts :

- and info display multiline editfield
- buttons

each button action is associated to an SCARD_plugin API

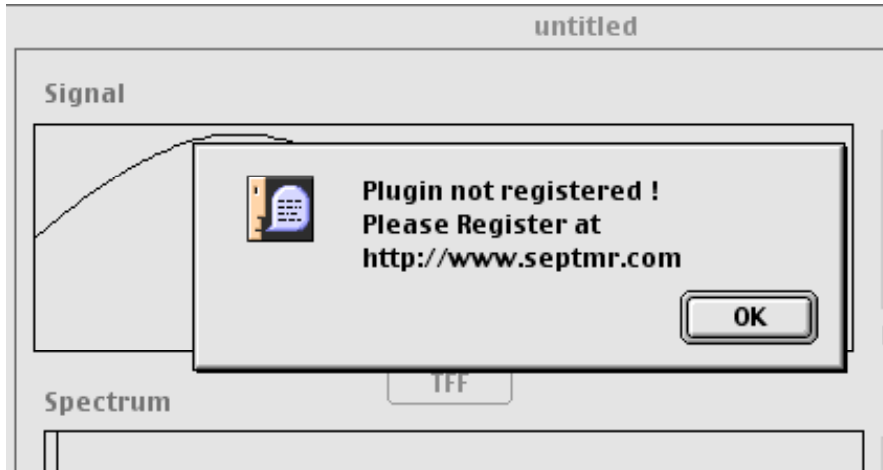
next window show response to Establish, List, Connect, Transmit Action. An Athena ASEIIIe smart card reader connect to the USB port of an MacBook.



Registration Code is disabled in pre 1.0 version

How to setup Registration Code in your App ?

FFT_Plugin is now a shareware and it is necessary to register to avoid periodically drawing of the Please Register Alert !



Setup Registration Code in your App is very easy.

First please to our Web Site (<http://www.septmr.com>)
Press purchase button below SCARD_PLUGIN.



Purchase is done from PayPal.

After checking your payment PayPal will send you an e-mail with the registration code like the following.

Dear customer,

Thank you for purchasing SEPTMR software.

To activate the Registered mode, open the "About ..." window under the Apple menu or the Windows menu and in the field labeled "Activation Key" enter MDBwMqY7Nu-356876964. Please enter the MDBwMqY7Nu-356876964 as shown, because the fields are case sensitive and you will not be able to use the program if they are not entered exactly as shown here. Also, this is your private SECRETE code, so do not give it out to others.

If you have any questions about SEPTMR software please contact support@septmr.com

the Activation code is **MDBwMqY7Nu-356876964** in our case.
to register in your code simply do something like.

```
----  
my_ method_to_do_something(param as void) as void  
dim mySCARD as SCardClass  
  
mySCARD = new SCardClass  
mySCARD.RegistrationCode = "MDBwMqY7Nu-356876964"
```

```
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```

then the drawing of the PleaseRegister Window will be disabled.

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