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# CMSFramework.js

## Static initFramework( token)

### Description

Initialize the native library and payment library based on module information from CMS server

The API will trigger ‘CMSEVENT’

### Parameters

* token: CMS token

## Static getVersion( token)

### Description

Get android/iOS native framework version

The API will trigger ‘CMSEVENT’

## static selectPinpad(String name)

### Description

Select pinpad from pinpad list

### Parameters

* Name: an string of pinpad name

## static connectPinpad()

### Description

 connect to Selected PinPad.

It will trigger ‘CMSEVENT’ event

### Parameters

NONE

static getPinpads();

Description

Return a string array of connected pinpads.

Returns an array sent to ‘CMSEVENT’

Parameters

None

# TMSupdates

Static TMSupdate ()

### Description

Retrieve update from Server.

### Parameters

# Transaction Functions

## static processSale(transDict)

### Description

Start a Sale Transaction, the operation will invoke the callback functions during the transaction

### Parameters

* transDict: JSON String
* transDict Fields:
  + Amount: String containing transactions amount without decimal point.”100” means “1.00”
  + Tender:String contains Tender type such as “Credit”

## static processVoid( transDict)

### Description

Start a void Transaction, the operation will invoke the callback functions during the transaction

### Parameters

* transDict: JSON string
* transDict parameters:
  + Amount: String containing transactions amount without decimal point.”1.00” means “1.00”
  + Reference`: String contains reference codes for previous approved transaction
  + Cardinfo: an JSONstring that contains card information,its optional field

## static processReturn(transDict)

### Description

Start a Return Transaction, the operation will invoke the callback functions during the transaction

### Parameters

* transDict: JSON string
* transDict parameters:
  + Amount: String containing transactions amount without decimal point.”1.00” means “1.00”
  + Tender:NSString contains Tender type such as “Credit”,”Cheque”,”Debit”
  + Reference`: String contains reference codes for previous approved transaction
  + Cardinfo: an JSONstring that contains card information,its optional field
  + transaction

## static processAuthorization (transdict)

### Description

Process authorization transaction with Credit card

### Parameters

Amount: String containing transactions amount without decimal point.”100” means “1.00”

Tender: String contains “credit”

## static processCapture(,String transDict)

### Description

Process Capture transaction with Credit card

### Parameters

* transDict: Dictionary contains transaction information
* transDict parameters:
  + Amount: String containing transactions amount without decimal point.”100” means “1.00”
  + Reference: String contains reference codes for previous approved transaction
  + Cardinfo: an JSONstring that contains card information,its optional field

## static signatureVerified(boolean result)

### Description

Notify the verification result of signature to library

### Parameters

* Result: Bool indicate the signature is passed or not

# CMSEVENT

The library sends ‘CMSEVENT’ the event values are JSON. The JSON contains different fields for different library events:{field name:value}

## **Fields**

## **initCompleted**

### Description

If this field is presented, it notifies RN that library has finished initialization

### Parameters

If value is simply ‘success’ the initialization process is success, otherwise, it returns JSON with error field{error:errormessage}

## **transactionMessageUpdate**

Description

Transaction update information, such as insert card, processing

## **pinPadConnectionCompleted**

### Description

If value is simply success, the connection is success, if value is an JSON with ‘error’ field. That means pinpad connection has failed with error message

## **TMSupdateCompleted**

### Description

Notify RN that pinpad TMS update is finished

## **transactionSaleCompleted**

### Description

* Notify RN that transaction sale is completed
* Result JSON has following fields
  + AuthCode: authorization code from payment Gate way.
  + Status: Transaction status
  + AuthorizedAmount: approved amount by gateway
  + References: reference value from payment Gateway
  + Cardhash: hashvalue of card (optional)
  + Voided: if transaction is Vodied
  + Refunded: if transaction is return
  + Module: Module information
  + TransType: Transaction Type
  + Cardinfo: Dictionary
    - First6: first 6 of pan
    - Last4: last 4 of pan
    - CardType:card brand
    - ExpDate: expire date of card
    - Name: card holder name

## **transactionReturnCompleted**

### Description

* Notify RN that transaction Return is completed
* Result JSON has following fields
  + AuthCode: authorization code from payment Gate way.
  + Status: Transaction status
  + AuthorizedAmount: approved amount by gateway
  + References: reference value from payment Gateway
  + Cardhash: hashvalue of card (optional)
  + Voided: if transaction is Vodied
  + Refunded: if transaction is return
  + Module: Module information
  + TransType: Transaction Type
  + Cardinfo: Dictionary
    - First6: first 6 of pan
    - Last4: last 4 of pan
    - CardType:card brand
    - ExpDate: expire date of card
    - Name: card holder name

## **transAuthorizationCompleted**

### Description

* Notify RN that transaction authorization is completed
* Result JSON has following fields
  + AuthCode: authorization code from payment Gate way
  + Status: Transaction status
  + AuthorizeAmount: approved amount by gateway
  + CardReferences: reference value from payment Gateway
  + Cardhash: hashvalue of card
  + Voided: if transaction is Vodied
  + Refunded: if transaction is return
  + Module: Module information
  + TransType: Transaction Type
  + Cardinfo: NSDictionary
    - First6: first 6 of pan
    - Last4: last 4 of pan
    - CardType:card brand
    - ExpDate: expire date of card
    - Name: card holder name

## **transactionCaptureCompleted**

### Description

* Notify RN that transaction Capture is completed
* Result JSON has following fields

### 

* + AuthCode: authorization code from payment Gate way
  + Status: Transaction status
  + AuthorizeAmount: approved amount by gateway
  + CardReferences: reference value from payment Gateway
  + Cardhash: hashvalue of card
  + Voided: if transaction is Vodied
  + Refunded: if transaction is return
  + Module: Module information
  + TransType: Transaction Type
  + Cardinfo: Dictionary
    - First6: first 6 of pan
    - Last4: last 4 of pan
    - CardType:card brand
    - ExpDate: expire date of card
    - Name: card holder name

## **verifySignature**

### Description

The Transaction request signature verication

Notifyflg:Bool identify if the verification result returns to library

## **frameworkVersion**

### Description

The value is native library version. The format is {majorversion}-BD{builddatetime}. Major version is version number such as v1.00 BD is for build date&time. the format is MMMddyyyhhmmss