

mPay HSM API : Encryption / Decryption

1. HsmGetClientEncryptedData

Request Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Optional (O) Mandatory (M)	Encryption
TerminalNumber	Terminal No.	Unique ID of the Terminal of Third Party Integrator Platform	36925874	Numeric	M	Not Required
Data	Data	Data you want to encrypt	Test	Not Applicable	M	Not Required

Response Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Decryption
ResponseCode	Response Code	Response Code for Request	000	Numeric	Required
ResponseDescription	Response Description	Description of respective Response Code	---	Alphanumeric	Required
Data	Data	Encrypted Data	---	---	---

Example for Data Encryption and Decryption

Post Request url => <http://hsm.mpay.com.gh/hsmrest/hsmrest/>

Request

Post Data

=>function=HsmGetClientEncryptedData&filename=hsmappp&TerminalNumber=36925874&Data=test

Response Data =>

```
{"ResponseCode":"000","Data":"RPbZTzQIdSUCLR595AC7pw,,","ResponseDescription":"Successfull"}
```

2. HsmGetClientDecryptedData

Request Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Optional (O) Mandatory (M)	Encryption
TerminalNumber	Terminal No.	Unique ID of the Terminal of Third Party Integrator Platform	36925874	Numeric	M	Not Required
Data	Data	Data you want to decrypt	RPbZTzQIdSUCLR595AC7pw,,	Not Applicable	M	Not Required

Response Syntax

Field Details

Field TAG	Field Brief	Remark	Example	Field Type	Decryption
ResponseCode	Response Code	Response Code for Request	000	Numeric	Required
ResponseDescription	Response Description	Description of respective Response Code	---	Alphanumeric	Required
Data	Data	Decrypted Data	---	---	---

Example for Data Encryption and Decryption

Post Request url => <http://hsm.mpay.com.gh/hsmrest/hsmrest/>

Request

Post Data

=>function=HsmGetClientDecryptedData&filename=hsmapp&TerminalNumber=36925874&Data=RPbZTzQldSUCLR595AC7pw%2C%2C

Response Data => {"ResponseCode":"000","Data":"Test","ResponseDescription":"Successfull"}