

Magensa Web Services

**MagnePrint MP Auth API
Programmer's Reference**

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Table 0.1 - Revisions

Rev Number	Date	By	Notes
10	3/16/2015	Donnie James	Initial release.

NOTICE

The information contained herein is confidential and proprietary to:

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Purpose of the document

The purpose of this document is to provide a description of how to call operations of the Magensa Decrypt web service.

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1 MPAuth Operations

1.1 MPAuth

A command used to decrypt a block of data and return the MagnePrint score.

1.1.1 Input Properties

Property (*)	Value	Value Description
CustomerCode *	<string>	Customer code
Password *	<string>	Password credential
UserName *	<string>	User name credential
BillingLabel	<string>	Billing label
DeviceSN	<string>	Device serial number
KSN *	<string>	Key serial number of the reader
MagnePrint *	<string>	Encrypted MagnePrint data
MagnePrintStatus *	<string>	Encrypted MagnePrint status
Track1	<string>	Encrypted Track 1 data
Track2 *	<string>	Encrypted Track 2 data
Track3	<string>	Encrypted Track 3 data
CustomerTransactionID	<string>	Customer transaction ID

Note: * = Required

1.1.2 Output Properties

Property	Value	Value Description
CustomerTransactionID	<string>	Customer transaction ID
MPCount	<string>	MagnePrint count
MPDaysOnFile	<string>	Number of days MagnePrint has been on file
MagTranId	<string>	Transaction ID in GUID form
MagnePrintScore	<string>	Decrypted MagnePrint data

DecryptCardSwipe Request:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:tem="http://tempuri.org/" xmlns:mpa="http://schemas.datacontract.org/2004/07/MPAuthGW"
xmlns:dec="http://schemas.datacontract.org/2004/07/Decrypt.Core">
  <soapenv:Header/>
  <soapenv:Body>
    <tem:MPAuth>
      <tem:request>
        <mpa:Authentication>
          <dec:CustomerCode>9900000000000002</dec:CustomerCode>
          <dec>Password>Password</dec>Password>
          <dec:Username>Username</dec:Username>
        </mpa:Authentication>
        <mpa:BillingLabel>label</mpa:BillingLabel>
        <mpa:CardSwipe>
          <dec:DeviceSN>B28C0DC</dec:DeviceSN>
          <dec:KSN>9010010B28C0DC000045</dec:KSN>
        </mpa:CardSwipe>
      </tem:request>
      <dec:MagnePrint>9B3AC2DB2D04750984F926E82D796AB57D1DE902FB98BB8032BDC9DB84C160D6C6A9C71B8C3416C8D
20AFF840258A347856FC39303A2701E</dec:MagnePrint>
      <dec:MagnePrintStatus>3162209</dec:MagnePrintStatus>
    </tem:MPAuth>
  </soapenv:Body>
</soapenv:Envelope>
```

```

<dec:Track1>98411D665A218F1E7AA11DD14E1ABEDB00B233FE8EAC7ED3E0BCD29A5DB98CAC182D269493F5AF991706E
D6748317908</dec:Track1>

<dec:Track2>BD7ADF130571F4F58C75F8F2C4AF4E5356CC1EC98B3397E53A8429729B88E519</dec:Track2>

<dec:Track3>D8513BD5F5A30843CC475D9AFBEC27BFC7F118F39AF63252EC301CB5881304D8ACF01CAD6D327BD040638
82077E188E4C8A9EE787919447680CCACB00ABAA20532737067A5F33235</dec:Track3>
    </mpa:CardSwipe>
    <mpa:CustomerTransactionID>123</mpa:CustomerTransactionID>
  </tem:request>
</tem:MPAuth>
</soapenv:Body>
</soapenv:Envelope>

```

DecryptCardSwipe Response:

```

<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body>
    <MPAuthResponse xmlns="http://tempuri.org/">
      <MPAuthResult xmlns:a="http://schemas.datacontract.org/2004/07/MPAuthGW"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance">
        <a:CustomerTransactionId>123</a:CustomerTransactionId>
        <a:MPCount/>
        <a:MPDaysOnFile/>
        <a:MagTranId>466fcce7-a9c5-4d76-b598-73be6174984c</a:MagTranId>
        <a:MagnePrintScore>0.8874</a:MagnePrintScore>
      </MPAuthResult>
    </MPAuthResponse>
  </s:Body>
</s:Envelope>

```

2 Status Codes and Messages

Status Codes and Messages returned by Magensa for Decrypt Operations

Internal errors

Code	StatusMsg	Notes
5000	Unknown Error	

Input Validation errors

Code	StatusMsg	Notes
602	KSN is required	
603	CustomerCode is required	
604	Username is required	
605	Password is required	
607	KSN is not valid	Either the value was not HEX, or the value was too long.
610	Track2 is required	
611	MagnePrint is required	
612	Track2 is not valid	Either the value was not HEX, or the value was too long.
613	MagnePrint is not valid	Either the value was not HEX, or the value was too long.
614	MagnePrint Status is required	
615	CustomerTransactionID is not valid	Occurs if the length is more than 256 characters.
616	BillingLabel is not valid	Occurs if the length is more than 64 characters.
701	Access Denied	
702	Device Not Allowed	
706	KSID Access Denied	