



Saman Micro Payment

Technical Specification

Last update at: 16 March, 2009 –26 Esfand ,1387

Web service

(SSL certificate)

(Encryption)

http

(Secure http) https

http://www.sb24.com

https://www.sb24.com

(acquirer.sb24.com www.sb24.com)

SSL

SSL

)

(....

IP

(Acquirer)

(Payment gateway)

(

)

Merchant ID

POST

(Redirect)

Total Amount .i
Merchant ID .ii
Reservation Number .iii
Redirect URL .iv

Total Amount

(integer)

)

(

Merchant ID

cookie session Reservation Number

<https://acquirer.sb24.com/CardServices/controller>

(PAN) .i

(PIN) .ii

(Expire Date) .iii

CVV2 .iv

RedirectURL

(Redirect)

POST

Transaction State .i

Reference Number .ii
Reservation Number .iii

(Reference Number)
Double Spending

OK

(Unique)

Verify Web Method

Reference Number .i
Merchant ID .ii

(Total Amount)

.A

.B

.C

.D

A

:

) Reservation Number

(

:

(

Timeout) (...)
verifyTransaction (...)
verifyTransaction (...)
(
(
(
IP
Double Spending
ACL SSL
(
(

MID IP web service IP (

)
(
:
:(Full Reverse)

Reservation Number
Reverse Web ()
:
Method
Merchant ID .i
Merchant Password .ii
Reference Number .iii
Reverse Amount = Total Amount of Invoice .iv

:(Partial Reverse)
Business Rule
Reservation Number
)
Reverse ()
:
Web Method
Merchant ID .i
Merchant Password .ii
Reference Number .iii

Reverse Amount = Desired Reverse Amount .iv

Reservation Number

:

(

(

IP

hard code

Merchant IP and Password ACL SSL

(

(

:Online Demo

<http://demo.sep.ir>

online demo

:Sep IMS

online

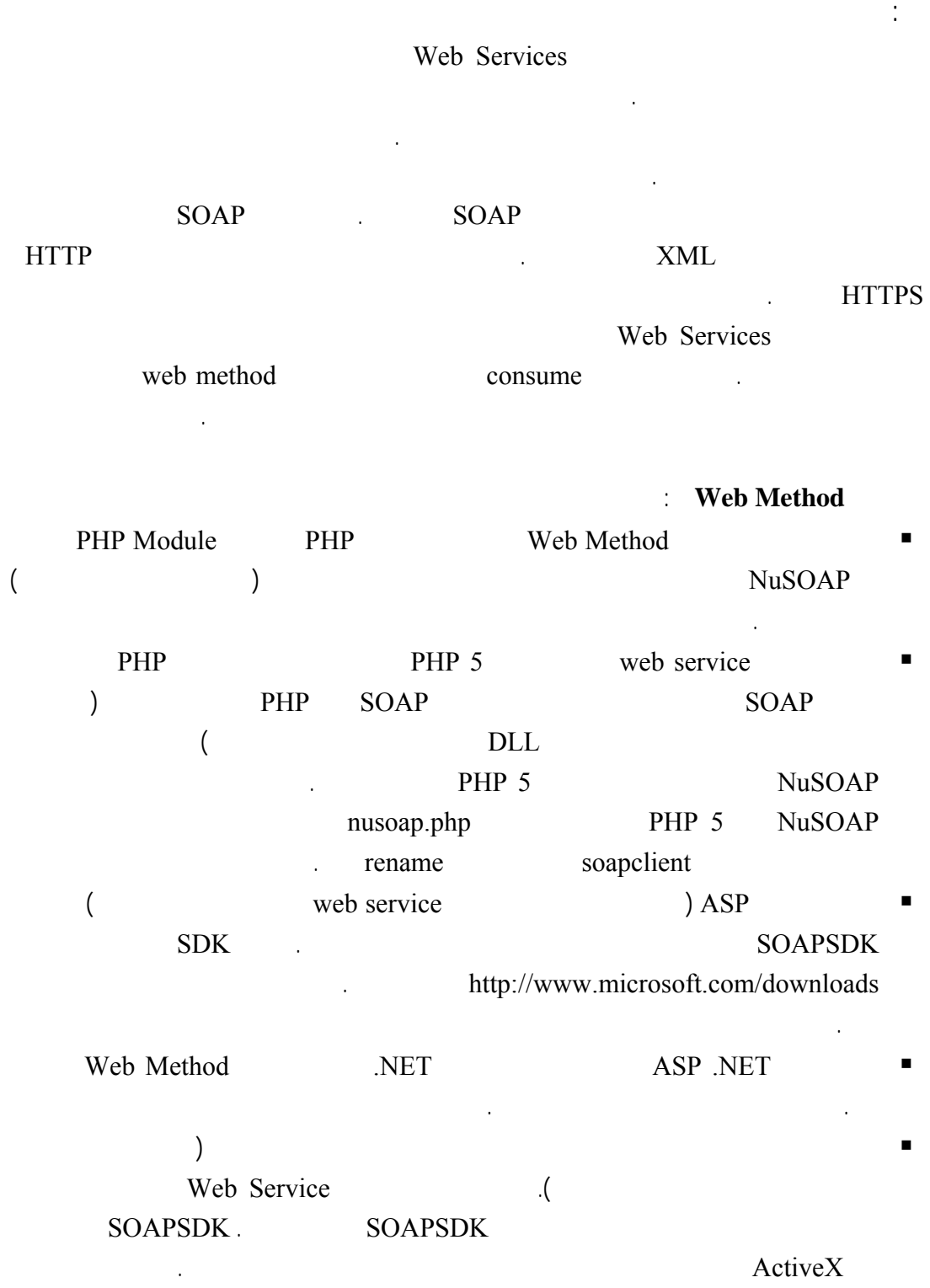
). <https://acquirer.sb24.com/MerchantService/jsp/loginPage.jsp>

(.

() *

*

Email



Simple Object Access Protocol ¹

SOAP-Lite

Perl

▪

client.jar

interface

wrapper

▪

classpath (Web Services

jar)

Web Methods :

(Web Method)

type

```
double verifyTransaction (  
    String    RefNum,  
    String    MerchantID,  
)
```

	String	RefNum
	String	MerchantID

verifyTransaction



```
int reverseTransaction (  
    String    RefNum,  
    String    MerchantID,  
    String    Password,  
    Double    RevAmount  
)
```

	String	RefNum
	String	MerchantID
	String	Password
	Double	RevAmount

reverseTransaction

	*
	-1
()	-2
	-3
() Merchant Authentication Failed	-4
Database Exception	-5
	-6
	-7
	-8
	-9
() Base64	-10
	-11
	-12
	-13
	-14
	-15
	-16
	-17
IP Address	-18

*

POST

	Amount
Reservation Number	ResNum
	MID
URL	RedirectURL
POST	

POST

	TableBorderColor
	TableBGColor
	PageBGColor
	PageBorderColor
	TitleFont
	TitleColor
	TitleSize
	TextFont
	TextColor
	TextSize
(" ")	TypeTextColor
(" ")	TypeTextColor
(" ")	TypeTextSize
	LogoURI

: POST

Reservation Number	ResNum
	RefNum
	State

RefNum

) . OK State
(verify

Cookie Based

Session Management

ResNum

Expire

Session

State

	Canceled By User
	Invalid Amount
	Invalid Transaction
	Invalid Card Number
	No Such Issuer
	Expired Card Pick Up
(PIN)	Allowable PIN Tries Exceeded Pick Up
(PIN)	Incorrect PIN

	Exceeds Withdrawal Amount Limit
PIN) Authorize (PAN	Transaction Cannot Be Completed
Timeout	Response Received Too Late
ExpDate CVV2 ()	Suspected Fraud Pick Up
	No Sufficient Funds
	Issuer Down Slm
	TME Error

(PIN)

PIN

PIN

(CVV2)

CVV2

ATM

PIN

CVV2

https://acquirer.sb24.com/CardServices/controller

Web Service Provider

Web Method

https://acquirer.sb24.com/ref-payment/ws/ReferencePayment?WSDL

https://acquirer.sb24.com/ref-payment/ws/ReferencePayment

https://acquirer.sb24.com/MerchantService/jsp/loginPage.jsp

002XXX-XXXX

(Merchant ID)