

Sage Exchange Virtual Desktop

Sage Payment Solutions

Secure Integration Guide

2/13

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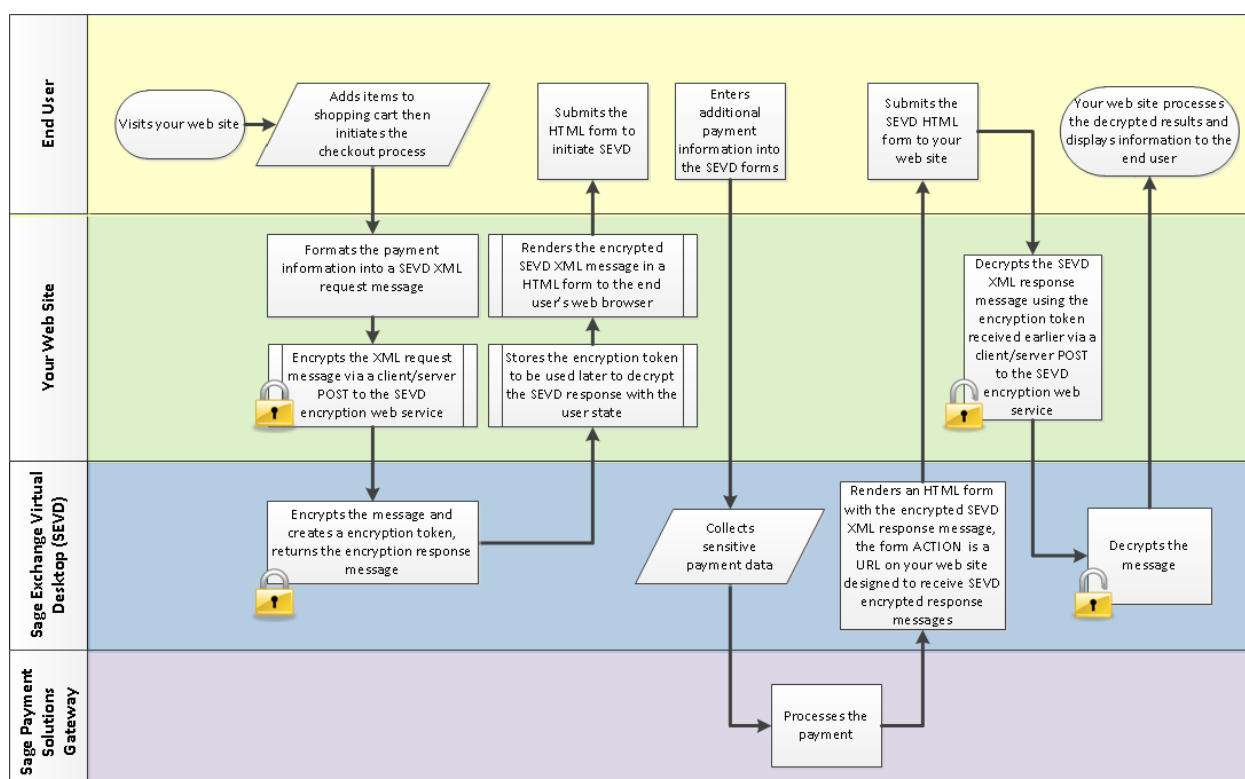
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Understanding Sage Exchange Virtual Desktop

Sage Exchange Virtual Desktop (SEVD) is a PA-DSS (Payment Application – Data Security Standard) certified payment platform that integrates with any type of web-based application. When a user initiates a credit card transaction, the application makes a seamless call to SEVD, where all aspects of processing the credit card occurs; including the transmission and storage of credit card data for applications that include these capabilities. The integrated application does not store, process, or transmit credit card data; therefore, does not require PA-DSS certification.

Using Sage Exchange Virtual Desktop

Below is a flowchart of the typical end user interaction and data flow for a payment request processed through a web site using SEVD; however, you can use any type of SEVD XML request (for example, authorization or credit).



Implementing Encrypt Message

Use this method to encrypt your SEVD XML message and to receive a SEVD envelope token. The envelope token is unique to every request processed with SEVD and is used to match the SEVD response received later. We recommend storing the token with your user state information. This allows you to look up the user state information using the SEVD response envelope token when you receive the response from SEVD. If you find a match, you can continue to process the results. To prevent replay issues, update your user state to indicate that the response has been received.

URL

Use the following link to access Sage Exchange Virtual Desktop:

<https://www.sageexchange.com/virtualpaymentterminal/frmenvelope.aspx>

Supported HTTP VERBS

POST

Request message body

The following is the request message body.

```
request=%3c%3fxml+version%3d%221.0%22+encoding%3d%22utf-
16%22%3f%3e%0d%0a%3cRequest_v1+xmlns%3axsi%3d%22http%3a%2f%2fwww.w3.org%2f2001%2fXMLSchema-
instance%22+xmlns%3axsd%3d%22http%3a%2f%2fwww.w3.org%2f2001%2fXMLSchema%22%3e%0d%0a%3cApplicatio
n%3e%0d%0a%3cApplicationID%3eDEMO%3c%2fApplicationID%3e%0d%0a%3cLanguageID%3eEN%3c%2fLanguageID%
3e%0d%0a%3c%2fApplication%3e%0d%0a%3cPayments%3e%0d%0a%3cPaymentType%3e%0d%0a%3cMerchant%3e%0d%0
a%3cMerchantID%3e00000000000000%3c%2fMerchantID%3e%0d%0a%3cMerchantKey%3eA1A1A1A1A1%3c%2fMercha
ntKey%3e%0d%0a%3c%2fMerchant%3e%0d%0a%3cTransactionBase%3e%0d%0a%3cTransactionID%3ed22f7bd8-
3131-45f7-be8a-
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Referencel%3ePO+123456%3c%2fReferencel%3e%0d%0a%3cAmount%3e19.99%3c%2fAmount%3e%0d%0a%3cCustomer
Type%3eBusiness%3c%2fCustomerType%3e%0d%0a%3c%2fTransactionBase%3e%0d%0a%3cCustomer%3e%0d%0a%3cN
ame%3e%0d%0a%3cFirstName%3eJohn%3c%2fFirstName%3e%0d%0a%3cMI%3eA%3c%2fMI%3e%0d%0a%3cLastName%3eD
oe%3c%2fLastName%3e%0d%0a%3c%2fName%3e%0d%0a%3cAddress%3e%0d%0a%3cAddressLine1%3e12345+Street%3c
%2fAddressLine1%3e%0d%0a%3cAddressLine2%3eApt+%232%3c%2fAddressLine2%3e%0d%0a%3cCity%3eSome+City
%3c%2fCity%3e%0d%0a%3cState%3eSome+State%3c%2fState%3e%0d%0a%3cZipCode%3e12345%3c%2fZipCode%3e%0
d%0a%3cCountry%3eSome+Country%3c%2fCountry%3e%0d%0a%3cEmailAddress%3ejohn.doe%40domain.com%3c%2f
EmailAddress%3e%0d%0a%3cTelephone%3e1234567891%3c%2fTelephone%3e%0d%0a%3cFax%3e1234567890%3c%2fF
ax%3e%0d%0a%3c%2fAddress%3e%0d%0a%3cCompany%3e%0d%0a%3cName%3eJohn%27s+Company%3c%2fName%3e%0d%0
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pt+%232%3c%2fAddressLine2%3e%0d%0a%3cCity%3eSome+City%3c%2fCity%3e%0d%0a%3cState%3eSome+State%3c
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3eSome+State%3c%2fState%3e%0d%0a%3cZipCode%3e12345%3c%2fZipCode%3e%0d%0a%3cCountry%3eSome+Count
ry%3c%2fCountry%3e%0d%0a%3cEmailAddress%3ejohn.doe%40domain.com%3c%2fEmailAddress%3e%0d%0a%3cTele
phone%3e1234567891%3c%2fTelephone%3e%0d%0a%3cFax%3e1234567890%3c%2fFax%3e%0d%0a%3c%2fAddress%3e%
0d%0a%3cCompany%3e%0d%0a%3cName%3eJohn%27s+Company%3c%2fName%3e%0d%0a%3cAddress%3e%0d%0a%3cAddre
ssLine1%3e12345+Street%3c%2fAddressLine1%3e%0d%0a%3cAddressLine2%3eApt+%232%3c%2fAddressLine2%3e
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hn.doe%40domain.com%3c%2fEmailAddress%3e%0d%0a%3cTelephone%3e1234567891%3c%2fTelephone%3e%0d%0a%
3cFax%3e1234567890%3c%2fFax%3e%0d%0a%3c%2fAddress%3e%0d%0a%3c%2fCompany%3e%0d%0a%3c%2fShippingRe
cipient%3e%0d%0a%3c%2fPaymentType%3e%0d%0a%3c%2fPayments%3e%0d%0a%3c%2fRequest_v1%3e
```

Field definitions

Name	Data Type	Description
Request	String	The URL encoded SEVD XML request message.

Response message body

The following is the response message body.

```
<?xml version="1.0" encoding="utf-8"?><Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"> <Token>e911c9ed-7c12-4a5c-b362-
e6b54630f290</Token>
<Data>eqWCPSYnftx0eH909jACY0XSbC8AXRm2RKMCYmLLB4rsFOo88jtLCckdjsxaYE+7WUsfN1rn90FRErPSDJG4L8Yj
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M+76ZAt+SGo4nvt5/gcUo1JHInzhbUu0VKYR0e1SGTK/zvjc6A9dlC5DU9ciDcKeDuJ87m0m7f0Qaso16L/AXh0s5am9M4i
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sfIwNISunUWbn0XazUTlCAAmtWxjxbGg8NAST2MV/7Y9i9nRnMHAS7ONopZTnNR01ofBdxIahq12RWz5zVnkvqog4G1k76E
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moW/H3WquqPpUMLLwNFhZgt/s0GFQx+zPLXqrs7L5JPKjiUeUNPRKSmwTdyZ1zkZvCQvUrmzHPrwe2BoE6AwJCQD44JHT
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tQ82aUA9Vi4ztcrxwGvd5NsyFaHirXWpBBFzcgG312+vIuu7sUapLo0S/paGPlrdZte0NxCQoQUOQR7QqCuztFWUgqr7XJf
b1HeTtuHiP2mvrPp1WbXhoVF9dJJDitTo6aSFJ0aBPkJonfFJSeHuHTOzuyCTXlHs7u5Gml+nwunhbFhmmIPGzg5TL40QR
2LuRxlPb0Ev7wcD3MjmcKQqY+anx+ep6JCxCQBLeqgsZGV5ZmMhYtclNfAQEdDk0YQ+NQpwZ01vk2KzsC7SP2b7NwpTKHiP
5CfmgKbpsC9pBCX/I853bKlL38ZEKIIRRXq/k0hnIgv0130HGInkiaolKabqdzjxq3R1icRNT51AcH7D/2xvvgViuQyxK46
7m6JeRpDr0BG0c9nBFBU08Lx1Ochap97TJsefKbElilASmR46vI4kW9fcczVMJkAUKhAbGhljj2hvnSonjt1LABZsTEvozF1
GaaCdLGXiDDat19x2dNrcZrgqcBoIIsVqE+XtHmkShT9Zps/jH4K9vdy1oVLAFjc2GngaPef0UpualpH+FnrD0/IYnN5H3M
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ul+4J58obOS5xoLitZJpTFaGPvRzHQecsK+SxarZ/+G09K/uYwmEncC+lyZVqrduh/+cqMQb9Ue7ifd5rMBF+MANa7MWx5
1TfOi6yzY4dceN1UDVCj0DplounQKGfHFiW8SQ0znukqSw3BkZxft/kDTRXssh/IciPipqlwF3dbtYebaAW0311mEV0eXlI
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TCX+ZjQAcN6bOS/ndNRANRK3ObDxRlp7uZkKxdtj8RVx/Tu/KbjsEe+QTTolAv6gL2AJyakfE0jsrHrO/IUdlCR4fA6cZcC
Ryif6LWCJ2aV00JS0eZFCv5dqAz+AdGHLGhor2h5lgieCjPQoTLsHjE4DyLrAyMGvUpWNf7LxTFpOX2JNnbgcndEKB4bpt1
Dmu944C4oXKNp1YUmejb/7Go2a9T1CE9QV7nbvS4xLRSXj5r18EJGf1E3vsSzuQLHH5Uli+okRDbmQGgpt7K61dn6YyxxFH
MCex2v4S0ze4zkRrP7SKqmtBBGsqkyq2f+InfPn7EU96ZBRZ77glnp9zfKLdkeiTYquF8K18Jx5ocp7v/JqQ0XI5AqA9J
KUfLjBHwrU/kwFBWqmcyoivGk+gZROPDZ1tVq6E/8ACUK+giEHbsOk92rIat0p8Xkd68IUvElUKmkywV8TQ3hT5S2ITG0xe
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S3ZMBZS2MLz/dPkamS62HBhuJPiarMas+OYeCt2tHASDuU2yFA8av/cFxCbsblXbxje9u3Vw==</Data></Envelope>
```

Field definitions

Name	Data Type	Description
Token	String	The encryption key. Use this later to decrypt the response message.
Data	String	The encrypted XML message

SEVD Request HTML Form

This form is rendered to the end user's web browser from your web site. Below is a sample request HTML form.

```
<html>
<head>
</head>
<body>
<form action="https://www.sageexchange.com/virtualpaymentterminal/frmpayment.aspx"
method="POST">
<input type="hidden" name="request" value="&lt;?xml version='1.0' encoding='utf-
8'>&lt;Envelope xmlns:xsi='http://www.w3.org/2001/XMLSchema-instance'
xmlns:xsd='http://www.w3.org/2001/XMLSchema'>&lt;Token&gt;e911c9ed-7c12-4a5c-
b362-e6b54630f290&lt;/Token&gt;
&lt;Data&gt;eqWCPsYnftx0eH909jACY0XSbC8AXRM2RKMCMYmLLBr4rsFOo88jtLCckdjsxaYE+7WUsfN1rn90FRERPsdJG
4L8YjE8/VWYpglsYxO6Fm6L2GwUNLEhj36J0DNjI07CoZ1/fkowZxtW1NjFB3xL6o8x0z446PS4vQwIgN8vEhUwElpW0pkr
bHyWSCm+OJnwiv/sZmnMLdIZDzj61A0v7KMJ2CYAQqfPyDT6+h7T0Yv1LedI42Q67b0yeNTMzYUcKtsY0fB/mSi37/Oai5MO
etMM+76ZAt+SGo4nVt5/gcUo1JHInzhbUu0VKYR0e1SGtK/zvJC6A9d1C5DU9ciDcKeDuj87m0m7f0QasoI6L/AXh0s5am9M
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lPpDZ9WHMLrg0nhxEps3S5xG63zTBhMMzRK7C9PYaUTnDX1RwY2LTVJ18x7PFq86znalsj6MqedHsYS3ZLWw6yGHOxDltFGO
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Mx1AuUM75dI5LFAS8TgBxTQHb+P1EYUj1NOiV1QIPRvHLq87Q8xkNaQj/JtDs3qxyFRdoEEq2B9eKXeAjdA9MrbDaDmTfM7
fbWclKkzMuHbGHiwGY/8VwP4jHkY05zOBneHz8+LBNAjAIF/8TtnTh81d2r3nqTivJXBIX9Fivf16blovnGFG+PCXNZP9Kx
Zh4INBzwn62f/+9J79wAGlP9xPCTjIqY/ld+5IBNruGpbSdXNRLy5da00FkokuKoJrBA5V0fT5vsf/zR88jgiKs+9eh8Gpq/
xiIZsLplPxMTmzwxlTq8jDGSvDQ827drCFOB0E2F7Y9iPgmXP+EBVevIy7gx8PvjrpqPzeBs2Yq/5fU5bjJahlFzZnv5XeaO
+3VhvLs4sQaGeBTRTEw4kOB9W++oZiWzJx5x/oY4ii05Z6wW+btFUH7NxyxwgTlwRGbhiBy0xc2hYmXFKciLlFfs+DKm7gz
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ilMMrKA8BVx8t+ZfWQ/Lr0SnEROXxQJ9ClnNsKkgWJbw9dG/6JPRvXzCNkuU06eJbjsVUwpUGF2tSfGm4zUKSd6ug85g7pmV
OkJQtcf3ixmZ2WJnv01IeWtssR3xgLhZr/HRWgmIVMuOGAD89/Q65jrNeFkkKbcnCXeUz6OmGdtUF0Z4r/hjKkAH8dbotmF
Mp26yFbZyhJfTk/0d97R64qxZ06Ye9NF4Y6Td9DP9tiK7s197F0qyfrdwRphTKVL4m7dIbQjXwP3aD25GfsfIwNISunUWBN0
XazUT1CAAmtWxjxbGg8NAST2MV/7Y9i9nRnMHAS7ONopZTnNR0lofBdxIahq12RWz5zVnkvqog4G1k76EZXLcJUHYYtckpzU
qVLkyHJbDluEXIJPZpU4eABMo9eQ3Rqey9sOFCJ6uF2+5USsbjhd0IhhM2tikZpQM6DAKS/v3bGeVXkymoW/H3WquqPpUMLL
weNFhZgT/s0GFQx+zPLXqrs7L5JPKjiUeUNPRKSmwTdyZ1zkZvCQvuRrmzHPRwe2BoE6AwJCQD44JHtnF00IqGiDxv7P+Azu
GQoqe/SDh+KBw0rNVGR3grXuOTP/36juwaKzdipx+7ihNKzFrpUw+1Xf0wIPZJERQEuDUY6tzcGfNOTQ82aUA9Vi4ztcxrwG
Vd5NsyFaHirXwPBbfZcgG312+vIuu7sUapLo0S/paGPlrdZte0NxCOqUoQOR7QqCuztfWUgqr7XJfb1HeTtuHiP2mvrPp1Wb
XhoF9dJJDitTo6aSFJ0aBPKjOnffDJSeHUt0ZuyCTXlhs7u5Gml+nwnhbfHhmmIPGzq5TL40QR2LuRxlP0E0Ev7wcd3Mjmc
kQqY+anx+ep6JCxQCBLeqqsZGV5ZmMhYtc1NfAQEdk0YQ+NQpwZ01vk2Kzsc7SP2b7NwpTKHiP5CfmgkKhpsC9pBCX/I853
bkL138ZEkiIRRXq/k0hnIgv013OHgInkiaolKabqdzjxq3R1icRNt51AcH7D/2xvgViuQyxK467m6JeRPrDr0BG0c9nBFBu08
Lxl0hap97TJsefKbElilASmR46vI4k9fcccZcVMJkAUkHAbGhljj2hvnSonjT1ABZsTEvozF1GaaCdLGXiDDat19x2dNrcZr
ggcBoIIsVqe+XtHmkShT9Zps/jH4K9vdyl0VLAfjc2GngaPef0UpualpH+FnrD0/IYn5H3M49JVEuAuA0qat4h6Y22b1p6W
4jF/cIPOajEOXV/Nio8lg4u5Vp3mAHGq8CV12cVvNHge2OKZsg5XolbPdAqYLjXz4dqJWI1RDl0jYHn17NITFlto4YQ84iNZ
nOnJ21rv4zGnJ3Jtdo9i+HiMbc3LkLoxqRPLp1lpk7DAsdkBIQGbwh06Z+D88X0JxA6svul+4J58obOS5xoLitZJpTFaGPv
RzHQecsK+SxarZ/+G09K/uYWmEncC+lyZVqrduh/+cQOMQb9Ue7ifd5rMBF+ManA7MWx51Tf0i6yzY4dceN1UDVCj0Dploun
QKGFHF1W8SQ0znukqSw3BkZxft/kDTRXssh/IciPipqlwF3dbtYebaAW031lMEV0eX1IeH4+G3wVQzSj/Gnb52YtYksM7Jq3
AX0hr8YBlfJllyNblUmnGoXcPimjpfQDopreBt11lhgJsaNMCLb1mMaBelA8KOSeI+4fBa9kU+JYXRcBk1/F4G070hp6rD
pFU5aao7tpidmw1N07jQ733EizqZfDMHnEbAduYF/Mkq/y+urCUAJoVaehgxxK0DHQTCX+ZJQAcN6BOS/nDNranRK3ObDxRI
```

```
p7uZkKxdtj8RVx/Tu/KbjsEe+QTtOlAv6gL2AJyakfE0jsrHrO/IUdlCR4fA6czcCRyif6LWCJ2aV00JsOeZFCv5dqAz+AdG
HLGhoR2h5lgieCjPQoTLsHjE4DyLrAyMGvUpWNf7LxTFpOX2JNnbgcndEKB4bptlDmu944C4oXKNp1YUmejb/7Go2a9TlCE9
QV7nbvS4xLRSXj5r18EJGf1E3vsSZuQLHH5Uli+okRDbMQggpt7K61dN6YyxxFHMCEX2vfS40ze4zkKRP7SKqMtBBGsqkyq2
f+InfPn7EU96ZBRZ77glnp9zlfKLDkeiTYquF8KI8Jx5ocp7v/JqQ0XI5AqAaJKUfLjBHwrU/kWfBWqmcyoivGk+gZROPDZ1
tvQ6E/8ACUK+giEHbsOk92rIatOp8Xkd68IUve1UKmkywV8TQ3hT5S2ITG0xey+RKJdegT7Ac/Ry3EzyLlTg52MBF4SZyUC+
A8oynFMxpdwDjpe+C8S07/Mwr8PanVEJc9mGD1cIiJxRacBVhxf+d087TxDIoJ5VCx+4m02rECCiLHElhOziy/sMloivM67g
CBs1A2dC0WUaBbfmpPJhLPfnSx6tLBxX8mZpJ5AxZPSBG/Go8PQPCsA0do88rmUnfME5CLEW0TRWUbrRHGaoHLX2/6JBRKjN
GTribJ8J45X1PEJp+PolPmCmUng6Vo9PiaolyFNH2CpHltGOCUV0lxyP0PS3ZMBJS2MLz/dPkamS62HBhuJPiarMas+OYeCt
2tHAsDuU2yFA8av/cFxCsbslXbxje9u3Vw==&lt;/Data>&lt;/Envelope>" />
<input type="hidden" name="redirect_url" value="https://www.mysite.com/sevdresponsehandler" />
<input type="hidden" name="consumer_initiated" value="true" />
</form>
</body>
</html>
```

Field definitions

Name	Data Type	Description
Request	String	HTML encoded encrypted XML request envelope message.
Redirect_url	String	The URL to which you want to POST the encrypted XML response message.
Consumer_initiated	Boolean	Indicates the target audience as a customer and not a merchant.

SEVD Response

The data below is POSTed to the redirect URL you provided in the SEVD request HTML form. Look up your user state information using the SEVD response envelope token when you receive the response from SEVD. If you find a match, continue to process the results. To prevent replay issues you should update your user state to indicate the response has been received.

Response message body

The following is the response message body.

```
response=%3c%3fxml+version%3d%221.0%22+encoding%3d%22utf-
8%22%3f%3e%3cEnvelope+xmlns%3axsi%3d%22http%3a%2f%2fwww.w3.org%2f2001%2fXMLSchema-
instance%22+xmlns%3axsd%3d%22http%3a%2f%2fwww.w3.org%2f2001%2fXMLSchema%22%3e%3cToken%3ee911c9e
d-7c12-4a5c-b362-
e6b54630f290%3c%2fToken%3e%3cData%3eZ0eOkqnJiWtA2PwCEqRt7Sn%2f2R5iB4gnerDKcsE%2fwqa3%2f%2bJDSjo
XK7%2bzMrGfGKmCwLAu9p5zg%2bue%2ftYvk71HYm%2fNwsXE4RH7gn0apehT77QCOI3L4kr4WeXvatPz8tn4iqS3G04j18
6Hexk2wo8z3XF2DeqvxoE4%2fXKq3ttoFbSDzT%2f5SPk0c972TAhhextyiB2hU5nsB7M1B1NbJYV1Zsk05mxqwsM%2b6X9
aPvfpg%2fYfwXVQ6lw6hFjMvwStJpYpFIqmMKQ6jKn4OCafZHz9BuFXkBC7fy0vH0t%2b%2bVqRqMunFTkxyr1T%2bB4EiA
p%2bvZafX7T3R10J60%2ft%2bASK5ofPqVV3vVmtFaMtGqpnk%2fKcXEr30nMmelEUd1j%2ffl97081C5K5YdJRvwPhbQt%
2bicqwan1YqlhSEnFBzJnI50w219L1QLJQRUFd9%2fv%2fFy7AOFAADtiAB3svdT8YdMuleBHo1XVNWLUxcZ%2b9B0GJQ1c
HMoWlVbYgmf3i4tv7pqTO28WA6R6YKXw%2bugDgl%2b8Z2VUq7Vh7tsOKFM2xIoakSOEw40He79ja6AFBu0ojnxmSXBiiB%
2fRiWulrvDySiVzisLSHIXHdZJpnaQnpq%2bFbxGaS8C17L%2fmy7kKJj400EyzgW8pMfVa9LauZPOg8kgFwpgvQJz6y4h2
rs0nKWyqQVyxEOHj6Wr5svBhNiTxGwDPya8fmktSAv4LFjRfJSFXQji37eOMfc4cPGGFBmxTFgwXkC5PO%2bHIFmyZFipN0
ojMOWlbHY%2fdVvFz%2by%2bKN538XxNYUj%2baSb%2bfi7MbWb0i7FGFssSwCOWCsN%2bnHbGNLZVTuNmLoo99KYCq5Ui
3GDeDuKuTUtX9GCFM7S7z1SuVQXlZKZLxFvssppihZX%2f0%2fSeGvrvndCokHe%2f6BjPXRb%2bmtN6%2f8f1CjCU6X%2b
gt4v5V8Lj7j6b4quVhF7nUs3tu0omM%2faxPI%2fF3oipux8%2b6T%2f94t9xSQY7uFS8I4%2fnd1ajPo8%2bJuxskqZvs9K
iny5XufqTWLYKQvrd200zrwTU63ONF2bJQZ9gMUCMGRvEvRsJG%2bMFY%2fufGWWETQ8%2fzrVmDmMjx57c4WVkbkg88%2fg
```



```
VIYNhiT3SBDZAojf1GG4%2feRLzsECuEdXvQB4%2fNzkuqDKopiQnUNqIh7qqYhWbm6GzjzwTWYGZtFYXssZorgJr69nXmW
VkoJ529RbgxpT7HiQtYeu7%2f2mEI%2f%2bGyNeTRrbIWOC4gNbRqKQYvZfLmOp%2flu66MABE545gjXIsma%2bZIS9VM%
2fIZ2y09RC07eUPKyo8Pd2n2N8bmZsOOIkV8A2RVDICXAQSSsZ1BuBXuFaCPP0jt2JGNssN8t5%2fv5p8YpeJXSD1NPUYAU
EPOQxaXsXr1lQzIoZFF8aASJUe3H9tghRXh4Vquh1c2m89A%2bCNjJSfayXtsTp6dgpqktUCoRwXzsslyOy3BeGUHKXpuKFu
RIiBpoYZTJB9thA6D4LdkRfHVDCb1lGTAYOj2URfTJQnJv2C7G7wsEl6mk9mHMIdemLwiGQyVwrXuk5%2b7zC7p5Q3h3VRE
6eJZ%2fe7hdpV%2fBAd8U5qZHEMFc3bBhhrl4LHm0oIgzITqpL2s9cGeXAXa%2b0VEAPSaGf21NlunYp2DPFo9HsncKbOVQ
n39sdCOA0xuRzWnjN668KV7pRgEIJG16uumFQnRs8HTwn0Vwb7n%2bfNFKz75kXLMGvDcdowC66XguNKBzr7ZcOie2iN8Uw
xnprZYoiMkmdpc1%2bAPes33wLmAfFK9q7uhBzhf4A0Yzg39S0YF4ds3XDQl%2bspq71FzsDu2gCtRyumFoLdjH4FE754mL
RaXMMoZQLvKAWe%2bYxATxk4zXKVnYU8lh397Qt1HWjuvXCTGaEQB0%2fNZENoJyJj78DsCaULDOK1DVJw9j17BbgkNm8dK
mwtJ4yMnkay5WtCedhPOLrFUUL3nJ2F6h1VdtGJFgZamkjc1nzLzi5%2fIhrR88w12Of183yEniZ4SaP9f1AdJKrqIfn22C
rwrAm51g1%2bk1w3SUKYX29IFzpVQHRNetiB76hVQLrXerW2zOCe1FdnGbia2GT16m3rv9pka%2bjpSVwKUCRwvyQDjRwfr
IikWFSzKbfhaH2rWHkQbxtmoP1fhMAQMw1bjQavTLV7gvxsZzc7t6M7x0r%2bzSP4L4Z4QjGVJbwzK0pN99DIC143G6m0yA
BpDirNspBb%2fZB8skR9uI6DYPLU28GizWeCvdnKPJ3Os0GP3OFO0Vr8dqSYLmr1YDZvgPfZ%2bs66%2bLqZ8RaZrqvBqn
zdoWR3KkBB4fF4pO4USfsv3%2b1uYfAUHcusMf3J3p4UFqurwlBfFvG9tRJHP0H28kaLXqOb%2fkzITPRE8JaZprryEvAW
sQcf5sIL28uK7us5G%2fSsfB3VfTwvPfsrTknxlyvEsQr7fiJj666WW%2fMD35kjnIR152zENHUGWExeXY7LysmMMPi%2f1
iK1bC%2fUFvCHKJqr4ozAkYIXPOFYw%3d%3d%3c%2fData%3e%3c%2fEnvelope%3e
```

Field definitions

Name	Data Type	Description
Response	String	URL encoded encrypted XML response envelope.

Implementing Decrypt Message

Use this method to decrypt the SEVD XML response message.

URL

<https://www.sageexchange.com/virtualpaymentterminal/frmopenenvelope.aspx>

Supported HTTP VERBS

POST

Request message body

The following is the request message body.

```
request=%3c%3fxml+version%3d221.0%22+encoding%3d%22utf-
8%22%3f%3e%3cEnvelope+xmlns%3axsi%3d%22http%3a%2f%2fwww.w3.org%2f2001%2fXMLSchema-
instance%22+xmlns%3axsd%3d%22http%3a%2f%2fwww.w3.org%2f2001%2fXMLSchema%22%3e%3cToken%3ee911c9e
d-7c12-4a5c-b362-
e6b54630f290%3c%2fToken%3e%3cData%3eZ0eOkqnJiWtA2PwCEqRt7Sn%2f2R5iB4gneRDKcsE%2fwqa3%2f%2bJDSjo
XK7%2bzMrGfqKmcwLau9p5zg%2bue%2ftYvk71HYm%2fNwsXE4RH7gn0apehT77QCOI3L4kr4WeXvatPz8tn4iqs3G04j18
6Hexk2wo8z3XF2DeqvxoE4%2fXKq3ttoFbSDzT%2f5SPk0c972TAhhextyiB2hU5nsB7M1B1NbJYV1Zsk05mxqwsM%2b6X9
aPvpfpg%2fYfwXVQ6lw6hfjMvwStJpYpFIqmMKQ6jKn4OCafZH9BuFXkBC7fy0vH0t%2b%2bVqRqMunFTkxyRlT%2bB4EiA
p%2bvZafX7T3R10J60%2ft%2bASK5ofPqVV3vVmtFaMtGqpnk%2fKcXEr30nMmelEud1j%2fF197081C5K5YdJRwvPhbQt%
2bicqWAnlyQlhSEnFBzJnI50w219LlQLJQRufd9%2fv%2fFY7AOfaaDtIAB3svdT8YdMuleBHo1XVNWUxcZ%2b9B0GJQ1c
HMoWlvBYGmf3i4tv7pqT028WA6R6YKXw%2bugDgl%2b8Z2VUq7Vh7tsOKFM2xIoAKSOEw40He79ja6AFBu0ojnxmSXBiiB%
2fRiWulrvDySiVzisLSHIXHdZJpnaQnpq%2bFbxGaS8C17L%2fmy7kKj400EyzgW8pMfVa9LauZPOg8kgFwpgvQJz6y4h2
rs0nKWyqQVyxEoHj6Wr5svBhNiTxGwDPya8fmktSAv4LfjRfJSFXQji37e0Mfc4cPGGFbmxTFqWxkC5P0%2bHIFmyZFipN0
ojM0WlbHY%2fDvFz%2by%2bKN538XnYUjF%2f2baSb%2bf17MbWb0i7FGFssSwCOWCSn%2bnHbGNLZVTuNmLoo99KYcq5Ui
3GDeDYkUTutx9GCFM7S7z1SuVQXlZKZLxFvssppihZX%2f0%2fSeGvrvndCokHe%2f6BjPxrB%2bmtN6%2f8f1CjCU6X%2b
gT4v5V8LJj6b4quVhF7nUs3tu0omM%2faxPI%2fF3oipux8%2b6T%2f94t9xSQy7uFS8I4%2fnd1aJpO8%2bJuxskqZvs9K
iny5XufqTWLYKQvrd200zrwT063ONF2bJQZ9gMUCMGRvEvCsJG%2bMFY%2fufGWWETQ8%2fzrVmDMmjx57c4WVkbq88%2fg
VIYNhiT3SBDZAojf1GG4%2feRLzsECuEdXvQB4%2fNzkuqDKopiQnUNqIh7qqYhWbm6GzjzwTWYGZtFYXssZorgJr69nXmW
```

```
VkoJ529Rbgxpt7HiQtYeu7%2f2mEI%2f%2bGyNeTRrBIWoC4gNbRqKQYvZfLmOp%2flu66MABE545gjXismka%2bZIS9VM%
2fIZ2y09RC07eUPKyo8Pd2n2N8bmZs00IkV8A2RVDICXAQSSsZlBuBXuFaCPP0jt2JGNssN8t5%2fv5p8YpeJXSDlNPUyAU
EPOQxaXsXr1lQzIoZFF8aASJUe3H9tghRXh4Vquhlc2m89A%2bCNjJSfayXtsTp6dgpqktUCoRwXzslY0y3BeGUHKXpuKFu
RIiBpoYZTJB9thA6D4LdkRfHVDcb1lGTAY0j2URfTJQnJv2C7G7wsE16mk9mHMIdemLwiGQyVwrXuk5%2b7zc7p5Q3h3VRE
6eJZ%2fe7hdpV%2fBAd8U5qZHEMfc3bBhrl4LHm0oIgzITqpL2s9cGeXAXa%2b0VEAPSaGf2lNlunYp2DPFo9HsnckbOVQ
n39sdCOA0xuRzWnjN668KV7pRgeIJG16uumFQnRs8HTwn0Vwb7n%2bfNFKz75kXLMGvDcdowC66XguNKbZr7ZcOie2iN8Uw
xnprZYoiMkmdpc1%2bAPes33wLmAfFK9q7uhBzhf4A0Yzg39S0YF4ds3XDQ1%2bSPg71FzsDu2gCtRyumFoLdjh4FE754mL
RaXMMoZQLvKAWe%2bYxATxk4zXKVnYU8lh397Qt1HWjuvXCTGaEQB0%2fNZENoJyJj78DsCaULDOKlDVJw9j17BbgkNm8dK
mwtJ4yMnkay5WtCedhPOLrFUUL3nJ2F6h1VdtGJFgZamkjc1nzLzi5%2fIhrR88w12Of183yEniz4SaP9f1AdJKrqIfn22C
rwrAm51g1%2bklw3SUKYX29IFzpVQHRNetiB76hVQLrXerW2zOCe1FdnGbia2GT16m3rv9pka%2bjpSVwKUCRwvyQDjRwfr
IikWFSzKbfhaH2rWHKQbxtmoP1fhMAQMwlbjQavTLV7gvxsZzc7t6M7x0r%2bzSP4L4Z4QjGVJbwzK0pN99DIC143G6m0yA
BpDirNspBb%2fZB8skR9uI6DYPLU28bGizWeCvdkKPJ30s0GP30F00Vr8dqSYLmr1YDZvgPfz%2bs66%2bLqZ8RaZrqbBq
zdoWR3Kkbb4ff4p04USfsv3%2biluYfAUHcusMf3J3p4UFqurwlBfFvG9tRJHP0H28kaLXqOb%2fkzItPre8JaZprryEvAW
sQcf5sIL28uK7us5G%2fSsfB3VfTwvPfsrTknxlyvEsQr7fIj666WW%2fMD35kjnIR152zENHUGWExeXY7LysmMMPi%2f1
iKIBc%2fUFvCHKJqr4ozAkYIXPOFYw%3d%3d%3c%2fData%3e%3c%2fEnvelope%3e
```

Field definitions

Name	Data Type	Description
Request	String	The URL encoded encrypted SEVD XML response message

Response message body

The following is the response message body.

```
<?xml version="1.0" encoding="utf-16"?>
<Response_v1 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <PaymentResponses>
    <PaymentResponseType>
      <Response>
        <ResponseIndicator>A</ResponseIndicator>
        <ResponseCode>123456</ResponseCode>
        <ResponseMessage>APPROVED 123456</ResponseMessage>
      </Response>
    <TransactionResponse>
      <AuthCode>123456</AuthCode>
      <AVSResult />
      <CVVResult>P</CVVResult>
      <VANReference>ECHCH7e9w0</VANReference>
      <TransactionID>d22f7bd8-3131-45f7-be8a-631cae2ef6cc</TransactionID>
      <Last4>XXXXXXXXXXXX1111</Last4>
      <PaymentDescription>411111XXXXXXXX1111</PaymentDescription>
      <Amount>19.99</Amount>
      <PaymentTypeID>4</PaymentTypeID>
      <Reference1>PO 123456</Reference1>
      <TransactionDate>12/17/2012 5:07:39 PM</TransactionDate>
      <EntryMode>K</EntryMode>
      <TaxAmount>0</TaxAmount>
      <ShippingAmount>0</ShippingAmount>
      <TransactionPaymentType>CREDITCARD</TransactionPaymentType>
    </TransactionResponse>
  <Customer>
    <Name>
      <FirstName>John A Doe</FirstName>
      <MI />
      <LastName />
    </Name>
  </Customer>
</Response_v1>
```

```
<Address>
  <AddressLine1>12345 Street</AddressLine1>
  <AddressLine2>Apt #2</AddressLine2>
  <City>Some City</City>
  <State>AL</State>
  <ZipCode>12345</ZipCode>
  <Country>US</Country>
  <EmailAddress>john.doe@domain.com</EmailAddress>
  <Telephone>1234567891</Telephone>
  <Fax>1234567890</Fax>
</Address>
<Company>
  <Address />
</Company>
</Customer>
</PaymentResponseType>
</PaymentResponses>
</Response_v1>
```