



Visma Enterprise
Webservice Voucher

Webservice - Voucher

Table of Contents

- [Table of Contents](#)
- [Attachments](#)
- [Installation guide](#)
 - [User specifications](#)
 - [Internal integration setup](#)
- [Technical documentation](#)
 - [Version log](#)
 - [General information](#)
 - [Root uri](#)
 - [Available resources](#)
 - 1) Import new voucher
 - [Content-Type](#)
 - [XML sample](#)
 - [VUXML -> vouchers](#)
 - [VUXML -> vouchers -> voucher](#)
 - [VUXML -> vouchers -> voucher -> errorMessages](#)
 - [VUXML -> vouchers -> voucher -> transaction](#)
 - [VUXML -> vouchers -> voucher -> transaction -> currency](#)
 - [VUXML -> vouchers -> voucher -> invoice](#)
 - [VUXML -> vouchers -> voucher -> invoice -> csPostalAddress](#)
 - [VUXML -> vouchers -> voucher -> invoice -> bankInformation](#)
 - [VUXML -> vouchers -> voucher -> invoice -> payerReceiver](#)
 - [VUXML -> vouchers -> voucher -> invoice -> payerReceiver -> csPostalAddress](#)
 - [VUXML -> vouchers -> voucher -> invoice -> payerReceiver -> prBankInformation](#)
 - [VUXML -> vouchers -> voucher -> textLines](#)
 - [VUXML -> vouchers -> voucher -> attachments](#)
 - [VUXML -> vouchers -> voucher -> attachments → attachment](#)
 - [VUXML -> vouchers -> errorMessages](#)
- [Examples](#)
- [Error messages](#)

Attachments

VUacctrans_v1p5.xsd

Installation guide

User specifications

Authorization on dimensions (Fullmakt)	ALLE or <accounts used for this specific voucher import>
Access Webservice	Økonomi: Import av bilag
Access Modules	Økonomi: INSERT

* If this webservice is used from a system for debt collection, we recommend using the same user as the webservice for Debt Collection

Internal integration setup

This webservice does not require any internal integration setup.

Technical documentation

Version log

Date	Document version	Webservice version	Comment
2013-04-11	1.0	erp_ws 2013.1 -->	Initial version
2016-10-11	1.1	erp_ws 2016.2 -->	Corrected errors, minor updates
2019-05-10	1.2	erp_ws 2019.1 -->	Extended with functionality for importing attachments
2021-06-01	1.3	erp_ws 2019.1 -->	Corrected documentation regarding externalId

General information

This service accepts vouchers from 3rd party systems. Note that a minimum voucher should have at least two transactions, and the sum of all transactions within a voucher should always be 0.00.

When including attachments, it is important that the attachments are encoded as base64 binary.

Root uri

`http://<host>:<port>/<context>/secure/bilag/`

I.e. `http://visma-webservice:8090/erp_ws/secure/bilag/`

Available resources

The following overview of resources only contains the relative path and should hence always be prefixed with the Root URI.

1) Import new voucher

POST /

Content-Type

Expects Content-Type to be set as "text/xml". From the 2013 release, "application/xml" will also be accepted. Returns a 415 if another Content-Type is set

XML sample

Request XML

```
<VUXML xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xsi:
noNamespaceSchemaLocation="VUacctrans_v1p5.xsd" MessageOwner="VismaEnterprise" MessageType="Vouchers"
MessageVersion="1.4">
  <vouchers approveVoucher="true" updateVoucher="false">
    <voucher company="1" division="0" year="2020">
      <voucherType>1</voucherType>
      <period>10</period>
      <voucherDate>2020-10-10</voucherDate>
      <responsible>KMH</responsible>
      <accountant>KMH</accountant>
      <transaction>
        <account>1481</account>
        <dimension2>420</dimension2>
        <dimension3>2900</dimension3>
        <voucherText>Familia 8/52-2020-6</voucherText>
        <baseAmount>166.09</baseAmount>
      </transaction>
      <transaction>
        <account>2101010</account>
        <voucherText>F-Motpost Familia 8/52-2020-6</voucherText>
        <baseAmount>-166.09</baseAmount>
      </transaction>
    </voucher>
    <taxCode>10</taxCode>
  </vouchers>
  <attachments>
    <attachment fileName="bilag.pdf" fileType="pdf" mimeType="application/pdf"
description="Bilagsdokumentasjon">
      <content>
        JVBERi0xLjQKJeLjz9MKMyAwIG9iago8PC9GaWx0ZXIvRm9hdGEZWNvZGUvTGluZ3R0IDgwNz4+c3RyZWftCniclZbLutswFIb3fgot6UxRdbVl
        dmS4dNrQUOLp3jRKJjcnYIbn6cvxDl32yHZKkI9Jwgzgkb9f+vUfyRIjnJxzwOhONfz9vY6eokEWyZhonZJsEjF4zcXuifm
        HLZeC+KZpdEY+ZQt4UTdLlIjTNwwfMcM5qt8Vq7mZWxJMi9Lu9luZ4u
        /jggvPm9kTQ9GUin7hjlVx7PWTML9w3UW/QTP/leQb9B+C88wAz8nBp0ThmilSbbet5TZsmqG38egb8D0Ro29cpJXmwsIGGWCCsZniAte49
        /9lJx1F2R0NySjLSV3G1fZg
      </content>
    </attachment>
    <attachment fileName="bilag:2.pdf" fileType="pdf" mimeType="application/pdf" description="
Bilagsdokumentasjon - 2">
      <content>
        JVBERi0xLjQKJeLjz9MKMyAwIG9iago8PC9GaWx0ZXIvRm9hdGEZWNvZGUvTGluZ3R0IDgwNz4+c3RyZWftCniclZbLutswFIb3fgot6UxRdbVl
        dmS4dNrQUOLp3jRKJjcnYIbn6cvxDl32yHZKkI9Jwgzgkb9f+vUfyRIjnJxzwOhONfz9vY6eokEWyZhonZJsEjF4zcXuifm
        HLZeC+KZpdEY+ZQt4UTdLlIjTNwwfMcM5qt8Vq7mZWxJMi9Lu9luZ4u
        /jggvPm9kTQ9GUin7hjlVx7PWTML9w3UW/QTP/leQb9B+C88wAz8nBp0ThmilSbbet5TZsmqG38egb8D0Ro29cpJXmwsIGGWCCsZniAte49
        /9lJx1F2R0NySjLSV3G1fZg
      </content>
    </attachment>
  </attachments>
</vouchers>
</VUXML>
```

Response XML

```
<VUXML xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xsi:
noNamespaceSchemaLocation="VUacctrans_v1p5.xsd" MessageOwner="VismaEnterprise" MessageType="Vouchers"
MessageVersion="1.4">
  <vouchers approveVoucher="true" updateVoucher="false">
    <voucher company="1" division="0" errorFlag="OK" voucherNo="1001014" year="2020">
      <voucherType>1</voucherType>
      <period>8</period>
      <voucherDate>2020-11-18</voucherDate>
      <responsible>KMH</responsible>
      <accountant>KMH</accountant>
      <transaction>
        <account>1481</account>
        <dimension2>420</dimension2>
        <dimension3>2900</dimension3>
        <voucherText>Familia 8/52-2020-6</voucherText>
        <baseAmount>166.09</baseAmount>
      </transaction>
      <transaction>
        <account>2101010</account>
        <voucherText>F-Motpost Familia 8/52-2020-6</voucherText>
        <baseAmount>-166.09</baseAmount>
      </transaction>
    <attachments>
      <attachment fileName="bilag.pdf" fileType="pdf" mimeType="application/pdf"
description="Test attachment"
>
        <content>
          JVBERi0xLjQKJeLjz9MKMyAwIG9iago8PC9GaWx0ZXIvRmxdGVEZWNVZGUVtGVuZ3RoIDgWZ4+c3RyZWftCniclZbLUTswFIb3fgot6UxRdbVl
          dmS4dNrQUOLp3jRKJjcnYIbn6cvxDl32yHZKKI9Jwgzgkb9f+vUfyRIjnJxzwOh0Nfz9vY6eokEWyZhonZJsEjF4zcXuifm
          HLZeC+KZpdEY+ZQt4UTdLlIjTNwwfMcM5qt8Vq7mZWxJMi9Lu9luZ4u
          /jggvPm9kTQ9GUin7hjlVx7PWTML9w3UW/QTP/leQb9B+C88wAz8nBp0ThmlSbbet5TZsmqG38egb8D0Ro29cpJXmwsIGGCCsZniAte49
          /9lJx1F2R0NySjLSV3G1fZg
        </content>
      </attachment>
      <attachment fileName="bilag:2.pdf" fileType="pdf" mimeType="application/pdf" description="
Bilagsdokumentasjon - 2">
        <content>
          JVBERi0xLjQKJeLjz9MKMyAwIG9iago8PC9GaWx0ZXIvRmxdGVEZWNVZGUVtGVuZ3RoIDgWZ4+c3RyZWftCniclZbLUTswFIb3fgot6UxRdbVl
          dmS4dNrQUOLp3jRKJjcnYIbn6cvxDl32yHZKKI9Jwgzgkb9f+vUfyRIjnJxzwOh0Nfz9vY6eokEWyZhonZJsEjF4zcXuifm
          HLZeC+KZpdEY+ZQt4UTdLlIjTNwwfMcM5qt8Vq7mZWxJMi9Lu9luZ4u
          /jggvPm9kTQ9GUin7hjlVx7PWTML9w3UW/QTP/leQb9B+C88wAz8nBp0ThmlSbbet5TZsmqG38egb8D0Ro29cpJXmwsIGGCCsZniAte49
          /9lJx1F2R0NySjLSV3G1fZg
        </content>
      </attachment>
    </attachments>
  </vouchers>
</VUXML>
```

VUXML -> vouchers

Element name	Description	Occurrences	Type	Content in fields, rules
VUXML	Root level	1		
vouchers	Collection of vouchers	1		
@allowDifference	Allow vouchers where the sum is different than 0.00. This means the vouchers with errors will need to be completed manually in Visma Enterprise Economy	0..1	Boolean	

@allowIllegalAccount	Allow illegal costcentres. This means the vouchers with errors will need to be corrected manually in Visma Enterprise Economy	0..1	Boolean	
@checkCsNo	Validate customer/supplier numbers	0..1	Boolean	
@checkVoucherNo	Validate voucher number	0..1	Boolean	
@checkExternalId	Validate if the external Id already exists in the database in a former voucher within the same year.	0..1	Boolean	
@errorAccount	Use this costcentre for costcentre errors. Lines with errors are changed to this costcentre and will need manual correction	0..1	String	
@errorVoucherType	Voucher type for vouchers with errors. Vouchers with errors will get this voucher type, and will need to be reclassified manually later	0..1	Positive integer	
@accumulateEqualVouchers	Accumulate transactions with the same accounting string	0..1	Boolean	
@approveVoucher	Mark the voucher as ready for posting - as long as no errors are detected in the voucher	0..1	Boolean	
@updateVoucher	If FALSE: only validate data, no import. Default value TRUE	0..1	Boolean	
@errorFlag	Error status from import - legal values: OK, WARNING, ERROR. Error messages are attached to voucher and transaction	0..1	String	
voucher	Voucher	1..*		

VUXML -> vouchers -> voucher

Element name	Description	Occurrences	Type	Content in fields, rules
voucher	Voucher	1..*		
@company	Company	1	Positive integer	
@division	Division	0..1	Positive integer	
@year	Year	0..1	Positive integer	
@externalId	Id or reference from the external system. External Id on voucher level will be updated in voucher heading in Visma Enterprise.	0..1	String	
@voucherNo	Voucher number - normally assigned by Visma Enterprise Economy and returned in the response	0..1	Positive integer	
@errorFlag	Error status from import - legal values: OK, WARNING, ERROR. Error messages are attached to voucher and transaction	0..1	String	
voucherType	Voucher type - allowed values are defined in Visma Enterprise Economy	1	Positive integer	
period	Accounting period - allowed values are defined in Visma Enterprise Economy	1	Positive integer	
voucherDate	Voucher date (YYYY-MM-DD)	1	Date	
responsible	Person responsible for registration - Initials/ID must be defined in Visma Enterprise Economy	1	String	
accountant	Person responsible for accounting - Initials/ID must be defined in Visma Enterprise Economy	0..1	String	
errorMessages	Error messages (response only)	1..*		
transaction	Transactions/voucher lines	1..*		
quantity	Quantity	0..1	Decimal	
invoice	Billing information	0..1		
autogiroRef	Reference autogiro/avtalegiro	0..1	String	
textLines	Invoice text	0..*		
attachments	Attachments	0..*		

VUXML -> vouchers -> voucher -> errorMessages

Element name	Description	Occurences	Type	Content in fields, rules
errorMessages	Error messages (response only)	1..*		
errorMessage	Message explaining a voucher error	0..*	String	

VUXML -> vouchers -> voucher -> transaction

Element name	Description	Occurences	Type	Content in fields, rules
transaction	Transactions/voucher lines	1..*		
@externalId	Id or reference from the external system. External Id on transaction level will only be used in the XML response. The value will not be updated in the voucher lines.	0..1	String	
account	Account - Allowed values are defined in Visma Enterprise Economy	1	String	
dimension2	2nd dimension - allowed values are defined in Visma Enterprise Economy	0..1	String	
dimension3	3rd dimension - allowed values are defined in Visma Enterprise Economy	0..1	String	
dimension4	4th dimension - allowed values are defined in Visma Enterprise Economy	0..1	String	
dimension5	5th dimension - allowed values are defined in Visma Enterprise Economy	0..1	String	
dimension6	6th dimension - allowed values are defined in Visma Enterprise Economy	0..1	String	
dimension7	7th dimension - allowed values are defined in Visma Enterprise Economy	0..1	String	
dimension8	8th dimension - allowed values are defined in Visma Enterprise Economy	0..1	String	
dimension9	9th dimension - allowed values are defined in Visma Enterprise Economy	0..1	String	
dimension10	10th dimension - allowed values are defined in Visma Enterprise Economy	0..1	String	
voucherText	Voucher text	1	String	
baseAmount	Amount in the company's currency	1	Decimal	
currency	Currency	0..1		
taxCode	VAT code - allowed values are defined in Visma Enterprise Economy	0..1	Positive integer	

VUXML -> vouchers -> voucher -> transaction -> currency

Element name	Description	Occurences	Type	Content in fields, rules
currency	Currency	0..1		
@currencyCode	Currency code - ISO 4217	1	String	
@currencyRate	Exchange rate	1	Decimal	
currencyAmount	Currency amount	1	Decimal	

VUXML -> vouchers -> voucher -> invoice

Element name	Description	Occurences	Type	Content in fields, rules
invoice	Invoice information	0..1		
@invoiceNo	Invoice number	1	String	
invoiceDate	Invoice date (YYYY-MM-DD)	0..1	Date	
dueDate	Due date (YYYY-MM-DD)	0..1	Date	
orderNo	Order number	0..1	Positive integer	
KID	KID	0..1	String	

csID	Customer/supplier number	1	Positive integer	
customerSupplier	Customer/supplier information	0..1		
@prId	Customer/supplier number to alternative payer/reciever	0..1	Positive integer	
@temporaryCS	Miscellaneous customer / miscellaneous supplier - TRUE if this invoice should be recorded on a miscellaneous customer/supplier	0..1	Boolean	
csName	Customer/supplier name	1	String	
csAddress	Customer/supplier address	0..5	String	
csPostalAddress	Customer/supplier postal address	0..1		
csEmail	Customer/supplier e-mail address	0..1	String	
csWWW	Customer/supplier internet address	0..1	URI	
ModeOfPayment	Mode of payment - allowed values are defined in Visma Enterprise Economy	0..1	String	
csCurrency	Currency code - ISO 4217	0..1	String	
csBankAccount	Bank account	0..1	String	
csBankInformation	Additional information about foreign banks	0..1		
csOrgNo	Organization number	0..1	String	
csPhone	Phone	0..1	String	
csMobilePhone	Phone	0..1	String	
csFax	Fax	0..1	String	
language	Language code - ISO 639	0..1	String	
payerReceiver	Payer receiver	0..1		

VUXML -> vouchers -> voucher -> invoice -> csPostalAddress

Element name	Description	Occurences	Type	Content in fields, rules
csPostalAddress	Customer/supplier postal address	0..1		
csCountryCode	Country code - ISO 3166-1	0..1	String	
csZipCode	Zip code	1	String	
csCity	City	1	String	

VUXML -> vouchers -> voucher -> invoice -> bankInformation

Element name	Description	Occurences	Type	Content in fields, rules
bankInformation	Additional information about foreign banks	0..1		
bankName	Bank name	1	String	
bankAddress	Bank address	0..4	String	
swiftCode	SWIFT code	1	String	

VUXML -> vouchers -> voucher -> invoice -> payerReceiver

Element name	Description	Occurences	Type	Content in fields, rules
payerReceiver	Payer/receiver (if other than the customer/supplier)	0..1		
prName	Name	1	String	

prAddress	Address	0..5	String	
csPostalAddress	Postal address	0..1		
prEmail	E-mail address	0..1	String	
prWWW	Internet address	0..1	URI	
prModeOfPayment	Mode of payment - allowed values are defined in Visma Enterprise Economy	0..1	String	
prCurrency	Currency code - ISO 4217	0..1	String	
prBankAccount	Bank account	0..1	String	
prBankInformation	Additional information about foreign banks	0..1		
prOrgNo	Organization number	0..1	String	
prPhone	Phone	0..1	String	
prFax	Fax	0..1	String	
prLanguage	Language code - ISO 639	0..1	String	

VUXML -> vouchers -> voucher -> invoice -> payerReceiver -> csPostalAddress

Element name	Description	Occurences	Type	Content in fields, rules
csPostalAddress	Postal address	0..1		
prCountryCode	Country code - ISO 3166-1	0..1	String	
prZipCode	Zip code	1	String	
prCity	City	1	String	

VUXML -> vouchers -> voucher -> invoice -> payerReceiver -> prBankInformation

Element name	Description	Occurences	Type	Content in fields, rules
prBankInformation	Additional information about foreign banks	0..1		
prBankName	Bank name	1	String	
prBankAddress	Bank address	0..4	String	
prSwiftCode	SWIFT code	1	String	

VUXML -> vouchers -> voucher -> textLines

Element name	Description	Occurences	Type	Content in fields, rules
textLines	Invoice text	0..*		
@textType	Free text type - allowed values are defined in Visma Enterprise Economy	0..1	String	
textLine	Free text line	1..*	String	

VUXML -> vouchers -> voucher -> attachments

Element name	Description	Occurences	Type	Content in fields, rules
attachment		0..*		

VUXML -> vouchers -> voucher -> attachments → attachment

Element name	Description	Occurences	Type	Content in fields, rules
@fileName	Filename for the attached file	1	String	
@fileType	Filetype	1	String	
@mimeCode	Mime Code	1	String	

@description	Description of the file content	1	String	
content	The attached file should be encoded to base64 binary	1	String	

VUXML -> vouchers -> errorMessages

Element name	Description	Occurences	Type	Content in fields, rules
errorMessages	Error messages (response only)	1..*		
errorMessage	Error message related to transaction	0..*	String	

Examples

1. xml-file with ledger

This xml-file contain a voucher with one line with a ledger for a supplier and an oposite line with the income.

```
<?xml version="1.0"?>
<VUXML xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xsi:
noNamespaceSchemaLocation="VUacctrans_v1p5.xsd">
  <vouchers approveVoucher="true" updateVoucher="true">
    <voucher company="1" division="0" year="2020">
      <voucherType>29</voucherType>
      <period>10</period>
      <voucherDate>2020-10-10</voucherDate>
      <responsible>HEG</responsible>
      <accountant>HEG</accountant>
      <transaction>
        <account>2327580</account>
        <voucherText>Faktura importert fra forsystem XX</voucherText>
        <baseAmount>-12465,00</baseAmount>
        <invoice invoiceNo="145798165">
          <invoiceDate>2020-10-10</invoiceDate>
          <dueDate>2020-11-09</dueDate>
          <csID>750750</csID>
        </invoice>
      </transaction>
      <transaction>
        <account>1100</account>
        <dimension2>140000</dimension2>
        <dimension3>1221</dimension3>
        <voucherText>Faktura importert fra forsystem XX</voucherText>
        <baseAmount>12465,00</baseAmount>
      </transaction>
      <taxCode>110</taxCode>
    </voucher>
  </vouchers>
</VUXML>
```

2. xml-file with payment for a customers invoice

This xml-file contain one line with payment for a customers invoice with an oposite line with a cash / bank transaction

```

<?xml version="1.0"?>
<VUXML xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xsi:
noNamespaceSchemaLocation="VUacctrans_v1p5.xsd">
  <vouchers approveVoucher="true" updateVoucher="true">
    <voucher company="1" division="0" year="2020">
      <voucherType>39</voucherType>
      <period>10</period>
      <voucherDate>2020-10-10</voucherDate>
      <responsible>HEG</responsible>
      <accountant>HEG</accountant>
      <transaction>
        <account>2100000</account>
        <voucherText>Innbetalt oktober 2020</voucherText>
        <baseAmount>1500,00</baseAmount>
      </transaction>
      <transaction>
        <account>2147559</account>
        <voucherText>Innbetalt oktober 2020</voucherText>
        <baseAmount>-1500,00</baseAmount>
        <invoice invoiceNo="020001754">
          <csID>120060</csID>
        </invoice>
      </transaction>
    </voucher>
  </vouchers>
</VUXML>

```

Error messages

Errors are handled on two levels in this service. Errors related to the server, request, authentication and authorization are handled through HTTP error messages.

Errors when the posted data is corrupt are handled in the response xml

See example below:

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<VUXML xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:noNamespaceSchemaLocation="VUacctrans_v1p5.xsd">
  <vouchers errorFlag="ERROR">
    <voucher company="10" division="0" year="2020" voucherNo="90209" errorFlag="ERROR">
      <voucherType>9</voucherType>
      <period>10</period>
      <voucherDate>2020-10-10</voucherDate>
      <responsible>Velferd</responsible>
      <accountant>Velferd</accountant>
      <transaction>
        <account>1520</account>
        <voucherText>Test transaction</voucherText>
        <baseAmount>100.00</baseAmount>
        <taxCode>0</taxCode>
      </transaction>
      <transaction>
        <account>2101010</account>
        <voucherText>Balance: Test transaction</voucherText>
        <baseAmount>-100.00</baseAmount>
        <taxCode>0</taxCode>
        <errorMessages>
          <errorMessage>Feil i lagring av Betaler/Betalingsmottaker, Løpenr.: 1/1
Reskontrnr = 0</errorMessage>
          <errorMessage>Feil i lagring av Kunde/Leverandør, Løpenr.: 1/1
Reskontrnr = 0</errorMessage>
        </errorMessages>
      </transaction>
    </voucher>
    .
  </vouchers>
</VUXML>

```



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Visma Enterprise – Webservice documentation

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