

SuiteBundle VBR

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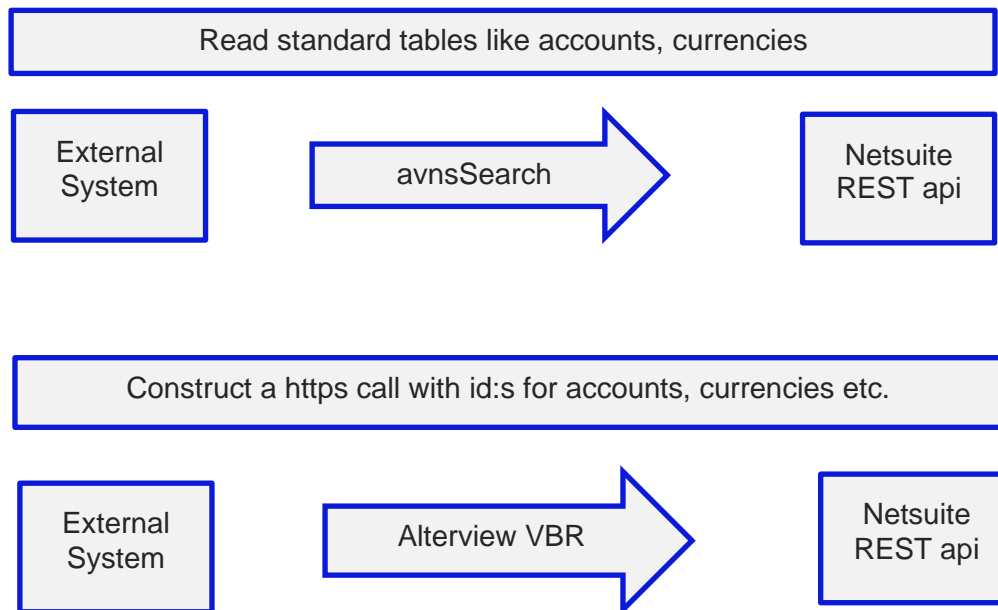
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General

The Alterview VBR is a REST function for adding Vendorbills to Netsuite.

The api could be customized without any coding.

Normally this bundle is used together with the bundles avnsSearch or adoSearch in order to read Netsuite Standard records like accounts,items or custom records.



This document describes installation of Alterview VBR and how to setup the functionality.

Installation

Install Bundle "Alterview VBR" – ID 236094

Role : Administrator

Menu: Customization -> SuiteBundles -> Search & Install Bundles

Search Keyword: 236094

Custom Fields Installed by the bundle

The field **VBR Company Code** (custrecord_efh_comp_code) is added to the subsidiary record for selecting correct subsidiary

Custom settings for the bundle

Menu: Setup ->Company -> General Preferences ->Tab: Custom Preferences->Group:Alterview VBR RESTlet

VBR USE AF ACCOUNT

Type: checkbox

Default:unchecked

Comment: If the account is using the AF Accounts (bundle AF Approval Flow). If the bundle is not installed the checkbox should be unchecked.

VBR AMORTIZATION SCHEDULE

Type: text

Default:empty

Comment: Set the internalid of the amortization schedule that should be used on transaction lines as default (for lines with AMORTIZATION_START_DATE and AMORTIZATION_END_DATE defined).

SETTINGS

The RESTlet uses a predefined configuration file in JSON format with parameters to set for the vendorbill. The syntax of the file is:

```
{
    Fields:[],
    Sublists:[]
}
```

Included in the ZIP file for this documentation package, a configuration file is included as a starting point. When the file is updated and ready to use, paste the content in the field SETTINGS.

Fields

Each field definition has the following format:

```
{
    name:NAME,
    type:TYPE,
    mandatory:MANDATORY,
    mapping:MAPPING,
    desc:DESCRIPTION,
    setfield:SETFIELD,
    setFieldValue:SETFIELDVALUE
}
```

Where:

name:Textual value of the JSON property example "ACCOUNT","MEMO" etc.

type:'select','date','number','text','currency','textarea','url'

mandatory: 'optional' or 'mandatory'

mapping:Field id in netsuite. For example 'custcol_memo', 'trandid' etc.Only used if setfield is true.

desc:Text to describe the property

setfield:true or false.true means that the field will be set on the vendorbill

setFieldValue: true/false. For select field in netsuite, each field value consist of a textual value and an id (internalid). Setting this field to true means that indata must be an internalid. Setting this field to false means that the textual value of the select field is used. (The function will try to search all possible items for the select field in order to find the item with the same textual value. Using textual values will slow down the functionality.

INVOICE_TYPE

name:'INVOICE_TYPE',
type:'text',
mandatory:'mandatory',
desc:'INVOICE_TYPE:DEBIT | CREDIT',
setfield:false,

COMPANY_CODE

name:'COMPANY_CODE',
type:'text',
mandatory:'mandatory',
desc:'EGH Company Code found on subsidiary record to get correct subsidiary',
setfield:true,

VENDOR_ID

name:'VENDOR_ID',
type:'text',
mandatory:'mandatory',
desc:'Netsuite internalid for vendor',
mapping:'entity',
setfield:true,

INVOICE_DATE

name:'INVOICE_DATE',
type:'date',
mandatory:'mandatory',
desc:'Invoice date',
mapping:'trandate',
setfield:true,

INVOICE_NUMBER

name:'INVOICE_NUMBER',
type:'text',
mandatory:'mandatory',
desc:'Invoice number',
mapping:'tranid',
setfield:true,

PAYMENT_REFERENCE

name:'PAYMENT_REFERENCE',
type:'text',
mandatory:'optional',
desc:'Payment reference',
mapping:'custbody_ocrnummer',
setfield:true,

CURRENCY_CODE

name:'CURRENCY_CODE',
type:'text',
mandatory:'mandatory',
desc:'Currency code, must be translated to internalid for actual currency',
mapping:'currency',
setfield:true,

TERMS_ID

name:'TERMS_ID',
type:'text',
mandatory:'mandatory',
desc:'Terms must be translated to internalid',
mapping:'terms',
setfield:true,

DUE_DATE

name:'DUE_DATE',
type:'date',
mandatory:'mandatory',
desc:'Due date',
mapping:'duedate',
setfield:true,

NET_AMOUNT

name:'NET_AMOUNT',
type:'number',
mandatory:'mandatory',
desc:'Net amount',
setfield:false,

GROSS_AMOUNT

name:'GROSS_AMOUNT',
type:'number',
mandatory:'mandatory',
desc:'Gross amount',
setfield:false,

TAX_AMOUNT

name:'TAX_AMOUNT',
type:'number',
mandatory:'mandatory',
fnc:null,
desc:'Tax amount',
setfield:false,

EXTERNAL_ID

name:'EXTERNAL_ID',
type:'text',
mandatory:'mandatory',
desc:'Externalid',
mapping:'externalid',
setfield:true,

INVOICE_PDF_URL

name:'INVOICE_PDF_URL',
type:'url',
mandatory:'optional',
desc:'external url to invoice',
mapping:'custbody_invoice_pdf_url',
setfield:true,

Comment: be sure to add custbody_invoice_pdf_url as an Body field of type url to the vendobill record if using this feature.

MEMO

name:'MEMO',
type:'text',
mandatory:'optional',
fnc:null,
desc:'memo',
mapping:'memo',
setfield:true,

Sublists

Each sublist has the following format:

```
{  
    name:'lines',  
    type:'array',  
    mapping:'expense',  
    mandatory:'mandatory',  
    fnc:null,  
    desc:'lines on invoice',  
    fields:[]  
}
```

Where the above sublist is the only standard sublist defined per default.

ACCOUNT

```
name:'ACCOUNT',  
type:'text',  
mandatory:'mandatory',  
desc:'Account',  
mapping:'account. Internalid of account if "VBR USE AF ACCOUNT" is unchecked,  
setfield:true,
```

DEPARTMENT

```
name:'DEPARTMENT',  
type:'text',  
mandatory:'mandatory',  
desc:'Department',  
mapping:'department',  
setfield:true,
```

LOCATION

name:'LOCATION',
type:'text',
mandatory:'optional',
desc:'Location',
mapping:'location',
setfield:true,

MEMO

name:'MEMO',
type:'text',
mandatory:'optional',
desc:'Memo',
mapping:'memo',
setfield:true,

TAX_CODE_ID

name:'TAX_CODE_ID',
type:'text',
mandatory:'mandatory',
desc:'Netsuite internalid for taxcode',
mapping:'taxcode',
setfield:true,

NET_AMOUNT

name:'NET_AMOUNT',
type:'number',
mandatory:'mandatory',
desc:'Net Amount',
mapping:'amount',
setfield:true,

TAX_AMOUNT

name:'TAX_AMOUNT',
type:'number',
mandatory:'mandatory',
desc:'Tax Amount',
mapping:'tax1amt',
setfield:true,

GROSS_AMOUNT

name:'GROSS_AMOUNT',
type:'number',
mandatory:'mandatory',
desc:'Gross Amount',
mapping:'grossamt',
setfield:false,

CUSTOMER_NAME

name:'CUSTOMER_NAME',
type:'text',
mandatory:'optional',
desc:'Customer name. If given and customer name not found an error is thrown',
mapping:'customer',
setfield:true,

AMORTIZATION_START_DATE

name:'AMORTIZATION_START_DATE',
type:'date',
mandatory:'optional',
desc:'Start date for amortization. If given both start and end date must be given',
mapping:'amortizstartdate',
setfield:true,

AMORTIZATION_END_DATE

name:'AMORTIZATION_END_DATE',
type:'date',
mandatory:'optional',
desc:'Start date for amortization. If given both start and end date must be given',
mapping:'amortizationenddate',
setfield:true,

The REST function

The REST function is https call with a header and a body in JSON format.

Authentication could be done either by using Token-Based Authentication or by using username/password (auth object). The difference between the two methods is the header information. The body is exactly the same in both cases. Acando recommends using Token-Based authentication due to the fact that it do not expose the users login credentials.

The url

The url for the REST function could be found after the installation at:

Customization -> Scripting -> Scripts

Filter the page on RESTlet

Navigate to Alterview VBR

View the Deployment record Alterview VBR

The Field EXTERNAL URL holds the relevant url.

The Header

Username /Password (auth)

The auth object in the header is Netsuites old way of doing authentication. For testing purpose in new projects it could be helpful to use this method because its quite fast to setup. The header should be defined as descried below:

```
Authorization: NLAAuth nlauth_account=ACCOUNT,  
nlauth_email=USERNAME,nlauth_signature=PASSWORD,  
nlauth_role=ROLE  
  
Content-Type: application/json; charset=UTF-8  
  
Host: HOST  
  
Content-Length: CONTENT_LENGTH
```

Where:

ACCOUNT:is the target account. It could be found at Setup -> Integration -> Web Service Preferences -> ACCOUNT ID

USERNAME: The email of the user

PASSWORD: users password

ROLE: the role to use. We recommend to use a custom role specially design for this purpose

HOST: The host

CONTENT_LENGTH: the length in characters in the body

Token-Based header

This document do not describe the use of Token Based authentication in detail.

See Netsuite help “Setting up Token-based Authentication for a RESTlet integration”

The header looks like:

```
<ns:tokenPassport soap:actor="http://schemas.xmlsoap.org/soap/actor/next" soap:mustUnderstand="0"
xmlns:ns="urn:messages_2017_1.platform.webservices.netsuite.com">
  <ns:account>1234567</ns:account>
  <ns:consumerKey>71cc02b731f05895561ef0862d71553a3ac99498a947c3b7beaf4a1e4a29f7c4</ns:consumerKey>
  <ns:token>89e08d9767c5ac85b374415725567d05b54ecf0960ad2470894a52f741020d82</ns:token>
  <ns:nonce>6obMKq0tmY8ylVOdEkA1</ns:nonce>
  <ns:timestamp>1439829974</ns:timestamp>
  <ns:signature algorithm="HMAC_SHA256">fzGxUBu6SZvGqv5hk8P4ou2DPthSxXlJ4zJleCBQK5A=</ns:signature>
</ns:tokenPassport>
```

The Body

How the body is constructed depends on the setup of the configuration file.

The example below shows a body with some custom fields added to the Vendor Bill.

```
{
  "COMPANY_CODE": "COMP-SWE",
  "VENDOR_ID": "46",
  "INVOICE_TYPE": "DEBIT",
  "INVOICE_DATE": "2018-05-03",
  "INVOICE_NUMBER": "1234-20",
  "PAYMENT_REFERENCE": "196303259011",
  "CURRENCY_CODE": "SEK",
  "TERMS_ID": "2",
  "DUE_DATE": "2018-06-06",
  "NET_AMOUNT": "100.00",
  "GROSS_AMOUNT": "125.00",
  "TAX_AMOUNT": "25.00",
  "EXTERNAL_ID": "pbn-200",
  "INVOICE_PDF_URL": "",
  "MEMO": "memo huvud",
  "lines": [{
    "EXPENSEDATE": "2018-10-10",
    "CLASSIFICATION": "Test Class",
    "MEMO": "memo rad",
    "ACCOUNT": "5890",
    "DEPARTMENT": "test cs flow",
    "LOCATION": "test location 2",
    "GROSS_AMOUNT": "125.00",
    "NET_AMOUNT": "100.00",
    "TAX_AMOUNT": "25.00",
    "TAX_CODE_ID": "13"
  ]
}
```

```
{
  name: 'CLASSIFICATION',
  type: 'text',
  mandatory: 'optional',
  desc: 'Classification',
  mapping: 'class',
  setfield: true,
  setFieldValue: false
},
```

CLASSIFICATION is defined in the configuration file as the textbox to the left. Note that setFieldValue is false which means that a textual value needs to be set in the indata for this line field.