

Purchase Invoice v2.0

Deskera Development Space

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1 GET / INVOICE

Let's look at another example of retrieving Invoices from the system.

1.1 To GET Purchase Invoice List

<REST API Accounting endpoint>/rest/v1/transaction/purchase-invoice

e.g: <https://accounting.deskera.com/rest/v1/transaction/purchase-invoice?request={} & token=A11A>

1.2 Request Method

GET

1.3 Parameter

Field	Type	Description
token	String	Authorized token for integration.
request	JSON	Details for retrieving Sales Invoice Records

1.4 Request fields

Parameter	Required/Optional	Description
cdomain	Required	Subdomain of the company
startdate	Required	start date i.e. from date to view record
enddate	Required	end date i.e. to date to view record
userName	Required	username of the user
moduleIds	Optional	Module id. "6" for Purchase Invoice.
isdefaultHeaderMap	Optional	Always send it false

getlineItemDetailsflag	Optional	Flag to fetch line item details or not. Default value is “true”
start	Optional	limit applied to view records
limit	Optional	

1.5 Example of Request

Request
<pre>{ "cdomain": "deskera1", "startdate": "Jan 01, 2019 12:00:00 AM", "enddate": "Dec 30, 2019 12:00:00 AM", "userName": "admin", "start": "0", "limit": "30", "getlineItemDetailsflag": "true" }</pre>

1.6 Response

Field	Type	Description
Response	JSON	Details of each Invoice

1.7 Global Level Details :

Property	Description
totalCount	The total Count of Invoices
billno	Purchase Invoice number
billid	Invoice unique transaction id

Property	Description
journalentryid	Unique Journal entryid
entryno	The journal entry number
date	Purchase Invoice date
termid	Credit Term unique id
termname	Credit Term Name
personcode	The vendor code
personname	Vendor name
sequenceformatid	Sequenceformat unique id
currencycode	The currency Code of currency
dueDate	The duedate of Invoice
amountdue	The amount due of Invoice
termamount	The total term amount of Invoice
shippingFax	The shipping fax number of address
amountinbase	The totalamount in base currency
cashtransaction	for cash sales=true else false
exchangerate	Exchange Rate of Transaction

Property	Description
agent	The salesperson unique id
agentname	The sales person name
memo	memo field value
gstIncluded	true =if gst check is on in Invoice
includeprotax	true= If line level taxes are applied else false
costcenterName	The cost center Value
discount	The total discount of Invoice
amount	Total amount
isAllowToEdit	true=If invoice is allowed to edit
lineItemDetails	It is the line item details in Json Array format
salesPersonName	The sales person name linked in invoice
taxname	Shows tax name. If multiple taxes are applied then comma separated tax names shown.
taxamount	Total tax applied in transaction

1.8 Line Level Details :

Property	Description
productid	Product unique id
unitname	The uom name

Property	Description
location	The location id of product
amount	It is rate*quantity-discount + taxamount
quantity	It is the quantity
baseuomquantity	It is the basequantity with respect to uom.
rateIncludingGst	Unit price including gst
rowTaxPercent	Taxpercent applied at product level
baseuomrate	Base defined for uom and rate
desc	Description of product
baseuomname	base Uom for Product
productname	Product Name
productType	Product Type
rate	Unit Price
taxname	Tax Name
taxamount	Tax Amount
prtaxid	Tax unique id
discount	Discount value applied at line level

Example of Response

Response

```

{
  "data": [
    {
      "amountdue5": 0,
      "shippingCity": "",
      "amountdue4": 0,
      "amountdue7": 0,
      "amountdue6": 0,
      "isTDSApplicable": false,
      "amountdue9": 0,
      "tdsamount": 0,
      "amountdue8": 0,
      "supplierinvoiceno": "",
      "isDraft": false,
      "RMCDApprovalNo": "",
      "amountdue1": 0,
      "amountdue3": 0,
      "amountdue2": 0,
      "amountdue": 100,
      "taxname": "",
      "amountbeforegst": 100,
      "amountdueinbase": 100,
      "vendorbillingMobileForINDIA": "",
      "shippingPostal": "",
      "billingAddContactNo": "",
      "landedInvoiceNumber": "",
      "isfavourite": false,
      "subtotal": 100,
      "vendorbillingPostalForINDIA": "",
      "shippingState": "",
      "normaldate": "2019-08-28",
      "billingCounty": "",
      "vendcustShippingPostal": "",
      "cashtransaction": false,
      "isFinalLevelApproval": true,
      "vendorbillingEmailForINDIA": "",
      "discountval": 0,
      "fixedAssetInvoice": false,
      "amountDueOriginal": 100,
      "companyaddress": "",
      "isExciseInvoice": false,
      "billingEmail": "",
      "defaultnatureofpurchase": "",
      "billid": "402880b96cd6f610016cd708097c0006",
      "isNormalTransaction": true,
      "billingMobile": "",
      "vendcustShippingCity": "",
      "billingAddContactPerson": "",
      "approvalstatus": 11,
      "approvalstatusinfo": "Approved",
      "isRepeated": false,
      "shippingAddContactPerson": "",
    }
  ]
}

```



```

"taxpercent": 0,
"deleted": false,
"isexpenseinv": false,
"billingAddressType": "",
"currencyCode": "SGD",
"shippingEmail": "",
"agent": "",
"tdsmasterrateruleid": 0,
"amountinbase": 100,
"hasAccess": true,
"vendorbillingFaxForINDIA": "",
"currencycode": "SGD",
"entryno": "JE000054",
"shippingRoute": "",
"selfBilledInvoice": false,
"BillingAddEmail": "",
"createdby": "Vaibhav Patil",
"taxid": "",
"shippingCountry": "",
"shippingAddressType": "",
"termdetails": [

],
"shippingCounty": "",
"vendorbillingAddressTypeForINDIA": "",
"vendcustShippingFax": "",
"billingState": "",
"isConsignment": false,
"shipvia": "",
"amountDueStatus": "Open",
"isjobworkoutrec": false,
"personcode": "V001",
"fob": "",
"isOpeningBalanceTransaction": false,
"oldcurrencyrate": 1,
"billingWebsite": "",
"exchangerate": "1 SGD = 0.0 SGD",
"discountinbase": 0,
"vendorbillingWebsiteForINDIA": "",
"isprinted": false,
"isInterstateParty": false,
"billingRecipientName": "",
"gstIncluded": false,
"shipdate": "",
"posttext": "",
"billingPostal": "",
"tdsrate": 0,
"isCapitalGoodsAcquired": false,
"accountnames": "Advertising",
"externalcurrencyrate": 0,
"vendcustShippingWebsite": "",
"vendorbillingContactPersonForINDIA": "",
"vendcustShippingPhone": "",
"vendorbillingStateForINDIA": "",
"deductDiscount": 0,

```

```

"costcenterid": "",
"duedate": "October 12, 2019 12:00:00 AM",
"vendcustShippingAddress": "",
"billingAddress": "",
"shippingMobile": "",
"amountBeforeTax": "100.0000",
"billingContactPerson": "",
"amountduenonnegative": 100,
"memo": "",
"discount": 0,
"billingContactPersonDesignation": "",
"type": "Purchase Invoice",
"currencysymbol": "SGD",
"ntp_uploadStatus": 0,
"importService": false,
"shippingAddEmail": "",
"billingCountry": "",
"billingFax": "",
"personname": "Ravindra",
"productTotalAmount": 100,
"termamountinBase": 0,
"termid": "402880955e98a561015e98cdacb70092",
"isLinkedTransaction": false,
"companyname": "Deskera India",
"vendorbillingContactPersonNumberForINDIA": "",
"billingContactPersonNumber": "",
"taxamount": 0,
"billno": "20190828-003",
"status": "Open",
"lineItemDetails": [
  {
    "salesAccountId": "402880955e98a561015e98ce5e59018d",
    "productid": "40288095666673880166668cedda001b",
    "amountinbase": 100,
    "hasAccess": true,
    "isLocationForProduct": true,
    "remainingquantity": 1,
    "linktype": -1,
    "pid": "Test1",
    "type": "Inventory Part",
    "rowid": "402880b96cd6f610016cd708083d0001",
    "producttype": "d8a50d12-515c-102d-8de6-001cc0794cfa",
    "invlocation": "",
    "currencysymbol": "SGD",
    "availableQtyInSelectedUOM": 99,
    "isAsset": false,
    "rowTaxAmount": 0,
    "salestaxId": "",
    "isBinForProduct": false,
    "barcodetype": 0,
    "unitname": "Unit",
    "prtaxid": "None",
    "rowTaxPercent": 0,
    "LineTermdetails": "[]",
    "productaccountid": "402880955e98a561015e98ce5e59018d",
  }
]

```

```

"prdiscount": 0,
"isBatchForProduct": false,
"isWarehouseForProduct": true,
"warehouse": "402880955e98a561015e98ce75be01ce",
"includeprotax": false,
"amountForExcelFile": "100.0000",
"accountId": "402880955e98a561015e98cdad9900a1",
"linkto": "",
"originalTransactionRowid": "402880b96cd6f610016cd708083d0001",
"taxamount": 0,
"natureofpayment": "",
"billno": "20190828-003",
"rateinbase": 100,
"invstore": "",
"desc": "",
"multiuom": false,
"oldcurrencyrate": 1,
"gstCurrencyRate": 0,
"joborderdetail": "",
"uomname": "Unit",
"description": "",
"uomid": "402880955e98a561015e98cdad0b0098",
"originalamount": 100,
"isRackForProduct": false,
"dquantity": 1,
"baseuomquantity": 1,
"baseuomrate": 1,
"taxamountforlinking": 0,
"linkid": "",
"rate": 100,
"taxamountinbase": 0,
"srno": 1,
"billid": "402880b96cd6f610016cd708097c0006",
"productname": "Test1",
"rcmapplicable": false,
"rateIncludingGst": 100,
"productpurchaseaccountid": "402880955e98a561015e98ce5e59018d",
"productType": "Inventory Part",
"isSerialForProduct": false,
"amount": 100,
"quantity": 1,
"baseuomname": "Unit",
"isconsignment": false,
"prtaxpercent": 0,
"discountispercent": 1,
"isRowForProduct": false,
"isUserModifiedTaxAmount": false,
"israteIncludingGst": false,
"productsalesaccountid": "402880955e98a561015e98ce5e59018d",
"supplierpartnumber": "",
"taxpercent": 0,
"recTermAmount": 0,
"purchasetaxId": "",
"isJobWorkOutProd": false,
"priceSource": "",

```

```

    "permit": "",
    "remquantity": 0,
    "location": "37a2d9fd-0c6a-43be-a6ba-25232beb8b78",
    "discountAccountId": "402880955e98a561015e98cdad9900a1",
    "isTDSAppliedForProduct": false,
    "currencyCode": "SGD"
  }
],
"invoicetype": "",
"costcenterName": "",
"shiplengthval": 1,
"vendcustShippingCounty": "",
"normalshipdate": "",
"isCreditable": true,
"vendorbillingCityForINDIA": "",
"purchaseinvoicetype": "Product",
"termdays": 45,
"rcmapplicable": false,
"personid": "40288095677962b50167796acc440001",
"vendcustShippingRecipientName": "",
"normalduedate": "2019-10-12",
"termname": "NET 45",
"vendorbillingCountryForINDIA": "",
"shippingAddress": "",
"exchangeratefortransaction": 1,
"withoutinventory": false,
"vendcustShippingEmail": "",
"date": "August 28, 2019 12:00:00 AM",
"isRoundingAdjustmentApplied": false,
"termamount": 0,
"shippingWebsite": "",
"taxincluded": false,
"vendcustShippingContactPersonDesignation": "",
"companyid": "04575a0c-b33c-11e3-986d-001e670e0001",
"archive": 0,
"vendcustShippingContactPerson": "",
"shipto": "",
"amountdue10": 0,
"landedInvoiceID": "",
"amountdue11": 0,
"vendorbillingPhoneForINDIA": "",
"isdropshipchecked": false,
"isapplytaxtoterms": false,
"paymentname": "NA",
"shippingContactPersonDesignation": "",
"includeprotax": false,
"isgstIncluded": "No",
"aliasname": "Ravindra",
"vendcustShippingContactPersonNumber": "",
"agentname": "",
"vendcustShippingState": "",
"journalentryid": "402880b96cd6f610016cd70808240000",
"isTransactionHavingDeactivatedTerms": false,
"code": "V001",
"shippingFax": "",

```

```

    "importexportdeclarationno": "",
    "lasteditedby": "Vaibhav Patil",
    "shippingContactPerson": "",
    "vendcustShippingCountry": "",
    "parentinvoiceid": "",
    "ispercentdiscount": false,
    "attachment": 0,
    "vendorbillingRecipientNameForINDIA": "",
    "isEmailSent": false,
    "taxamountinbase": 0,
    "shippingAddContactNo": "",
    "vendcustShippingMobile": "",
    "vendorbillingCountyForINDIA": "",
    "amount": 100,
    "shippingRecipientName": "",
    "isRetailPurchase": false,
    "currencyname": "SG Dollar (SGD)",
    "shippingPhone": "",
    "vendorbillingContactPersonDesignationForINDIA": "",
    "vendorbillingAddressForINDIA": "",
    "sequenceformatid": "4028809567ca08920167ca60b0fd0240",
    "vendcustShippingAddressType": "",
    "billto": "",
    "landingCostCategoryCombo": "",
    "isAllowToEdit": false,
    "shippingContactPersonNumber": "",
    "currencyid": "6",
    "personinfo": "Ravindra(V001)",
    "billingCity": "",
    "billingPhone": ""
  },
],
"success": true,
"totalCount": 2
}

```

2 POST/SAVE INVOICE

Let's look at another example of saving the Purchase Invoice(Credit Purchase/Cash Purchase) into the system.

2.1 To Save Purchase Invoice

<REST API Accounting endpoint>/rest/v1/transaction/purchase-invoice

e.g: <https://accounting.deskera.com/rest/v1/transaction/purchase-invoice?token=A11AZ>

2.2 Request Method

POST

2.3 Parameter

Field	Type	Description
token	String	Authorized token for integration.
request	JSON	Details for saving Sales Invoice
Parameters	Required/Optional	Description
username	Required	Username of current user
termvalue	Required	It is term value given.
invoicenumber	Required	Invoice number
userdateformat	Optional	User defined date format
taxvalue	Optional	tax code of overall tax. If tax is applied at product level then pass the value as empty string to this key. Tax value should be given if overall tax is applied
agent	Optional	Agent value

pmtmethodvalue	Required / Optional	If incash=true then need to define payment method value
memo	Optional	memo field value
isEdit	Required / Optional	If edit case pass this flag as true else dont pass this flag
goodsreceiptdetail	Required	It is line Item Details. Please refer below json format.
sequenceformatvalue	Required	Sequence format
includeprotax	Optional	true= If tax is applied at each product level. tax value of overall should be empty String.
incash	Required	incash =true for Cash Purchase incash=false for Credit Purchase
fob	Optional	fob field value
vendorvalue	Required	Vendor code
currencyvalue	Required	Currency code
costcentervalue	Optional	Cost Center value
cdomain	Required	Subdomain of company
billdate	Required	Transaction date of record
duedate	Required	Due date of record
customfield	Optional	Custom field details in JSON format. Refer below JSON details.
externalcurrencyrates	Optional	Currency rate in case of foreign currency

2.4 Line Item KEY Details :

Parameters	Required/Optional	Description
productvalue	Required	It is the product code
rate	Required	It is the unit price
quantity	Required	It is the quantity
baseuomrate	Required	Unit of measure rate
uomvalue	Required	Unit of measure value
prdiscount	Optional	Discount value
discountispercent	Optional	It is the dicount type(1= Percentage , 0=Flat)
desc	Optional	Description of Product
producttaxvalue	Optional	It is the taxid of the tax applied to product

2.5 Example of Request

Request

```
{
  "userName": "admin",
  "vendorvalue": "Rahul",
  "invoicedate": "Sep 03, 2019 12:00:00 AM",
  "duedate": "Sep 17, 2019 12:00:00 AM",
  "invoicenum": "PI955",
  "cdomain": "sumiterp12",
  "incash": "true",
  "externalcurrencyrate": "1.5",
  "termvalue": "NET 45",
  "currencyvalue": "USD",
  "pmtmethodvalue": "cash",
  "goodsreceiptdetail": [
    {
      "rate": "70",
      "productvalue": "test",
      "quantity": "2",
      "baseuomrate": "1",
      "prdiscount": "0",
      "discountispercent": "1"
    }
  ]
}
```

2.6 Response

Field	Type	Description
Response	JSON	Details of Invoice saved

Property	Description
message	It is the message given after saving of transaction
success	true = Transaction is successful false = Transaction is unsuccessful
amount	Transaction value
invoiceid	Invoice id
billno	Bill number
pendingApproval	Approval status

2.7 Example of Response

Response
<pre>{ "amount": 140, "doinvflag": 0, "isTaxDeactivated": false, "isAccountingExe": false, "success": true, "isDuplicateNoExe": false, "isExpenseInv": false, "invoiceid": "402880b96cfb9b42016cfc2e3a180034", "channelName": "/VendorInvoiceAndCashPurchaseReport/gridAutoRefresh", "message": "Purchase Receipt has been saved successfully
Document No: PI955, JE No: JE000062", "billno": "PI955", "pendingApproval": false }</pre>

3 POST/EDIT INVOICE (Not Released)

Let's look at another example of saving the Purchase Invoice(Credit Purchase/Cash Purchase) into the system.

3.1 To Edit Purchase Invoice

<REST API Accounting endpoint>/rest/v1/transaction/purchase-invoice

e.g: <https://accounting.deskera.com/rest/v1/transaction/purchase-invoice?token=A11AZ>

3.2 Request Method

POST

3.3 Parameter

Field	Type	Description
token	String	Authorized token for integration.
request	JSON	Details for saving Sales Invoice

Following Fields are mandatory for update Purchase Invoice and after that add fields which you want to update.

Parameters	Required/ Optional	Description
cdomain	Required	subdomain of company
username	Required	username of current user
invoicenumbe r	Required	User defined sales invoicenumbe r else pass empty String. If passed blank t will take default sequenceformat for invoice defined in System Controls.
incash	Required	incash =true for Cash Purchase incash=false for Credit Purchase

Parameters	Required/ Optional	Description
pmtmethodvalue	Required / Optional	If incash=true then need to define payment method value

Ex-

1) If you want to update only memo. Please refer following example.

Request
<pre>{ "cdomain": "testerp", "invoicenum": "REST_DO_05", "username": "admin", "incash": "true", "pmtmethodvalue": "cash" "memo": "testmemo" }</pre>

3.4 Line Item KEY Details :

Parameters	Required/Optional	Description
productvalue	Required	It is the product code
rate	Required	It is the unit price
quantity	Required	It is the quantity
baseuomrate	Required	Unit of measure rate
uomvalue	Required	Unit of measure value
prdiscount	Optional	Discount value

discountispercent	Optional	It is the dicount type(1= Percentage , 0=Flat)
desc	Optional	Description of Product
producttaxvalue	Optional	It is the taxid of the tax applied to product

Note- If you want change line level field then need to add all mandatory field or optional at same product which are mention in above table.Please refer following example for more details

Ex -

1) update only quantity for existing product-

Request

```
{
  "cdomain": "testerp",
  "invoicenum": "REST_DO_05",
  "username": "admin",
  "incash": "true",
  "pmtmethodvalue": "cash"
  "memo":"testmemo",
  "goodsreceiptdetail": [
    {
      "rate": "70",
      "productvalue": "Guitar",
      "quantity": "3",
      "baseuomrate": "1",
      "prdiscount": "3",
      "discountispercent": "1",
      "producttaxvalue": "GST(IM)@7.00%"
    }
  ]
}
```

2) Add product -

Request

```
{
  "cdomain": "testerp",
  "invoicenum": "REST_DO_05",
  "username": "admin",
  "incash": "true",
  "pmtmethodvalue": "cash"
  "memo": "testmemo",
  "goodsreceiptdetail": [
    {
      "rate": "70",
      "productvalue": "test",
      "quantity": "3",
      "baseuomrate": "1",
      "prdiscount": "3",
      "discountispercent": "1",
      "producttaxvalue": "GST(IM)@7.00%"
    }
  ]
}
```

3) Delete existing product-

Need to provide deleterow i.e ("deleterow": "true") key for product at line level.

Request

```
{
  "cdomain": "testerp",
  "invoicenum": "REST_DO_05",
  "username": "admin",
  "incash": "true",
  "pmtmethodvalue": "cash"
  "memo": "testmemo",
  "goodsreceiptdetail": [
    {
      "rate": "70",
      "productvalue": "test",
      "quantity": "3",
      "baseuomrate": "1",
      "prdiscount": "3",
      "discountispercent": "1",
      "producttaxvalue": "GST(IM)@7.00%",
      "deleterow": "true"
    }
  ]
}
```

3.5 Example of Response

Response

```
{
  "amount": 435.91999999999996,
  "doinvflag": 0,
  "isTaxDeactivated": false,
  "isAccountingExe": false,
  "success": true,
  "isDuplicateNoExe": false,
  "isExpenseInv": false,
  "invoiceid": "ff8081816e83995d016e83a8dfed0047",
  "channelName": "/VendorInvoiceAndCashPurchaseReport/gridAutoRefresh",
  "message": "Purchase Receipt has been saved successfully <br/>Document No: <b>REST_DO_05</b>, JE No: <b>JE000030</b>",
  "billno": "09",
  "pendingApproval": false
}
```