

Sales Invoice v1.0

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 Sales Invoice List

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

e.g: <https://accounting.deskera.com/rest/v1/transaction/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
modulelds	Required	Module id. "2" for Invoice.
isdefaultHeaderMap	Required	Always send it true

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", "gcurrencyid": "6", "startdate": "Dec 31, 2017 12:00:00 AM", "enddate": "Dec 30, 2019 12:00:00 AM", "username": "admin", "start": "0", "limit": "30", "isdefaultHeaderMap": "true", "getlineItemDetailsflag": "true", "moduleIds": "2", "isExport": "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

Property	Description
invoiceNumber	Invoice number
billid	Invoice unique transaction id
journalentryid	Unique Journal entryid
entryno	The journal entry number
invoiceDate	The Invoice date
termid	Credit Term unique id
termname	Credit Term Name
amountinWords	Total Amount in Words
accid	The customer account unique id
customercode	The customer code
CustomerNameValue	Customer name
sequenceformat	Sequenceformat unique id
sequenceformatValue	Sequence format name
generateDeliveryOrder	true=if delivery order is generated along with Invoice
dONumber	The generated delivery order number
currencycode	The currency Code of currency

Property	Description
dueDate	The due date of Invoice
amountdue	The amount due of Invoice
termamount	The total term amount of Invoice
billingFax	The billing fax number of billing address
amountinbase	The total amount in base currency
cashtransaction	for cash sales=true else false
exchangerate	Exchange Rate of Transaction
salesperson	The salesperson unique id
salesPersonCode	The sales person code of salesperson
salespersonValue	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

Property	Description
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
accName	Customer account name
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
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

Property	Description
desc	Description of product
baseuomname	base Uom for Product
productname	Product Name
productID	Product ID
productType	Product Type
rate	Unit Price
taxname	Tax Name
taxamount	Tax Amount
prtaxid	Tax unique id
discount	Discount value applied at line level
batchdetails	The Inventory related details in JSON format.

1.9 Product Batch Details :

Property	Description
purchasebatchid	Batch unique id
purchaseserialid	Serial unique id
location	Location unique id
warehouse	Warehouse unique id
row	Row unique id
rack	Rack unique id
bin	Bin unique id
batchname	Batch Name
serialno	Serial Number

Property	Description
locationName	Location Name
storeName	Warehouse/ Store Name
rowName	Row Name
rackName	Rack Name
binName	Bin Name
quantity	Product quantity

1.10 Example of Response

Response

```
{
  "data": [
    {
      "shippingCity": "",
      "isreval": 0,
      "isDraft": false,
      "taxname": "",
      "amountdue": 399.95,
      "amountbeforegst": 399.95,
      "issupplementary": 0,
      "amountdueinbase": 399.95,
      "currencyidval": "(SGD)",
      "customerbankaccounttype": "",
      "methodid": "",
      "shippingPostal": "",
      "billingAddContactNo": "",
      "isfavourite": false,
      "subtotal": 399.95,
      "isLeaseFixedAsset": false,
      "shippingState": "",
      "billingCounty": "",
      "cashtransaction": false,
      "deliveryTime": "",
      "discountval": 0,
      "fixedAssetInvoice": false,
      "billtoaddress": "Chennai",
      "amountDueOriginal": 399.95,
      "companyaddress": "",
      "isExciseInvoice": false,
      "billingEmail": "",
      "defaultnatureofpurchase": "",
      "billid": "4028813968e069140168e5831003002b",
      "isNormalTransaction": true,
      "billingMobile": "",
      "billingAddContactPerson": "",
      "approvalstatus": 11,
      "approvalstatusinfo": "Approved",
      "isRepeated": false,
      "porefno": "",
      "ntp_uploadScheduleStatus": 0,
      "shiptoaddress": "Chennai",
      "taxpercent": 0,
      "shippingAddContactPerson": "",
      "deleted": false,
      "billingAddressType": "Billing Address1",
      "shippingEmail": "",
      "amountinbase": 399.95,
      "hasAccess": true,
    }
  ]
}
```

```

"additionalMemoName": "",
"currencycode": "SGD",
"entryno": "JE000030",
"shippingRoute": "",
"BillingAddEmail": "",
"createdby": "Vaibhav Patil",
"taxid": "",
"shippingCountry": "",
"shippingAddressType": "Billing Address1",
"termdetails": [

],
"shippingCounty": "",
"personAddress": "Chennai",
"creditDays": 0,
"billingState": "",
"isConsignment": false,
"templateid": "ff80808140a555fe0140a588bcee0007",
"shipvia": "",
"amountDueStatus": "Open",
"personcode": "C001",
"fob": "",
"amountinWords": "SG Dollar (SGD) Three Hundred Ninety Nine And Cents Ninety Five Only.",
"hasautogenpickpackdo": false,
"isOpeningBalanceTransaction": false,
"oldcurrencyrate": 1,
"movementtype": "",
"billingWebsite": "",
"exchangerate": "1 SGD = 1.0 SGD",
"discountinbase": 100.05,
"isprinted": false,
"isInterstateParty": false,
"billingRecipientName": "",
"accid": "402880955e98a561015e98cdad73009a",
"gstIncluded": false,
"customername": "Ceena",
"isjobWorkWitoutGrn": false,
"shipdate": "",
"salespersoncode": "",
"customerbankaccounttypevalue": "",
"posttext": "",
"billingPostal": "",
"isMerchantExporter": false,
"externalcurrencyrate": 1,
"deductDiscount": 0,
"costcenterid": "",
"fixedAssetLeaseInvoice": false,
"duedate": "April 26, 2018",
"billingAddress": "Chennai",
"creditlimit": 0,
"shippingMobile": "",
"cashReceived": 0,
"amountBeforeTax": "399.9500",
"billingContactPerson": "",
"getFullShippingAddress": "Chennai",

```

```

"originalInvoiceId": "",
"amountduenonnegative": 399.95,
"memo": "",
"discount": 100.05,
"billingContactPersonDesignation": "",
"type": "Sales Invoice",
"excluded": false,
"currencysymbol": "SGD",
"ntp_uploadStatus": 0,
"shippingAddEmail": "",
"action": "",
"billingCountry": "",
"billingFax": "",
"generatedSource": 0,
"personname": "Ceena",
"paymentMethodUsedForUOB": "",
"productTotalAmount": 500,
"dONumber": "D00001",
"termamountinBase": 0,
"termid": "402880955e98a561015e98cdacb60090",
"isExpander": false,
"isLinkedTransaction": true,
"companyname": "Deskera India",
"billingContactPersonNumber": "",
"taxamount": 0,
"billno": "SI0001",
"status": "Closed",
"lineItemDetails": [
  {
    "productid": "402880955e98a561015e994e8cfa0422",
    "linktype": -1,
    "type": "Inventory Part",
    "rowid": "4028813968e069140168e5830f560024",
    "currencysymbol": "SGD",
    "availableQtyInSelectedUOM": 9,
    "rowTaxAmount": 0,
    "isBinForProduct": true,
    "bomcode": "",
    "linkedDoIds": {

  },
  "productaccountid": "402880955e98a561015e98ce5e540188",
  "productweightperstockuom": 0,
  "productvolumeperstockuom": 0,
  "warehouse": "402880955e98a561015e98ce75be01ce",
  "amountForExcelFile": "399.9500",
  "accountId": "402880955e98a561015e98cdadad00a9",
  "originalTransactionRowid": "4028813968e069140168e5830f560024",
  "taxamount": 0,
  "billno": "SI0001",
  "inneruom": "",
  "bomid": "",
  "gstCurrencyRate": 0,
  "originalamount": 399.95,
  "baseuomrate": 1,

```

```

"taxamountforlinking": 0,
"srno": 1,
"billid": "4028813968e069140168e5831003002b",
"isSerialForProduct": true,
"partialDiscount": 25.0125,
"discountjson": "",
"prtaxpercent": 0,
"partamount": 0,
"discountispercent": 0,
"productvolumeincludingpakagingperstockuom": 0,
"isUserModifiedTaxAmount": false,
"termname": "NET 0",
"israteIncludingGst": false,
"availablequantity": 9,
"taxpercent": 0,
"batchdetails": "[{\\"purchaseserialid\\":\\"5fa1517b-1146-4730-89c9-a18a851b764b\\",\\"productid\\":
\\"402880955e98a561015e994e8cfa0422\\",\\"bin\\":\\"402880955e98a561015e9903d91603a5\\",\\"wastageQuantity\\":
0,\\"purchasebatchid\\":\\"a50476ec-108a-4157-a536-c352964e6a12\\",\\"expstart\\":\\"September 1, 2017\\",
\\"serialnoid\\":\\"5fa1517b-1146-4730-89c9-a18a851b764b\\",\\"serialno\\":\\"S10\\",\\"balance\\":0,\\"attachment\\":
0,\\"storeName\\":\\"COMMERZONE\\",\\"attachmentids\\":\\"\\",\\"id\\":\\"a50476ec-108a-4157-a536-c352964e6a12\\",
\\"row\\":\\"402880955e98a561015e99030bab039d\\",\\"wastageQuantityType\\":0,\\"documentid\\":
\\"4028813968e069140168e58336a8002f\\",\\"rack\\":\\"402880955e98a561015e99037dc003a2\\",\\"locationName\\":
\\"Default Location\\",\\"quantity\\":1,\\"rowName\\":\\"Rw2\\",\\"batch\\":\\"BT2\\",\\"skufield\\":\\"\\",
\\"avlquantity\\":4,\\"warehouse\\":\\"402880955e98a561015e9904510603a7\\",\\"binName\\":\\"Bin2\\",\\"batchname\\":
\\"BT2\\",\\"mfgdate\\":\\"September 1, 2017\\",\\"stocktype\\":1,\\"expdate\\":\\"September 30, 2017\\",\\"rackName\\":
\\"Rk2\\",\\"location\\":\\"37a2d9fd-0c6a-43be-a6ba-25232beb8b78\\",\\"isreadyonly\\":false,\\"asset\\":\\"\\",
\\"expdate\\":\\"September 30, 2017\\"}]",
"priceSource": "",
"remquantity": 0,
"discountAccountId": "402880955e98a561015e98cdadad00a9",
"currencyCode": "SGD",
"discountvalue": 100.05,
"salesAccountId": "402880955e98a561015e98ce5e540188",
"amountinbase": 399.95,
"hasAccess": true,
"isLocationForProduct": true,
"remainingquantity": 1,
"pid": "BSRRB",
"producttype": "d8a50d12-515c-102d-8de6-001cc0794cfa",
"invlocation": "",
"isAsset": false,
"taxNameForExport": "",
"barcodetype": 0,
"unitname": "Unit",
"lineleveltaxtermamount": 0,
"prtaxid": "None",
"productweightincludingpakagingperstockuom": 0,
"rowTaxPercent": 0,
"prdiscount": 100.05,
"inneruomvalue": 1,
"isBatchForProduct": true,
"isapplytaxtoterm": false,
"isWarehouseForProduct": true,
"isConsignment": false,
"caseuomvalue": 1,

```

```

    "includeprotax": false,
    "discountTypeName": "Flat",
    "linkto": "",
    "stockuom": "402880955e98a561015e98cdad0b0098",
    "stockuomvalue": 1,
    "isLinkedDoInSI": false,
    "adjustedRate": 0,
    "invstore": "",
    "rateinbase": 500,
    "desc": "",
    "multiuom": false,
    "oldcurrencyrate": 1,
    "joborderitem": false,
    "uomname": "Unit",
    "description": "",
    "uomid": "402880955e98a561015e98cdad0b0098",
    "isRackForProduct": true,
    "dquantity": 1,
    "baseuomquantity": 1,
    "linkid": "",
    "rate": 500,
    "taxamountinbase": 0,
    "productname": "BatchSrRowRackBin Product",
    "rateIncludingGst": 500,
    "productType": "Inventory Part",
    "amount": 399.95,
    "quantity": 1,
    "baseuomname": "Unit",
    "partialInvoice": false,
    "discountvalueinbase": 100.05,
    "isRowForProduct": true,
    "caseuom": "",
    "recTermAmount": 0,
    "location": "37a2d9fd-0c6a-43be-a6ba-25232beb8b78",
    "isAutoAssembly": false
  }
],
"salespersondesignation": "",
"costcenterName": "",
"shiplengthval": 1,
"discountamount": 0,
"termdays": 0,
"personid": "402880955e98a561015e98cfc9d401cf",
"salesPersonName": "",
"salespersonname": "",
"accname": "Trade Debtors",
"isGIROFileGeneratedForUOBBankForReport": false,
"dateinuserformat": "Apr 26, 2018",
"originalInvoice": "",
"termname": "NET 0",
"shippingAddress": "Chennai",
"customercode": "C001",
"salesPerson": "",
"exchangeratefortransaction": 1,
"withoutinventory": false,

```

```

    "date": "April 26, 2018",
    "isRoundingAdjustmentApplied": false,
    "termamount": 0,
    "shippingWebsite": "",
    "taxincluded": false,
    "partialinv": false,
    "companyid": "04575a0c-b33c-11e3-986d-001e670e0001",
    "archive": 0,
    "personemail": "",
    "shipto": "",
    "gtaapplicable": false,
    "isdropshipchecked": false,
    "isapplytaxtoterms": false,
    "duedateInUserDateFormat": "Apr 26, 2018",
    "paymentname": "NA",
    "shippingContactPersonDesignation": "",
    "includeprotax": false,
    "aliasname": "",
    "creditlimitinbase": 0,
    "isTransactionHavingDeactivatedTerms": false,
    "journalentryid": "4028813968e069140168e5830f510023",
    "code": "C001",
    "shippingFax": "",
    "isFromPOS": false,
    "importexportdeclarationno": "",
    "lasteditedby": "Vaibhav Patil",
    "shippingContactPerson": "",
    "parentinvoiceid": "",
    "ispercentdiscount": false,
    "attachment": 0,
    "isEmailSent": false,
    "taxamountinbase": 0,
    "shippingAddContactNo": "",
    "templatename": "Basic Header Template",
    "amount": 399.95,
    "shippingRecipientName": "",
    "currencyname": "SG Dollar (SGD)",
    "shippingPhone": "",
    "isGIROFileGeneratedForUOBBank": "No",
    "additionalMemo": "",
    "sequenceformatid": "",
    "isAllowToEdit": true,
    "billto": "",
    "shippingContactPersonNumber": "",
    "gstapplicable": false,
    "currencyid": "6",
    "personinfo": "Ceena(C001)",
    "billingCity": "",
    "billingPhone": "",
    "salesPersonCode": ""
  }
],
"success": true,
"totalCount": 1
}

```

2 POST/SAVE INVOICE

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

2.1 To Save Sales Invoice

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

e.g: <https://accounting.deskera.com/rest/v1/transaction/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
userdateformat	Optional	User defined date format
termvalue	Required	It is term value given.
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
taxamount	Optional	It is the overall tax amount applied. If tax is applied at product level then pass the value as 0 to this key. Tax value should be given if overall tax is applied.

subTotal	Optional	Overall SubTotal value=(Line Item((rate*quantity)+Disount) applied total)
shipvia	Optional	ship via field value
deliverydate	Optional	Delivery date
salespersonvalue	Optional	Sales Person value
paymentmethodname	Required / Optional	If incash=true then need to define payment method name
paydetail	Required / Optional	If payment method is other than Cash then need to define the cheque details. Refer below JSON details.
memo	Optional	memo field value
isEdit	Required / Optional	If edit case pass this flag as true else dont pass this flag
invoicenumber	Required	User defined invoicenumber else pass empty String. If passed blank t will take default sequenceformat for invoice defined in System Controls.
invoicedetail	Required	It is line Item Details. Please refer below json format.
includeProductTax	Optional	true= If tax is applied at each product level. tax value of overall should be empty String.
incash	Required	incash =true for Cash Sales incash=false for Credit Sales

generatedSource	Required / Optional	0= Web-application Records 1=Mobile web application records Do not pass this key in Edit Mode.This key has to be passed while creating and copying transaction. Default value is set to 0 if key is not passed .
fob	Optional	fob field value
customervalue	Required	Customer code
currencyvalue	Required	Currency code
costcentervalue	Optional	Cost Center value
cdomain	Required	Subdomain of company
invoicedate	Required	Transaction date of record
sequenceformatvalue	Optional	Sequence format
customfield	Optional	Custom field details in JSON format. Refer below JSON details.

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
amount	Required	It is rate*quantity-discount + taxamount

uomvalue	Required	Unit of measure value
discountispercent	Optional	It is the discount type(1= Percentage , 0=Flat)
prdiscount	Optional	Discount value
producttaxvalue	Optional	It is the taxid of the tax applied to product
desc	Optional	Description of Product
taxamount	Optional	It is taxamount applied for tax

2.5 Payment Method Details :

Parameters	Required/Optional	Description
chequenumbers	Required	It is the cheque number
bankname	Required	It is the bank name value
chequedate	Required	Cheque Date
description	Optional	Description if regarding to cheque details
paymentstatus	Optional	By default it is Uncleared else pass Cleared

2.6 Custom field Details :

Parameters	Required/Optional	Description
fieldlabel	Required	Custom field label
value	Required	Custom field value

2.7 Example of Request

Request

```
{
  "username": "admin",
  "termvalue": "",
  "taxvalue": "",
  "taxamount": "0",
  "subTotal": "200",
  "duedate": "Mar 12, 2019 11:30:00 AM",
  "invoicenum": "REST_SI_05",
  "paymentmethodname": "Cheque",
  "paydetail": {
    "chequenum": "00987654321",
    "bankname": "American Express Bank Ltd.",
    "chequedate": "Mar 15, 2019 00:00:00 AM",
    "description": "Description for Cheque",
    "paymentstatus": "Uncleared"
  },
  "invoicedetail": [
    {
      "discountispercent": "",
      "taxamount": "",
      "quantity": "2",
      "uomvalue": "Pcs",
      "rate": "100",
      "discount": "0",
      "desc": "Description1",
      "productvalue": "Test1",
      "producttaxvalue": "",
      "baseuomrate": "1",
      "customfield": [
        { "fieldlabel": "Sub-Branch", "value": "S1" }
      ]
    }
  ],
  "customfield": [
    {
      "fieldlabel": "Global_Text",
      "value": "ABC"
    }
  ],
  "includeprotax": "false",
  "incash": "true",
  "customervalue": "C001",
  "currencyvalue": "SGD",
  "cdomain": "deskera1",
  "invoicedate": "Mar 11, 2019 10:30:00 AM"
}
```

2.8 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	

2.9 Example of Response

Response

```

IfInvoiceissavedwithSequenceFormatNA
{
  "message": "Invoice has been saved successfully.<br/>Document No: <b>SOX7</b>",
  "success": true
}

IfInvoiceissavedwithSequenceFormatID
{
  "message": "Invoice has been saved successfully.<br/>Document No: <b>SA00003SZ</b>",
  "success": true
}

IfInvoiceAlreadyexist
{
  "message": "Invoice Number 'SOX7' already exists.",
  "success": true
}

IfInvaliddata
{
  "message": "Insufficient data.",
  "errorcode": "e01",
  "success": false
}

```

2.10 **DELETE/SALES INVOICE**

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

2.11 To DELETE Sales Invoice

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

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

2.12 Request Method

DELETE

2.13 Parameter

Field	Type	Description
token	String	Authorized token for integration.
request	JSON	Details for deleting Invoices

Parameter	Required/Optional	Description
cdomain	Required	Subdomain of the company
invoiceno	Required	Invoice Number. Multiple invoice numbers can be passed as comma separated numbers.
username	Required	username of the user
deletepermanentflag	Required	false= temporary delete true=permanent delete

2.13.1 Example of Request

Request
<pre>{ "cdomain": "company1", "username": "admin", "invoiceno": "REST_SI_02", "deletepermanentflag": false }</pre>

2.14 Response

Field	Type	Description
Response	JSON	Message after deleting Invoice
Property	Description	
message	Message given after deleting the transaction	
success	true = Transaction is successful false = Transaction is unsuccessful	

2.15 Example of Response

Response

```
If the transaction is not deleted due to any reason it shows response as
{
  "message": "Invoice(s) except  a00012a has been deleted successfully.",
  "linkedTransaction": "a00012a, ",
  "success": true
}

# If deleted it shows response as
{
  "message": "Invoice(s) have been deleted successfully.",
  "linkedTransaction": "",
  "success": true
}
```