

02. BOM (Bill of materials)

Deskera Development Space

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1 GET / BOM Details

Retrieving BOM details of a particular BOM from the application.

1.1 To GET BOM details

<REST API Accounting endpoint>/rest/v1/master/bomdetails

e.g: <https://accounting.deskera.com/rest/v1/master/bomdetails?request={...}&token=A11AZ>

1.2 Request Method

GET

1.3 Request Parameters

Field	Type	Description
token	String	Authorized token for integration.
request	JSON	Company subdomain, product code, BOM code should be passed in JSON.

Param eters	Required/ Optional	Description
cdomain	Required	Company subdomain
productcode	Required	Product Code of an assembly product having BOM
bomcode	Required	BOM Code to get BOM details
currencyvalue	Required	Currency code of currency

Example of Request

```
{
  "cdomain": "mrpus",
  "productvalue": "InvAssemblyID5JUL2019D2",
  "bomCode": "BOMCode5JUL2019D2",
  "currencyvalue": "USD"
}
```

1.4 Response

Field	Type	Description
Response	JSON	JSON Object containing BOM details of a BOM Code.

JSON

Property	Description
data	It contains all the data related to BOM.
id	UUID of a particular BOM whose details are being fetched.
bomcode	BOM Code of a particular BOM whose details are being fetched.
bomname	BOM Name of a particular BOM whose details are being fetched.
isdefaultbom	To identify if the BOM is default BOM or not. 'T' for default BOM.
productcode	Product Code of assembly product in which the BOM is present.
productname	Product Name of assembly product in which the BOM is present.
bomdetails	JSON Array containing BOM details.

bomdetails

Property	Description
subproductcode	Product Code of raw materials / sub-assemblies needed to manufacture end product.

Property	Description
subproductid	Product id of raw materials / sub-assemblies needed to manufacture end product.
subproductname	Product Name of raw materials / sub-assemblies needed to manufacture end product.
productdescription	Description of raw materials / sub-assemblies needed to manufacture end product.
producttype	Product Type of raw materials / sub-assemblies needed to manufacture end product.
purchaseprice	Purchase price of raw materials / sub-assemblies needed to manufacture end product.
salesprice	Sales price of raw materials / sub-assemblies needed to manufacture end product.
quantity	Quantity of raw materials / sub-assemblies needed to manufacture end product.
crate	In case of Co-Product & Scrap, it is percentage of cost of components to be considered to determine the cost of production of Co-Products & Scrap.
componentType	To identify the type of raw materials / sub-assemblies in case of Co-Product & Scrap. 1 - Component, 2 - Co-Product, 3 - Scrap.

Example of Response

```
{
  "msg": "",
  "data": [
    {
      "bomCode": "BOMCode5JUL2019D2",
      "bomid": "402881c96bc131ff016bc2443afd0741",
      "productcode": "InvAssemblyID5JUL2019D2",
      "productid": "402881c96bc131ff016bc2443afc0740",
      "isdefaultbom": true,
      "productname": "InvAssembly5JUL2019D2",
      "bomName": "BOM5JUL2019D2",
      "bomAssemblyDetails": [
        {
          "productid": "402881c96bc131ff016bc23d64020707",
          "availablerecyclequantity": 0,
          "isLocationForProduct": true,
          "hasAccess": true,
          "saleprice": 20,
          "parentBOMID": "402881c96bc131ff016bc2443afd0741",
          "pid": "InvPartID5JUL2019D3",
          "shortfallquantity": 0,
          "minpercentquantity": 100,
          "type": "Inventory Part",
          "genpocheck": false,
          "producttype": "d8a50d12-515c-102d-8de6-001cc0794cfa",
          "genpo": "no",
          "isBinForProduct": false,
          "percentage": 100,
          "ID": "402881c96bc131ff016bc2443afe0742",
          "isRecyclable": false,
          "isBatchForProduct": true,
          "level": 0,
          "wastageInventoryQuantity": 10,
          "isWarehouseForProduct": true,
          "warehouse": "40288095589a3e7701589aa543120184",
          "subbomid": "",
          "parentproductid": "402881c96bc131ff016bc2443afc0740",
          "lockquantity": 0,
          "blockquantity": 0,
          "requiredquantity": 0,
          "recycleQuantity": 0,
          "desc": "Product Created: 5JUL2019",
          "productcode": "InvPartID5JUL2019D3",
          "orderquantity": 0,
          "wastageQuantity": 0,
          "uomname": "Unit",
          "uomid": "40288095589a3e7701589aa426c90082",
          "isRackForProduct": false,
          "actualquantity": 10,
          "availQtyofdefaultlocwarehouse": 453,
          "inventoryquantity": 10,
          "productname": "InvPart5JUL2019D3",

```

```

    "outstandingquantity": 0,
    "wastageQuantityType": 0,
    "isSerialForProduct": false,
    "subbomcode": "",
    "componentType": "Component",
    "quantity": 10,
    "onhand": 906,
    "crate": 0,
    "isRowForProduct": false,
    "purchaseprice": 0,
    "availablequantity": 906,
    "isWastageApplicable": false,
    "location": "3bd931ee-95c0-45b0-bd1f-aa7fa4c81d"
  },
  {
    "productid": "402881c96bc131ff016bc23e25c10711",
    "availablerecyclequantity": 0,
    "isLocationForProduct": true,
    "hasAccess": true,
    "saleprice": 20,
    "parentBOMID": "402881c96bc131ff016bc2443afd0741",
    "pid": "InvPartID5JUL2019D4",
    "shortfallquantity": 0,
    "minpercentquantity": 100,
    "type": "Inventory Part",
    "genpocheck": false,
    "producttype": "d8a50d12-515c-102d-8de6-001cc0794cfa",
    "genpo": "no",
    "isBinForProduct": false,
    "percentage": 100,
    "ID": "402881c96bc131ff016bc2443b000743",
    "isRecyclable": false,
    "isBatchForProduct": false,
    "level": 0,
    "wastageInventoryQuantity": 10,
    "isWarehouseForProduct": true,
    "warehouse": "40288095589a3e7701589aa543120184",
    "subbomid": "",
    "parentproductid": "402881c96bc131ff016bc2443afc0740",
    "lockquantity": 0,
    "blockquantity": 0,
    "requiredquantity": 0,
    "recycleQuantity": 0,
    "desc": "Product Created: 5JUL2019",
    "productcode": "InvPartID5JUL2019D4",
    "orderquantity": 0,
    "wastageQuantity": 0,
    "uomname": "Unit",
    "uomid": "40288095589a3e7701589aa426c90082",
    "isRackForProduct": false,
    "actualquantity": 10,
    "availQtyofdefaultlocwarehouse": 908,
    "inventoryquantity": 10,
    "productname": "InvPart5JUL2019D4",
    "outstandingquantity": 0,
  }

```

```

    "wastageQuantityType": 0,
    "isSerialForProduct": false,
    "subbomcode": "",
    "componentType": "Component",
    "quantity": 10,
    "onhand": 908,
    "crate": 0,
    "isRowForProduct": false,
    "purchaseprice": 0,
    "availablequantity": 908,
    "isWastageApplicable": false,
    "location": "3bd931ee-95c0-45b0-bd1f-aa7fa4c81d"
  },
  {
    "productid": "402881c96bc131ff016bc23f43a3071a",
    "availablequantity": 0,
    "isLocationForProduct": true,
    "hasAccess": true,
    "saleprice": 20,
    "parentBOMID": "402881c96bc131ff016bc2443afd0741",
    "pid": "InvPartID5JUL2019D5",
    "shortfallquantity": 0,
    "minpercentquantity": 0,
    "type": "Inventory Part",
    "genpocheck": false,
    "producttype": "d8a50d12-515c-102d-8de6-001cc0794cfa",
    "genpo": "no",
    "isBinForProduct": false,
    "percentage": 100,
    "ID": "402881c96bc131ff016bc2443b020744",
    "isRecyclable": false,
    "isBatchForProduct": true,
    "level": 0,
    "wastageInventoryQuantity": 3,
    "isWarehouseForProduct": true,
    "warehouse": "40288095589a3e7701589aa543120184",
    "subbomid": "",
    "parentproductid": "402881c96bc131ff016bc2443afc0740",
    "lockquantity": 0,
    "blockquantity": 0,
    "requiredquantity": 0,
    "recycleQuantity": 0,
    "desc": "Product Created: 5JUL2019",
    "productcode": "InvPartID5JUL2019D5",
    "orderquantity": 0,
    "wastageQuantity": 0,
    "uomname": "Unit",
    "uomid": "40288095589a3e7701589aa426c90082",
    "isRackForProduct": false,
    "actualquantity": 3,
    "availQtyofdefaultlocwarehouse": 525,
    "inventoryquantity": 3,
    "productname": "InvPart5JUL2019D5",
    "outstandingquantity": 0,
    "wastageQuantityType": 0,
  }

```

```

    "isSerialForProduct": false,
    "subbomcode": "",
    "componentType": "Co-Product",
    "quantity": 3,
    "onhand": 1025,
    "crate": 10,
    "isRowForProduct": false,
    "purchaseprice": 0,
    "availablequantity": 1025,
    "isWastageApplicable": false,
    "location": "3bd931ee-95c0-45b0-bd1f-aa7fa4c81d"
  },
  {
    "productid": "402881c96bc131ff016bc240049b0726",
    "availablequantity": 0,
    "isLocationForProduct": true,
    "hasAccess": true,
    "saleprice": 20,
    "parentBOMID": "402881c96bc131ff016bc2443afd0741",
    "pid": "InvPartID5JUL2019D6",
    "shortfallquantity": 0,
    "minpercentquantity": 0,
    "type": "Inventory Part",
    "genpocheck": false,
    "producttype": "d8a50d12-515c-102d-8de6-001cc0794cfa",
    "genpo": "no",
    "isBinForProduct": false,
    "percentage": 100,
    "ID": "402881c96bc131ff016bc2443b030745",
    "isRecyclable": false,
    "isBatchForProduct": false,
    "level": 0,
    "wastageInventoryQuantity": 3,
    "isWarehouseForProduct": true,
    "warehouse": "40288095589a3e7701589aa543120184",
    "subbomid": "",
    "parentproductid": "402881c96bc131ff016bc2443afc0740",
    "lockquantity": 0,
    "blockquantity": 0,
    "requiredquantity": 0,
    "recycleQuantity": 0,
    "desc": "Product Created: 5JUL2019",
    "productcode": "InvPartID5JUL2019D6",
    "orderquantity": 0,
    "wastageQuantity": 0,
    "uomname": "Unit",
    "uomid": "40288095589a3e7701589aa426c90082",
    "isRackForProduct": false,
    "actualquantity": 3,
    "availQtyofdefaultlocwarehouse": 1025,
    "inventoryquantity": 3,
    "productname": "InvPart5JUL2019D6",
    "outstandingquantity": 0,
    "wastageQuantityType": 0,
    "isSerialForProduct": false,

```

```

    "subbomcode": "",
    "componentType": "Co-Product",
    "quantity": 3,
    "onhand": 1025,
    "crate": 10,
    "isRowForProduct": false,
    "purchaseprice": 0,
    "availablequantity": 1025,
    "isWastageApplicable": false,
    "location": "3bd931ee-95c0-45b0-bd1f-aafa7fa4c81d"
  },
  {
    "productid": "402881c96bc131ff016bc24125d1072e",
    "availablerecyclequantity": 0,
    "isLocationForProduct": true,
    "hasAccess": true,
    "saleprice": 20,
    "parentBOMID": "402881c96bc131ff016bc2443afd0741",
    "pid": "InvPartID5JUL2019D7",
    "shortfallquantity": 0,
    "minpercentquantity": 0,
    "type": "Inventory Part",
    "genpocheck": false,
    "producttype": "d8a50d12-515c-102d-8de6-001cc0794cfa",
    "genpo": "no",
    "isBinForProduct": false,
    "percentage": 100,
    "ID": "402881c96bc131ff016bc2443b050746",
    "isRecyclable": false,
    "isBatchForProduct": true,
    "level": 0,
    "wastageInventoryQuantity": 2,
    "isWarehouseForProduct": true,
    "warehouse": "40288095589a3e7701589aa543120184",
    "subbomid": "",
    "parentproductid": "402881c96bc131ff016bc2443afc0740",
    "lockquantity": 0,
    "blockquantity": 0,
    "requiredquantity": 0,
    "recycleQuantity": 0,
    "desc": "Product Created: 5JUL2019",
    "productcode": "InvPartID5JUL2019D7",
    "orderquantity": 0,
    "wastageQuantity": 0,
    "uomname": "Unit",
    "uomid": "40288095589a3e7701589aa426c90082",
    "isRackForProduct": false,
    "actualquantity": 2,
    "availQtyofdefaultlocwarehouse": 500,
    "inventoryquantity": 2,
    "productname": "InvPart5JUL2019D7",
    "outstandingquantity": 0,
    "wastageQuantityType": 0,
    "isSerialForProduct": false,
    "subbomcode": ""
  }

```

```

    "componentType": "Scrap",
    "quantity": 2,
    "onhand": 1000,
    "crate": 5,
    "isRowForProduct": false,
    "purchaseprice": 0,
    "availablequantity": 1000,
    "isWastageApplicable": false,
    "location": "3bd931ee-95c0-45b0-bd1f-aafa7fa4c81d"
  },
  {
    "productid": "402881c96bc131ff016bc241e7df0738",
    "availablerecyclequantity": 0,
    "islocationForProduct": true,
    "hasAccess": true,
    "saleprice": 20,
    "parentBOMID": "402881c96bc131ff016bc2443afd0741",
    "pid": "InvPartID5JUL2019D8",
    "shortfallquantity": 0,
    "minpercentquantity": 0,
    "type": "Inventory Part",
    "genpocheck": false,
    "producttype": "d8a50d12-515c-102d-8de6-001cc0794cfa",
    "genpo": "no",
    "isBinForProduct": false,
    "percentage": 100,
    "ID": "402881c96bc131ff016bc2443b070747",
    "isRecyclable": false,
    "isBatchForProduct": false,
    "level": 0,
    "wastageInventoryQuantity": 2,
    "isWarehouseForProduct": true,
    "warehouse": "40288095589a3e7701589aa543120184",
    "subbomid": "",
    "parentproductid": "402881c96bc131ff016bc2443afc0740",
    "lockquantity": 0,
    "blockquantity": 0,
    "requiredquantity": 0,
    "recycleQuantity": 0,
    "desc": "Product Created: 5JUL2019",
    "productcode": "InvPartID5JUL2019D8",
    "orderquantity": 0,
    "wastageQuantity": 0,
    "uomname": "Unit",
    "uomid": "40288095589a3e7701589aa426c90082",
    "isRackForProduct": false,
    "actualquantity": 2,
    "availQtyofdefaultlocwarehouse": 1015,
    "inventoryquantity": 2,
    "productname": "InvPart5JUL2019D8",
    "outstandingquantity": 0,
    "wastageQuantityType": 0,
    "isSerialForProduct": false,
    "subbomcode": "",
    "componentType": "Scrap",
  }

```

```
        "quantity": 2,  
        "onhand": 1015,  
        "crate": 5,  
        "isRowForProduct": false,  
        "purchaseprice": 0,  
        "availablequantity": 1015,  
        "isWastageApplicable": false,  
        "location": "3bd931ee-95c0-45b0-bd1f-aafa7fa4c81d"  
    },  
    ],  
    "isAutoAssembly": false  
}  
],  
"success": true,  
"count": 1  
}
```