

API for Service Master Data v1 (Direct Sales)

Overview

API General Info

Response Content Type

It is possible to switch between `json` and `xml` response types by setting an `Accept` header to either `application/json` or `application/xml` respectively.

Successful Responses

Response Codes

- **200** - The request was executed successfully and the server returned some data. The return content type is specified inside a response header called `content-type`. Example content types are `application/xml`, `application/json`, `application/zip` and `text/plain`.
- **204** - The request was executed successfully and the server returned no data. If the `Location` header was present then the server responded with a redirect.

Error Responses

If the API call resulted in an error then the error code will be returned along with the error object in the response body. The error object contains the attributes listed below:

- **type** - type of the error
- **cause** - the root cause of the error
- **message** - message containing details of the related error
- **uuid** - a unique identifier of the error which also may appear in the exception logs
- **timestamp** - the time of the error

Note: For chunked responses, the socket will be closed prematurely if an error occurs after the initial chunk containing the status code has been sent.

Response Codes

- **400** - The request contains invalid parameters or there are invalid settings. Consult the error message and/or check Administration for invalid settings.
- **401** - The user is not authenticated.
- **403** - The user is not authorized access to the specified endpoint.
- **404** - The specified endpoint does not exist or a request parameter is invalid. Consult the error message.
- **405** - The specified endpoint does not support the requested operation. Consult the error message.
- **409** - The specified endpoint is in a state incompatible with the requested operation. Consult the error message.
- **500** - Unknown error occurred while processing the request. Consult the CPQ logs for more information.
- **504** - The specified concurrent calls limit was exceeded and the server was not able to serve the response in a specified timeout limit. That error is always served with the xml body containing the description.

Endpoints by Category

Bulk Operations

PUT /api/servicemasterdata/v1/bulk-upsert?body=[bulkData]

Create or Update a Set of Service Master Data objects.

Parameter	Type	Description
body	BulkData	The objects to update.
<i>Result</i>	Empty	

Product Tables

GET /api/servicemasterdata/v1/product-table/list?offset=[offset]&limit=[limit]

Return ProductTable objects by list.

Parameter	Type	Description
offset	Integer (Optional)	The offset to the first result that you want to receive. Default value is 0.
limit	Integer (Optional)	The maximum number of results that you want to receive. Max number is 1000. Default value is 10.

Parameter	Type	Description
<i>Result</i>	ProductTableListResult	ProductTable for the account.

GET /api/servicemasterdata/v1/product-table

Return at most 1000 ProductTable objects. To fetch more items use the list request.

Parameter	Type	Description
<i>Result</i>	List< ProductTable >	ProductTable list.

POST /api/servicemasterdata/v1/product-table?body=[table]

Post a new ProductTable object.

Parameter	Type	Description
body	ProductTable	The ProductTable object to create.
<i>Result</i>	Empty	

PUT /api/servicemasterdata/v1/product-table?body=[table]

Update a ProductTable object.

Parameter	Type	Description
body	ProductTable	The ProductTable object to update.
<i>Result</i>	Empty	

GET /api/servicemasterdata/v1/product-table/[id]

Get a single ProductTable object for the given id.

Parameter	Type	Description
id	String	The ProductTable id.
<i>Result</i>	ProductTable	The ProductTable object.

DELETE /api/servicemasterdata/v1/product-table/[id]

Delete a single ProductTable object for the given id.

Parameter	Type	Description
id	String	The ProductTable id.
<i>Result</i>	Empty	

Service Parts

GET /api/servicemasterdata/v1/part/list?offset=[offset]&limit=[limit]

Return ServicePart objects by list.

Parameter	Type	Description
offset	Integer (Optional)	The offset to the first result that you want to receive. Default value is 0.
limit	Integer (Optional)	The maximum number of results that you want to receive. Max number is 1000. Default value is 10.
<i>Result</i>	ServicePartListResult	ServiceParts for the account.

GET /api/servicemasterdata/v1/part

Return at most 1000 ServicePart objects. To fetch more items use the list request.

Parameter	Type	Description
<i>Result</i>	List< ServicePart >	ServicePart list.

POST /api/servicemasterdata/v1/part?body=[servicePart]

Post a new ServicePart object.

Parameter	Type	Description
body	ServicePart	The ServicePart object to create.
<i>Result</i>	Empty	

PUT /api/servicemasterdata/v1/part?body=[servicePart]

Update a ServicePart object.

Parameter	Type	Description
body	ServicePart	The ServicePart object to update.
<i>Result</i>	Empty	

GET /api/servicemasterdata/v1/part/[id]

Get a single ServicePart object for the given id.

Parameter	Type	Description
id	String	The ServicePart id.
<i>Result</i>	ServicePart	The ServicePart object.

DELETE /api/servicemasterdata/v1/part/[id]

Delete a single ServicePart object for the given id.

Parameter	Type	Description
id	String	The ServicePart id.
<i>Result</i>	Empty	

Service Price Lists

GET /api/servicemasterdata/v1/pricelist/list?offset=[offset]&limit=[limit]

Return ServicePriceList objects by list.

Parameter	Type	Description
offset	Integer (Optional)	The offset to the first result that you want to receive. Default value is 0.
limit	Integer (Optional)	The maximum number of results that you want to receive. Max number is 1000. Default value is 10.

Parameter	Type	Description
<i>Result</i>	ServicePriceListResult	ServicePriceLists for the account.

GET /api/servicemasterdata/v1/pricelist

Return at most 1000 ServicePriceList objects. To fetch more items use the list request.

Parameter	Type	Description
<i>Result</i>	List< ServicePriceList >	ServicePriceList list.

POST /api/servicemasterdata/v1/pricelist?body=[pricelist]

Post a new ServicePriceList object.

Parameter	Type	Description
body	ServicePriceList	The ServicePriceList object to create.
<i>Result</i>	Empty	

PUT /api/servicemasterdata/v1/pricelist?body=[pricelist]

Update a ServicePriceList object.

Parameter	Type	Description
body	ServicePriceList	The ServicePriceList object to update.
<i>Result</i>	Empty	

GET /api/servicemasterdata/v1/pricelist/[id]

Get a single ServicePriceList object for the given id.

Parameter	Type	Description
id	String	The ServicePriceList id.
<i>Result</i>	ServicePriceList	The ServicePriceList object.

DELETE /api/servicemasterdata/v1/pricelist/[id]

Delete a single ServicePriceList object for the given id.

Parameter	Type	Description
id	String	The ServicePriceList id.
<i>Result</i>	Empty	

Service Tasks

GET /api/servicemasterdata/v1/task/list?offset=[offset]&limit=[limit]

Return ServiceTask objects by list.

Parameter	Type	Description
offset	Integer (Optional)	The offset to the first result that you want to receive. Default value is 0.
limit	Integer (Optional)	The maximum number of results that you want to receive. Max number is 1000. Default value is 10.
<i>Result</i>	ServiceTaskListResult	ServiceTasks for the account.

GET /api/servicemasterdata/v1/task

Return at most 1000 ServiceTask objects. To fetch more items use the list request.

Parameter	Type	Description
<i>Result</i>	List< ServiceTask >	ServiceTask list.

POST /api/servicemasterdata/v1/task?body=[serviceTask]

Post a new ServiceTask object.

Parameter	Type	Description
body	ServiceTask	The ServiceTask object to create.
<i>Result</i>	Empty	

PUT /api/servicemasterdata/v1/task?body=[serviceTask]

Update a ServiceTask object.

Parameter	Type	Description
body	ServiceTask	The ServiceTask object to update.
<i>Result</i>	Empty	

GET /api/servicemasterdata/v1/task/[id]

Get a single ServiceTask object for the given id.

Parameter	Type	Description
id	String	The ServiceTask id.
<i>Result</i>	ServiceTask	The ServiceTask object.

DELETE /api/servicemasterdata/v1/task/[id]

Delete a single ServiceTask object for the given id.

Parameter	Type	Description
id	String	The ServiceTask id.
<i>Result</i>	Empty	

Data Types by Category

Bulk Operations

BulkData

```
{
  "serviceTasks" : [
    {
      "id" : "",
      "description" : "",
      "trade" : "",
      "taskCategory" : "",
      "estimatedMinutes" : 1,
      "estimatedDownTime" : 1,
      "attributes" : {
        "key" : ""
      },
      "materials" : [
        {
          "id" : "",
          "quantity" : 1
        },
        ...
      ]
    },
    ...
  ],
  "serviceParts" : [
    {
      "id" : "",
      "description" : "",
      "priceCategory" : "",
      "attributes" : {
        "key" : ""
      }
    },
    ...
  ]
}
```

Product Tables

ProductTable

JSON XML

```
{
  "id" : "",
  "rows" : [
    {
      "id" : "",
      "description" : "",
      "features" : {
        "key" : ""
      }
    },
    ...
  ]
}
```

ProductTableListResult

JSON XML

```
{
  "offset" : 1,
  "limit" : 1,
  "hasNext" : false,
  "items" : [
    {
      "id" : "",
      "rows" : [
        {
          "id" : "",
          "description" : "",
          "features" : {
            "key" : ""
          }
        },
        ...
      ]
    },
    ...
  ]
}
```

Service Parts

ServicePart

JSON XML

```
{
  "id" : "",
  "description" : "",
  "priceCategory" : "",
  "attributes" : {
    "key" : ""
  }
}
```

ServicePartListResult

JSON XML

```
{
  "offset" : 1,
  "limit" : 1,
  "hasNext" : false,
  "items" : [
    {
      "id" : "",
      "description" : "",
      "priceCategory" : "",
      "attributes" : {
        "key" : ""
      }
    },
    ...
  ]
}
```

Service Price Lists

ServicePriceList

JSON XML

```
{
  "id" : "",
  "description" : "",
  "prices" : [
    {
      "id" : "",
      "value" : 1.0,
      "currency" : ""
    },
    ...
  ]
}
```

ServicePriceListResult

JSON XML

```
{
  "offset" : 1,
  "limit" : 1,
  "hasNext" : false,
  "items" : [
    {
      "id" : "",
      "description" : "",
      "prices" : [
        {
          "id" : "",
          "value" : 1.0,
          "currency" : ""
        },
        ...
      ]
    },
    ...
  ]
}
```

Service Tasks

ServiceTask

JSON XML

```
{
  "id" : "",
  "description" : "",
  "trade" : "",
  "taskCategory" : "",
  "estimatedMinutes" : 1,
  "estimatedDowntime" : 1,
  "attributes" : {
    "key" : ""
  },
  "materials" : [
    {
      "id" : "",
      "quantity" : 1
    },
    ...
  ]
}
```

ServiceTaskListResult

```
{
  "offset" : 1,
  "limit" : 1,
  "hasNext" : false,
  "items" : [
    {
      "id" : "",
      "description" : "",
      "trade" : "",
      "taskCategory" : "",
      "estimatedMinutes" : 1,
      "estimatedDownTime" : 1,
      "attributes" : {
        "key" : ""
      },
      "materials" : [
        {
          "id" : "",
          "quantity" : 1
        },
        ...
      ]
    },
    ...
  ]
}
```