

# API for Category Pricing v1 (Direct Sales)

---

## Overview

---

API for retrieving the Category Pricing grid for an object.

## 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

---

### Category Pricing

---

#### **GET /api/categorypricing/v1/[type]/[id]/pricing-grid**

---

Retrieve the current Category Pricing grid for an object. The data is aggregated by years. All prices are in base currency.

| Parameter     | Type                        | Description   |
|---------------|-----------------------------|---|
| type          | String                      | The type of object, either Solution or ConfiguredService. |
| id            | String                      | The weak id of the object.                                |
| <i>Result</i> | <a href="#">PricingGrid</a> |   |

#### **GET /api/categorypricing/v1/[type]/[id]/pricing-per-product?details=[details]&costs=[costs]**

---

Retrieve the current Category Pricing grid for a Configured Service. The data is aggregated by products. All prices are in base currency.

| Parameter | Type   | Description  |
|-----------|--------|--|
| type      | String | The type of the resource, only "ConfiguredService" is supported. |
| id        | String | The weak id of the object.                                       |

| Parameter     | Type                        | Description   |
|---------------|-----------------------------|---|
| costs         | Boolean<br>(Optional)       | Specifies whether cost data is included. Optional. Available values: true, false. Default is false. If true then a new block with cost data is added to the grid. The block is formatted in the same way as the main price block. |
| details       | Boolean<br>(Optional)       | Specifies whether distribution per asset group for each product is included. Optional. Available values: true, false. Default is false.   |
| <i>Result</i> | <a href="#">PricingGrid</a> |   |

**GET /api/categorypricing/v1/[type]/[id]/pricing-per-group?details=[details]&costs=[costs]**

Retrieve the current Category Pricing grid for a Configured Service. The data is aggregated by asset group. All prices are in base currency.

| Parameter     | Type                        | Description   |
|---------------|-----------------------------|---|
| type          | String                      | The type of the object, only "ConfiguredService" is supported.  |
| id            | String                      | The weak id of the object.  |
| costs         | Boolean<br>(Optional)       | Specifies whether cost data is included. Optional. Available values: true, false. Default is false. If true then a new block with cost data is added to the grid. The block is formatted in the same way as the main price block. |
| details       | Boolean<br>(Optional)       | Specifies whether distribution per product for each asset group is included. Optional. Available values: true, false. Default is false.   |
| <i>Result</i> | <a href="#">PricingGrid</a> |   |

## Data Types by Category

## Category Pricing

---

## PricingGrid

---

```
{
  "columns" : [
    {
      "name" : "",
      "title" : {
        "defaultValue" : "",
        "translations" : {
          "key" : ""
        }
      }
    },
    "subColumns" : [
      {
        "name" : "",
        "title" : {
          "defaultValue" : "",
          "translations" : {
            "key" : ""
          }
        }
      },
      ...
    ]
  },
  ...
],
"blocks" : [
  {
    "summaryBlock" : false,
    "name" : "",
    "rows" : [
      {
        "name" : "",
        "title" : {
          "defaultValue" : "",
          "translations" : {
            "key" : ""
          }
        }
      },
      "type" : "",
      "parent" : "",
      "cells" : [
        {
          "column" : "",
          "value" : ""
        },
        ...
      ]
    ]
  }
]
```

```
    },  
    ...  
  ]  
  },  
  ...  
]  
}
```