

API for Subscription Pricing (Administration)

Overview

An API to post, put, get and delete [subscription pricing](#) data. This API is an optional feature activated with the [license](#).

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

Subscription Charge

GET /api/subscription-pricing/v1/[ticketId]/charge/list

Retrieve all subscription charges defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
<i>Result</i>	GetSubscriptionPricingChargeListOutput	A list of subscription charge resources

GET /api/subscription-pricing/v1/[ticketId]/charge/[id]

Retrieves a subscription charge defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the subscription charge resource

Parameter	Type	Description
<i>Result</i>	GetSubscriptionPricingChargeOutput	The subscription charge resource

GET /api/subscription-pricing/v1/[ticketId]/charge?name=[name]

Retrieves a subscription charge defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
name	String	The name of the subscription charge resource
<i>Result</i>	GetSubscriptionPricingChargeOutput	The subscription charge resource

POST /api/subscription-pricing/v1/[ticketId]/charge/list?input=[input]

Create, update or delete subscription charges defined in the ticket. Posted charges not already present will be created, posted existing charges will be updated keeping their original ids and not posted existing charges will be deleted if the optional remove-not-replaced value is true.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostSubscriptionPricingChargeListInput	The list of subscription charges to update all existing subscription charges with
<i>Result</i>	PostSubscriptionPricingChargeListOutput	A list of named charge references

POST /api/subscription-pricing/v1/[ticketId]/charge?input=[input]

Create or update a subscription charge defined in the ticket. Posted charge not already present will be created, posted existing charge will be updated keeping its original id.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostSubscriptionPricingChargeInput	The subscription charge to create or update
<i>Result</i>	PostSubscriptionPricingChargeOutput	The named charge reference

PUT /api/subscription-pricing/v1/[ticketId]/charge/[id]?input=[input]

Update a subscription charge defined in the ticket.

If the supplied reference cannot be resolved the operation will fail. It is therefore important to create the referenced resource first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the target subscription charge resource
input	PutSubscriptionPricingChargeInput	The subscription charge to update
<i>Result</i>	PutSubscriptionPricingChargeOutput	The named charge reference

DELETE /api/subscription-pricing/v1/[ticketId]/charge/list?input=[input]

Delete subscription charges defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	DeleteSubscriptionPricingChargeListInput	The list of subscription charge named references to delete
<i>Result</i>	DeleteSubscriptionPricingChargeListOutput	A list of deleted charge named references

DELETE /api/subscription-pricing/v1/[ticketId]/charge/[id]

Delete a subscription charge defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The id of the charge to delete
<i>Result</i>	DeleteSubscriptionPricingChargeOutput	The deleted charge named reference

DELETE /api/subscription-pricing/v1/[ticketId]/charge?name=[name]

Delete a subscription charge defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket

Parameter	Type	Description
name	String	The name of the charge to delete
<i>Result</i>	DeleteSubscriptionPricingChargeOutput	The deleted charge named reference

Subscription Parameter

GET /api/subscription-pricing/v1/[ticketId]/parameter/list

Retrieve all subscription parameters defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
<i>Result</i>	GetSubscriptionPricingParameterListOutput	A list of subscription parameter resources

GET /api/subscription-pricing/v1/[ticketId]/parameter/[id]

Retrieves a subscription parameter defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the subscription parameter resource
<i>Result</i>	GetSubscriptionPricingParameterOutput	The subscription

Parameter	Type	Description
		parameter resource

GET /api/subscription-pricing/v1/[ticketId]/parameter?name=[name]

Retrieves a subscription parameter defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
name	String	The name of the subscription parameter resource
<i>Result</i>	GetSubscriptionPricingParameterOutput	The subscription parameter resource

POST /api/subscription-pricing/v1/[ticketId]/parameter/list?input=[input]

Create, update or delete subscription parameters defined in the ticket. Posted parameters not already present will be created, posted existing parameters will be updated keeping their original ids and not posted existing parameters will be deleted if the optional remove-not-replaced value is true.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostSubscriptionPricingParameterListInput	The list of subscription parameters to update all existing subscription

Parameter	Type	Description
		parameters with
<i>Result</i>	PostSubscriptionPricingParameterListOutput	A list of subscription parameter named references

POST /api/subscription-pricing/v1/[ticketId]/parameter?input=[input]

Create or update a subscription parameter defined in the ticket. Posted parameter not already present will be created, posted existing parameter will be updated keeping its original id.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostSubscriptionPricingParameterInput	The subscription parameter to create or update
<i>Result</i>	PostSubscriptionPricingParameterOutput	The named parameter reference

PUT /api/subscription-pricing/v1/[ticketId]/parameter/[id]?input=[input]

Update a subscription parameter defined in the ticket.

If the supplied reference cannot be resolved the operation will fail. It is therefore important to create the referenced resource first.

Parameter	Type	Description
ticketId	String	The identity of the ticket

Parameter	Type	Description
id	String	The identity of the target subscription parameter resource
input	PutSubscriptionPricingParameterInput	The subscription parameter to update
<i>Result</i>	PutSubscriptionPricingParameterOutput	The named parameter reference

DELETE /api/subscription-pricing/v1/[ticketId]/parameter/list?input=[input]

Delete subscription parameters defined in a ticket. Posted existing parameters will be deleted

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	DeleteSubscriptionPricingParameterListInput	The list of subscription parameters to be deleted
<i>Result</i>	DeleteSubscriptionPricingParameterListOutput	A list of deleted subscription parameter named references

DELETE /api/subscription-pricing/v1/[ticketId]/parameter/[id]

Delete a subscription parameter defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The id of the parameter to delete
<i>Result</i>	DeleteSubscriptionPricingParameterOutput	The deleted parameter named reference

DELETE /api/subscription-pricing/v1/[ticketId]/parameter?name=[name]

Delete a subscription parameter defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
name	String	The name of the parameter to delete
<i>Result</i>	DeleteSubscriptionPricingParameterOutput	The deleted parameter named reference

Data Types by Category

Subscription Charge

DeleteSubscriptionPricingChargeListInput

A delete subscription charge list input.

JSON XML

```
{
  "subscriptionPricingChargeNamedReferenceList" : [
    {
      "id" : "", // The subscription charge resource id.
      "name" : "" // The subscription charge name.
    },
    ...
  ] // The subscription charge named reference list.
}
```

DeleteSubscriptionPricingChargeListOutput

A delete subscription charge list output.

JSON XML

```
{
  "subscriptionPricingChargeNamedReferenceList" : [
    {
      "id" : "", // The subscription charge resource id.
      "name" : "" // The subscription charge name.
    },
    ...
  ] // The subscription charge named reference list.
}
```

DeleteSubscriptionPricingChargeOutput

Delete subscription charge output.

JSON XML

```
{
  "subscriptionPricingChargeNamedReference" : {
    "id" : "", // The subscription charge resource id.
    "name" : "" // The subscription charge name.
  } // The subscription charge named reference.
}
```

GetSubscriptionPricingChargeListOutput

A get subscription charge resource list output.

```
{
  "subscriptionPricingChargeResourceList" : [
    {
      "subscriptionPricingChargeReference" : {
        "id" : "" // The subscription charge resource id.
      }, // The subscription charge reference.
      "subscriptionPricingCharge" : {
        "name" : "", // The subscription charge name.
        "type" : "", // The subscription charge type. Allowed values
        "recurrence" : "", // The subscription charge recurrence. Al
        "model" : "", // The subscription charge model. Allowed valu
        "subscriptionPricingParameterResource" : {
          "subscriptionPricingParameterReference" : {
            "id" : "" // The subscription parameter resource id.
          }, // The subscription parameter reference.
          "subscriptionPricingParameter" : {
            "name" : "", // The subscription parameter name.
            "type" : "", // The subscription parameter type. Allowed
            "contextAttribute" : "", // (Optional) The subscription
            "staticValue" : 1.0 // (Optional) The subscription param
          } // The subscription parameter.
        } // The subscription parameter resource. Required if model
      } // The subscription charge.
    },
    ...
  ] // The subscription charge resource list.
}
```

GetSubscriptionPricingChargeOutput

A get subscription charge resource output.

JSON XML

```
{
  "subscriptionPricingChargeResource" : {
    "subscriptionPricingChargeReference" : {
      "id" : "" // The subscription charge resource id.
    }, // The subscription charge reference.
    "subscriptionPricingCharge" : {
      "name" : "", // The subscription charge name.
      "type" : "", // The subscription charge type. Allowed values:
      "recurrence" : "", // The subscription charge recurrence. Allowed values:
      "model" : "", // The subscription charge model. Allowed values:
      "subscriptionPricingParameterResource" : {
        "subscriptionPricingParameterReference" : {
          "id" : "" // The subscription parameter resource id.
        }, // The subscription parameter reference.
        "subscriptionPricingParameter" : {
          "name" : "", // The subscription parameter name.
          "type" : "", // The subscription parameter type. Allowed values:
          "contextAttribute" : "", // (Optional) The subscription parameter context attribute.
          "staticValue" : 1.0 // (Optional) The subscription parameter static value.
        } // The subscription parameter.
      } // The subscription parameter resource. Required if model equals 'RECURRING'.
    } // The subscription charge.
  } // The subscription charge resource.
}
```

PostSubscriptionPricingChargeInput

A post subscription charge input.

JSON XML

```
{
  "subscriptionPricingCharge" : {
    "name" : "", // The subscription charge name.
    "type" : "", // The subscription charge type. Allowed values: ot
    "recurrence" : "", // The subscription charge recurrence. Allowe
    "model" : "", // The subscription charge model. Allowed values:
    "subscriptionPricingParameterResource" : {
      "subscriptionPricingParameterReference" : {
        "id" : "" // The subscription parameter resource id.
      }, // The subscription parameter reference.
      "subscriptionPricingParameter" : {
        "name" : "", // The subscription parameter name.
        "type" : "", // The subscription parameter type. Allowed val
        "contextAttribute" : "", // (Optional) The subscription para
        "staticValue" : 1.0 // (Optional) The subscription parameter
      } // The subscription parameter.
    } // The subscription parameter resource. Required if model equa
  } // The subscription charge.
}
```

PostSubscriptionPricingChargeListInput

A post subscription charge list input.

JSON XML

```
{
  "subscriptionPricingChargeList" : [
    {
      "name" : "", // The subscription charge name.
      "type" : "", // The subscription charge type. Allowed values:
      "recurrence" : "", // The subscription charge recurrence. Allowed values:
      "model" : "", // The subscription charge model. Allowed values:
      "subscriptionPricingParameterResource" : {
        "subscriptionPricingParameterReference" : {
          "id" : "" // The subscription parameter resource id.
        }, // The subscription parameter reference.
        "subscriptionPricingParameter" : {
          "name" : "", // The subscription parameter name.
          "type" : "", // The subscription parameter type. Allowed values:
          "contextAttribute" : "", // (Optional) The subscription parameter context attribute.
          "staticValue" : 1.0 // (Optional) The subscription parameter static value.
        } // The subscription parameter.
      } // The subscription parameter resource. Required if model equals 'reference'.
    },
    ...
  ], // The subscription charge list.
  "removeNotReplaced" : false // (Optional) Set to true to remove existing charges.
}
```

PostSubscriptionPricingChargeListOutput

A post subscription charge named reference list output.

JSON XML

```
{
  "subscriptionPricingChargeNamedReferenceList" : [
    {
      "id" : "", // The subscription charge resource id.
      "name" : "" // The subscription charge name.
    },
    ...
  ] // The subscription charge named reference list.
}
```

PostSubscriptionPricingChargeOutput

A post subscription charge output.

JSON XML

```
{
  "subscriptionPricingChargeNamedReference" : {
    "id" : "", // The subscription charge resource id.
    "name" : "" // The subscription charge name.
  } // The subscription charge reference.
}
```

PutSubscriptionPricingChargeInput

A put subscription charge input.

JSON XML

```
{
  "subscriptionPricingCharge" : {
    "name" : "", // The subscription charge name.
    "type" : "", // The subscription charge type. Allowed values: ot
    "recurrence" : "", // The subscription charge recurrence. Allowe
    "model" : "", // The subscription charge model. Allowed values:
    "subscriptionPricingParameterResource" : {
      "subscriptionPricingParameterReference" : {
        "id" : "" // The subscription parameter resource id.
      }, // The subscription parameter reference.
      "subscriptionPricingParameter" : {
        "name" : "", // The subscription parameter name.
        "type" : "", // The subscription parameter type. Allowed val
        "contextAttribute" : "", // (Optional) The subscription para
        "staticValue" : 1.0 // (Optional) The subscription parameter
      } // The subscription parameter.
    } // The subscription parameter resource. Required if model equa
  } // The subscription charge.
}
```

PutSubscriptionPricingChargeOutput

A put subscription charge output.

JSON XML

```
{
  "subscriptionPricingChargeNamedReference" : {
    "id" : "", // The subscription charge resource id.
    "name" : "" // The subscription charge name.
  } // The subscription charge reference.
}
```

Subscription Parameter

DeleteSubscriptionPricingParameterListInput

A delete subscription parameter list input.

JSON XML

```
{
  "subscriptionPricingParameterNamedReferenceList" : [
    {
      "id" : "", // The subscription parameter resource id.
      "name" : "" // The subscription parameter name.
    },
    ...
  ] // The subscription parameter named reference list.
}
```

DeleteSubscriptionPricingParameterListOutput

A delete subscription parameter list output.

JSON XML

```
{
  "subscriptionPricingParameterNamedReferenceList" : [
    {
      "id" : "", // The subscription parameter resource id.
      "name" : "" // The subscription parameter name.
    },
    ...
  ] // The subscription parameter named reference list.
}
```

DeleteSubscriptionPricingParameterOutput

Delete subscription parameter output.

JSON XML

```
{
  "subscriptionPricingParameterNamedReference" : {
    "id" : "", // The subscription parameter resource id.
    "name" : "" // The subscription parameter name.
  } // The subscription parameter named reference.
}
```

GetSubscriptionPricingParameterListOutput

A get subscription parameter resource list output.

JSON XML

```
{
  "subscriptionPricingParameterResourceList" : [
    {
      "subscriptionPricingParameterReference" : {
        "id" : "" // The subscription parameter resource id.
      }, // The subscription parameter reference.
      "subscriptionPricingParameter" : {
        "name" : "", // The subscription parameter name.
        "type" : "", // The subscription parameter type. Allowed val
        "contextAttribute" : "", // (Optional) The subscription para
        "staticValue" : 1.0 // (Optional) The subscription parameter
      } // The subscription parameter.
    },
    ...
  ] // The subscription parameter resource list.
}
```

GetSubscriptionPricingParameterOutput

A get subscription parameter resource output.

JSON XML

```
{
  "subscriptionPricingParameterResource" : {
    "subscriptionPricingParameterReference" : {
      "id" : "" // The subscription parameter resource id.
    }, // The subscription parameter reference.
    "subscriptionPricingParameter" : {
      "name" : "", // The subscription parameter name.
      "type" : "", // The subscription parameter type. Allowed value
      "contextAttribute" : "", // (Optional) The subscription parame
      "staticValue" : 1.0 // (Optional) The subscription parameter d
    } // The subscription parameter.
  } // The subscription parameter resource.
}
```

PostSubscriptionPricingParameterInput

A post subscription parameter input.

JSON XML

```
{
  "subscriptionPricingParameter" : {
    "name" : "", // The subscription parameter name.
    "type" : "", // The subscription parameter type. Allowed values:
    "contextAttribute" : "", // (Optional) The subscription paramete
    "staticValue" : 1.0 // (Optional) The subscription parameter dec
  } // The subscription parameter.
}
```

PostSubscriptionPricingParameterListInput

A post subscription parameter list input.

JSON XML

```
{
  "subscriptionPricingParameterList" : [
    {
      "name" : "", // The subscription parameter name.
      "type" : "", // The subscription parameter type. Allowed value
      "contextAttribute" : "", // (Optional) The subscription parame
      "staticValue" : 1.0 // (Optional) The subscription parameter d
    },
    ...
  ], // The subscription parameter list.
  "removeNotReplaced" : false // (Optional) Set to true to remove ex
}
```

PostSubscriptionPricingParameterListOutput

A post subscription parameter named reference list output.

JSON XML

```
{
  "subscriptionPricingParameterNamedReferenceList" : [
    {
      "id" : "", // The subscription parameter resource id.
      "name" : "" // The subscription parameter name.
    },
    ...
  ] // The subscription parameter named reference list.
}
```

PostSubscriptionPricingParameterOutput

A post subscription parameter output.

JSON XML

```
{
  "subscriptionPricingParameterNamedReference" : {
    "id" : "", // The subscription parameter resource id.
    "name" : "" // The subscription parameter name.
  } // The subscription parameter reference.
}
```

PutSubscriptionPricingParameterInput

A put subscription parameter input.

```
JSON XML
{
  "subscriptionPricingParameter" : {
    "name" : "", // The subscription parameter name.
    "type" : "", // The subscription parameter type. Allowed values:
    "contextAttribute" : "", // (Optional) The subscription paramete
    "staticValue" : 1.0 // (Optional) The subscription parameter dec
  } // The subscription parameter.
}
```

PutSubscriptionPricingParameterOutput

A put subscription parameter output.

```
JSON XML
{
  "subscriptionPricingParameterNamedReference" : {
    "id" : "", // The subscription parameter resource id.
    "name" : "" // The subscription parameter name.
  } // The subscription parameter reference.
}
```