Create Simple PhoneCalls

This method allows making new PhoneCalls in particular contexts such as User, Organization or global.

Request/Response model

Overview

Use this request to make phone calls between two parties.

If successful, the request returns the Id of the newly created PhoneCall as well as other useful properties.

The Id can be used later to query the status of the phone call, hang it up or update it using the available actions.

The request is made by an App that is registered to a User account.

To create phone calls, issue a HTTP POST request:

Model

```
HTTP-Method      = "POST"
URI-Fragment     = "/uapi/phoneCalls/" User-Id "/simple"
Query-Parameters = multiple
Request-Payload  = PhoneCall

Return-Object    = Array<PhoneCall>
```

Example

```
POST /uapi/phoneCalls/@me/simple HTTP/1.1
HOST uapi.voipnow.com
Content Type: application/json
Authorization: Bearer token

{
  "extension":"210",
  "phoneCallView":[
    {
      "source":["5354353", "5302040"],
      "destination":["5353535"],
      "callerId":"John Doe <4242425>"
    }
  ]
}
```

Request

This section describes how to format the request to the service.

URI fragment

The following parameters must be sent in the URI fragment:

Name	Type	Required	Description
userId	User-Id	Yes	Id of the User on behalf of whom the phone call is made. It can take one of the following values: @me - refers to the authenticated User . @viewer - also refers to the authenticated User . @owner - refers to the User that owns the Extension used to make the phone call. User-Id - refers to the unique identifier of the User. Default: @me.

Query Parameters

All requests to make phone calls support the [Standard-Request-Parameters](#) and the custom fields parameter. All parameters are optional.

Name	Type	Required	Description
waitForPickup	Number	No	The maximum number of seconds to wait until one of the phone numbers used picks up. When the time value set here runs out, the call is cancelled. Default: 25 seconds.
callDuration	Number	No	Total duration of the call, in seconds. Default: global system value.
allowPublicTransfer	Boolean	No	This flag restricts or permits transfer of a phone call made to a phone number external to the system. This flag is ignored for phone calls made to a local number. Default: false
video	Boolean	No	Enable video support in SDP. Default: false

Request Payload

When making PhoneCalls, the following restrictions apply to the [PhoneCall resource](#) sent in the Request Payload.

Name	Type	Description
extension	[UAPI-Extension-Number](#)	Must refer to a `Phone Terminal` type Extension. Must be owned by the User identified by the `userId` sent in the URI-Fragment. Cannot be set to @self and if missing the first value of the source is used.
source	Array<String>	Can be set to a list of extension numbers or public numbers.
destination	Array<String>	Can be any extension number or a public number.
callerId	[UAPI-Caller-Id](#)	The caller name and number. It is displayed to the source. Default: the `Caller Id` of the `Phone Terminal` Extension.
callerIdDestination	[UAPI-Caller-Id](#)	The caller name and number. It is displayed to the destination. Default: the `Caller Id` of the `Phone Terminal` Extension.
nonce	String	A unique string which allows to identify the call created based on the request.

Short extension numbers can be given as **source**, **extension**, and **destination**, but only when the request is made using an App registered to an User or an Organization.

Response

Success

If successful, the Service returns the Id of the newly created [PhoneCall](#) and the following HTTP statuses:

HTTP Code	Description
200	The Id of the phone call is returned.
204	There is no Id to be returned.

Failure

When it fails, the request returns the following error codes:

HTTP Code	Code	Description
400	extension_invalid	Value supplied in extension parameter is missing or invalid. The parameter must be set to the number of a `Phone Terminal` extension that must be owned by the user. Default has the same value as the source parameter.
400	pc_duration_invalid	Value supplied in `callDuration` parameter is missing or invalid. The parameter must be set to a numeric value and represents the mandatory duration of a phone call in seconds.
400	pc_source_invalid	Value supplied in source parameter is missing or invalid. The parameter must be set to a list of extended or short extension numbers or public phone numbers.

400	pc_destina tion_invalid	Value supplied in destination parameter is missing or invalid. The parameter must be set to a list of extended or short extension numbers or public phone numbers.
400	pc_timeout _invalid	Value supplied in `waitForPickup` parameter is missing or invalid. The parameter must be numeric and higher than 0.
400	pc_callerid _invalid	Value supplied in `callerId` parameter is missing or invalid. The parameter must be set to a value with the format: John Doe <+3334444>.
400	pc_transfe r_invalid	Value supplied in `allowPublicTransfer` parameter is missing or invalid. The parameter must be set to true or false.
400	pc_callerid _invalid	You are not allowed to set the callerid field.
400	pc_nonce_ invalid	Value supplied in `nonce` parameter is missing or invalid.

Examples

Below you can find three examples that will help you understand the request and the response.

Make Call Between Two Public Numbers
This example creates a PhoneCall between two public phone numbers. The request is made by an App on behalf of a User.

HTTP Request

```
POST /uapi/phoneCalls/@me/simple HTTP/1.1
HOST uapi.voipnow.com
Content Type: application/json
Authorization: Bearer token

{
   "extension":"210",
   "phoneCallView":[
     {
         "source":["5354353", "5302040"],
         "destination":["3235742879"],
         "callerId":"John Doe <4242425>"
     }
   ]
}
```

Assuming that the request has been successful, the Service sends the following answer:

HTTP Response

```
HTTP/1.1 202 Accepted
...
[
  {
    "id":"c3e92a04ff422a7a0b9f"
    "extension":"210"
    "link":
       {
            "self": "https://x.x.x.x/uapi/phoneCalls/@me/210/c3e92a04ff422a7a0b9f"
       }
  }
]
```

Process Overview

STEP 1: The Service identifies the Extension given in the `Request-Payload`.

STEP 2: Then checks if the number corresponds to a `Phone Terminal` Extension.

STEP 3: The User of the Extension in question is charged for the PhoneCall.

STEP 4: The Service creates a PhoneCall resource also owned by this User.

STEP 5: The Service calls the source phone numbers given in the `Request-Payload` (e.g. 5354353 and 5302040). As soon as one picks up, the calls to the other phone numbers are dropped.

STEP 6: If a `callerId` is given in the `Request Payload`, it is displayed to the numbers used as the source, when they receive the call.
The `callerId` must suit the UAPI-Caller-Id data type. If not sent in the request, the Service uses the one set on the extension given in the `Request-Payload`.

STEP 7: Once the Service connects to the source, it calls the destination number given in the `Request-Payload`.

When the request is made using an App registered to the Administrator account or to an Organization, the `userId` cannot be set to @me and must be specified.
Make Call as Administrator

This example creates a PhoneCall between two phone numbers. The request is made by an App on behalf of a User.

HTTP Request

```
POST /uapi/phoneCalls/12/simple HTTP/1.1
HOST uapi.voipnow.com
Content Type: application/json
Authorization: Bearer token
{
   "extension": "0003*210",
   "phoneCallView": [
     {
        "source":  [ "5354353", "5302040" ],
        "destination": [ "3235742879" ],
        "callerId": "John Doe <4242425>"
     }
   ]
}
```

Assuming the request has been successful, the Service returns the following answer:

HTTP Response

```
HTTP/1.1 202 Accepted
...
[
 {
   "id" : "c3e92a04ff422a7a0b9f"
   "extension": "0003*210"
   "link":
      {
            "self": "http://x.x.x.x/uapi/phoneCalls/@me/0003*210/c3e92a04ff422a7a0b9f"
      }
 }
]
```

Process Overview

The same process as the one for the App registered to the User account occurs.
Make a Sandbox Phone Call

This example connects an extension to the system using the SandBox numbers. The request is made by an App on behalf of a User.

HTTP Request

```
POST /uapi/phoneCalls/12/simple HTTP/1.1
HOST uapi.voipnow.com
Content Type: application/json
Authorization: Bearer token
{
   "extension": "0003*210",
   "phoneCallView": [
      {
         "source":  [ "0003*210" ],
         "destination": [ "0003*00" ],
         "callerId": "John Doe <4242425>"
      }
   ]
}
```

Assuming the request has been successful, the Service returns the following answer:

HTTP Response

```
HTTP/1.1 202 Accepted
...
[
 {
    "id" : "c3e92a04ff422a7a0b9f"
    "extension": "0003*210"
    "link":
       {
               "self": "http://x.x.x.x/uapi/phoneCalls/@me/0003*210/c3e92a04ff422a7a0b9f"
       }
 }
]
```