

# Getting Started

This page describes the resources that UnifiedAPI uses and the way to manipulate them.

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## Request structure

The UnifiedAPI web service works by sending HTTPS REST requests. All requests use the standard HTTP headers, status codes, and a common structure.

For example, to fetch the list of phone calls for an extension you must make the request as shown below:

### HTTP Request

```
GET /uapi/phoneCalls/userId/extensionNumber/  
HOST <hostname>  
Content-Type: application/json  
Content-Length: xxx
```

## Base URL

All REST requests made to the UnifiedAPI Service contain the Base URL, which is:

```
https://<hostname>/uapi/
```

### Security

 For security reasons, UnifiedAPI uses TLS for all its services.

## Data representation

Resources are represented using JSON data format. For example, the PhoneCall resource looks like:

```
{  
  "id": "b817d2618fe6f1804333",  
  "extension": "0003*210",  
  "ownerId": "3",  
  "ownerName": "Default Organization",  
  "answered": "2012-06-27T16:08:55+03:00",  
  "published": "2012-06-27T16:08:50+02:00",  
  "phoneCallView": [  
    {  
      "id": "01",  
      "extension": "0003*210",  
      "answered": "2012-06-27T16:08:55+03:00",  
      "status": "5",  
      "callerId": "John Doe <3334444>",  
      "source": [ "0003*024" ],  
      "destination": [ "0003*210" ]  
    }  
  ]  
}
```

## Pagination

Some requests might return a large collection of resources, such as the list of phone calls. By default, the number of items returned from a collection is limited to 20 entries.

To make it easier to fetch the next or previous 20 items, UnifiedAPI returns the URIs that you can use.

Name	Type	Description
<b>next</b>	String	Use this link to fetch the next chunk of 20 items.
<b>prev</b>	String	Use this link to fetch the previous chunk of 20 items.

This is what a collection of phone calls looks like:

```
HTTP/1.1 200 OK
...

{
  "entry":
  [
    {
      "id": "b817d2618fe6f1804db1",
      "extension": "210",
      "ownerId": "3",
      "ownerName": "Default Organization",
      "answered": "2012-06-27T16:08:55+03:00",
      "published": "2012-06-27T16:08:50+02:00",
      "phoneCallView": [
        {
          "id": "00",
          "extension": "210",
          "answered": "2012-06-27T16:08:55+03:00",
          "status": "5",
          "callerId": "John Doe <3333>",
          "source": [ "210" ],
          "destination": [ "3334444" ]
        }
      ]
    },
    {
      "id": "b817d2618fe6f1804333",
      "extension": "210",
      "ownerId": "3",
      "ownerName": "Default Organization",
      "answered": "2012-06-27T16:08:55+03:00",
      "published": "2012-06-27T16:08:50+02:00",
      "phoneCallView": [
        {
          "id": "00",
          "extension": "210",
          "answered": "2012-06-27T16:08:55+03:00",
          "status": "5",
          "callerId": "John Doe <3333>",
          "source": [ "7778888" ],
          "destination": [ "210" ]
        }
      ]
    }
  ],
  "startIndex": 0,
  "totalResults": 2,
  "itemsPerPage": 20,
  "filtered": false,
  "sorted": false,
  "paging": {
    "next": "https://<hostname>/uapi/phoneCalls/@me/@self/?startIndex=20",
    "prev": "https://<hostname>/uapi/phoneCalls/@me/@self/?startIndex=0"
  }
}
```

## Linking

When creating a new resource, the system might return in the response useful links that let you access the resource information:

Name	Type	Description
<b>self</b>	String	This link identifies the resource and you can use it to delete, list or update the resource.

For example, a phone call might return the following response:

```
HTTP/1.1 200 OK
...

{"entry":
[{"id":"b817d2618fe6f1804db1",
  "extension":"210",
  "ownerId":"3",
  "ownerName":"Default Organization",
  "answered":"2012-06-27T16:08:55+03:00",
  "published":"2012-06-27T16:08:50+02:00",
  "phoneCallView":[
    {
      "id":"00",
      "extension":"210",
      "answered":"2012-06-27T16:08:55+03:00",
      "status":"5",
      "callerId":"John Doe <3333>",
      "source":["210"],
      "destination":["3334444"]
    },
    {
      "links":{
        "self":"https://<hostname>/uapi/phoneCalls/@me/210/b817d2618fe6f1804db1"
      }
    }
  ]
}]
```

#### Related Topics

[Authentication and Authorization](#)

[Service Discovery](#)

[PhoneCalls Service](#)

[Extensions Services](#)

[CDR Service](#)

[Faxes Service](#)