

Contacts REST:
Web Service
Consumer Guide



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Consumer guide:

- This document relates to operations for listing, creating and changing contacts in defined lists for our MasterBase®ESP and MasterBase®eDocs services.

Definitions

- **Endpoint:** The complete address that includes a URL base plus the required parameters (mandatory or optional) for execution.
- **URL Base:** The root address for using Web Services.

This Web Service has three methods:

- **GET Method:** Used to obtain contact information from a defined list.
<https://rest.masterbase.com/contacts/v2/>
- **POST Method:** Used to generate or create one or more contacts in a defined list.
<https://rest.masterbase.com/contacts/v2/>
- **PUT Method:** Used to modify or update a contact in a defined list.
<https://rest.masterbase.com/contacts/v2/>

Each execution of a Web Service provides:

A result code: RESPONSE

- **RESPONSE** is a code that represents the result of the execution:
 - 200 : Satisfactory result
 - 400 : Execution problem
 - 500 : Problem in service (internal)

Payload:

- Consists of the information attached to the so called Web Service, and necessary for the performed task.



- In case the GET isn't generating precise information in the PAYLOAD, as the necessary data is included as parameters in the endpoint.
- POST and PUT methods ask for entering information in the PAYLOAD, which corresponds to required attributes or those defined through options.
- This Web Service uses the new API credentials that are created on the platform and, accordance to the given attributes, can be **restricted** or **normal**.
 - A restricted credential has limitations in the functions that can be accessed in the Web Service:
 - Does not have attributes to create or modify a contact. Only validates the address` syntax.

Web service Contacts REST R4:

To obtain contact information, the **GET** method must be used.

<https://rest.masterbase.com/contacts/v2/{Cliente}/{ListId}?Top={Numero}&From={IdContact}&Order={0/1}>

Where:

Client	Name of client's account	Required / optional
ListId	Parameter containing the ID of the List whose contacts are queried	Required parameter
Top	Parameter that indicates the number of contacts that will be returned for consultation.	Required parameter
From	Parameter that indicates from which point in the list the contacts created will be queried.	Optional parameter. Not considered by default.
Order	Parameter indicating whether the result display order will be Ascending (0) or Descending (1).	Optional parameter. Not considered by default value 0.

- **ListId** only permits complete positive values
- **Top** only permits positive integer value
- **From** permits any positive integer value
- **Order** only permits value of 0 or 1
- Use valid credentials for Web Services.
- **Do not use** parameters in PAYLOAD.

Examples:

<https://rest.masterbase.com/contacts/v2/CLIENTE/1?Top=200>

<https://rest.masterbase.com/contacts/v2/CLIENTE/1?Top=200&From=1>

<https://rest.masterbase.com/contacts/v2/CLIENTE/1?Top=200&From=1&Order=1>

Result:

URL: <https://rest.masterbase.com/contacts/v2/cliente/4?Top=3&From=1&Order=1>

The parameters within this URI indicate:

- IdList = 4: The contacts to be shown are part of **list 4**
- Top =3: To be shown **3 contacts**
- From=1: The first contact shown has **identifier 1**
- Order =1: Organized by date created in **descending order**

For this URI the results are:

```
{
  "Service": "Contacts",
  "Version": "1.0.0.0",
  "TransactionId": "9ace038b306e48e581bd84efd9c54ca9",
  "Status": {
    "Code": "200",
    "Value": "OK"
  },
  "Data": {
    "Contacts": {
      "Contact": [
        {
          "idContact": "10317",
          "Email": "prueba9@prueba.cl",
          "Gender": "M",
          "CreatedBy": "WSTestR4Esp_Prod",
          "DateCreation": "2016-11-11T18:45:47.550",
          "FieldStr01": "Nombres",
          "FieldStr02": "Apellido Paterno",
          "FieldStr03": "Apellido Materno"
        },
        {
          "idContact": "10316",
          "Email": "prueba8@prueba.cl",
          "Gender": "M",
          "CreatedBy": "WSTestR4Esp_Prod",
          "DateCreation": "2016-11-11T18:45:47.003",
          "FieldStr01": "Nombres",
          "FieldStr02": "Apellido Paterno",
          "FieldStr03": "Apellido Materno"
        }
      ]
    }
  }
}
```



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```
"idContact": "10315",  
"Email": "prueba7@prueba.cl",  
"Gender": "M",  
"CreatedBy": "WSTestR4Esp_Prod",  
"DateCreation": "2016-11-11T15:26:22.410",  
"FieldStr01": "Nombres",  
"FieldStr02": "Apellido1",  
"FieldStr03": "Apellido2"
```

```
}  
]  
}  
}
```

Obtaining a contact

In order to obtain a particular contact, the **GET** method must be used with specific parameters.

The endpoint is:

<https://rest.masterbase.com/contacts/v2/{Cliente}/{ListId}?Email={Casilla electrónica}>

Where:

Client	Name of client's account	Required/ optional
ListId	Parameter containing the ID of the List whose contacts are queried	Required parameter
Email	Contact email address	Required parameter

- **ListId** Only permits positive integer value
- Use valid credentials for Web Services.
- **DO NOT USE** parameters in PAYLOAD.

Examples:

<https://rest.masterbase.com/contacts/v2/CLIENTE/1?Email=Casilla@casilla.com>

Results:

Once you have obtained the contact list previously indicated, you get the email address of the contact(s). The example shows that one of these addresses is:

prueba9@prueba.cl

URI: <https://rest.masterbase.com/contacts/v2/cliente/4?Email=prueba9@prueba.cl>

The parameters within this URI indicate:

- IdList = 4: The contacts to be shown are in **List 4**
- Email=: The data to be displayed correspond to the contact whose address is prueba9@prueba.cl

The result for this URL is:

```
{
  "Service": "Contacts",
  "Version": "1.0.0.0",
  "TransactionId": "a2dbc7c296ea4512a3e591adcd79e763",
  "Status": {
    "Code": "200",
    "Value": "OK"
  },
  "Data": {
    "Contact": {
      "idContact": "10317",
      "Email": "prueba9@prueba.cl",
      "Gender": "M",
      "CreatedBy": "WSTestR4Esp_Prod",
      "DateCreation": "2016-11-11T18:45:47.550"
    }
  }
}
```

Create multiple contacts

For creating multiple contacts, the POST method must be used with specific parameters.

The *endpoint* is:

<https://rest.masterbase.com/contacts/v2/{Cliente}/>

Where:

Client	Client's account name	Required / optional
--------	-----------------------	---------------------

- Use valid credentials for Web Services.
- **Requires** generating a XML/JSON structure in PAYLOAD.

PAYLOAD:

ListId	Indicates the contact list on which to create contacts	Required
Email	Email of the contact to create	Required

- **ListId** Only takes positive integer value
- Optional attributes are all those that are defined in the list in which contacts will be created.

Example:

```
{
  "Request":
  {
    "ListId": "3",
    "Contacts":
    {
      "Contact":
      [
        {
          "Email": "prueba46@prueba.cl",
          "Gender": "M",
          "FieldStr01": "Nombres",
          "FieldStr02": "Apellidos"
        },
        {
          "Email": "prueba47@prueba.cl",
          "Gender": "M",
```

```
"FieldStr01": "Nombres",
"FieldStr02": "Apellidos"
},
{
  "Email": "prueba48@prueba.cl",
  "Gender": "M",
  "FieldStr01": "Nombres",
  "FieldStr02": "Apellidos"
},
{
  "Email": "prueba49@prueba.cl",
  "Gender": "M",
  "FieldStr01": "Nombres",
  "FieldStr02": "Apellidos"
}
]
}
}
}
```

Result:

The result for this URI and PAYLOAD is:

```
{
  "Service": "Contacts",
  "Version": "1.0.1.0",
  "TransactionId": "07ed0b84fda0495eaff67fcfd5cb257",
  "Status": {
    "Code": "200",
    "Value": "OK"
  },
  "Data": {
    "Contacts": {
      "Contact": [
        {
          "Email": "prueba46@prueba.cl",
          "Validation": {
            "@Status": "PASSED"
          },
          "Operation": {
            "@Status": "CREATED",
            "#text": "Successfully executed"
          }
        }
      ]
    }
  }
}
```

```
    }
  },
  {
    "Email": "prueba47@prueba.cl",
    "Validation": {
      "@Status": "PASSED"
    },
    "Operation": {
      "@Status": "CREATED",
      "#text": "Successfully executed"
    }
  },
  {
    "Email": "prueba48@prueba.cl",
    "Validation": {
      "@Status": "PASSED"
    },
    "Operation": {
      "@Status": "CREATED",
      "#text": "Successfully executed"
    }
  },
  {
    "Email": "prueba49@prueba.cl",
    "Validation": {
      "@Status": "PASSED"
    },
    "Operation": {
      "@Status": "CREATED",
      "#text": "Successfully executed"
    }
  }
]
}
}
```

Create single contact

To create a single contact, use the POST method with specific parameters

The endpoint is:

<https://rest.masterbase.com/contacts/v2/{Cliente}/>

Where:

Client	Client's account name	Required / optional
--------	-----------------------	---------------------

- Use valid credentials for Web Services.
- **Requires** generating a XML/JSON structure in PAYLOAD.

PAYLOAD:

@ListId	Indicates the list in which contacts will be created	Required
Email	Email of the contact to create	Required

- **ListID** Only takes positive integer value
- Optional attributes are all those that are defined in the list in which contacts will be created.

Example:

```
{
  "Request":
  {
    "ListId": "3",
    "Contacts":
    {
      "Contact":
      {
        "Email": "prueba50@prueba.cl",
        "Gender": "M",
        "FieldStr01": "Nombres",
        "FieldStr02": "Apellidos"
      }
    }
  }
}
```

Result:

The result for this URI and PAYLOAD is:

```
{
  "Service": "Contacts",
  "Version": "1.0.1.0",
  "TransactionId": "87eee2d65423406095c0ec09ee6001f9",
  "Status": {
    "Code": "200",
    "Value": "OK"
  },
  "Data": {
    "Contacts": {
      "Contact": {
        "Email": "prueba50@prueba.cl",
        "Validation": {
          "@Status": "PASSED"
        },
        "Operation": {
          "@Status": "CREATED",
          "#text": "Successfully executed"
        }
      }
    }
  }
}
```

Modify single contact

For the modification of a single contact, the PUT method must be used with specific parameters.

The endpoint is:

<https://rest.masterbase.com/contacts/v2/{Client}/>

Where:

Client	Client's account name	Required / optional
--------	-----------------------	---------------------

- Use valid credentials for Web Services.
- **Requires** generating a XML/JSON structure in PAYLOAD.

PAYLOAD:

@ListId	Indicates the list in which contacts will be created	Required
idContact	Number identifying contact	Required
Email	Email of contact to create	Required

- **ListID** Only takes positive integer value
- At least one extra attribute to be modified must be included, since the idContact and Email attributes will not change.
- Optional attributes are all those that are defined in the list in which contacts will be created.

Example:

```
{
  "Request":
  {
    "ListId": "3",
    "Contact":
    {
      "idContact": "10365",
      "Email": "prueba45@prueba.cl",
      "Gender": "M",
      "FieldStr01": "Nombres",
      "FieldStr02": "Apellidos"
    }
  }
}
```

Result:

The result for this URI and PAYLOAD is:

```
{
  "Service": "Contacts",
  "Version": "1.0.1.0",
  "TransactionId": "6c863b5839bf4754a9ff9cffa62264bc",
  "Status": {
    "Code": "200",
    "Value": "OK"
  },
  "Data": {
    "Contact": {
      "idContact": "10365",
      "Email": "prueba45@prueba.cl",
      "Validation": {
        "@Status": "PASSED"
      },
      "Operation": {
        "@Status": "UPDATED",
        "#text": "Successfully executed"
      }
    }
  }
}
```