Magrathea Telecommunications Limited.
5 Commerce park, Brunel Road, Theale
Berkshire RG7 4AB

0345 004 0040 info@magrathea- telecom.co.uk

Magrathea Porting Portal API Guide

4th July 2024

Contents

Overview 2
Authentication 2
Documentation Page 4
Endpoints 6
Holidays 7
lcplist 8
portdate 9
port 10
upload 12
Search 13
detail 14
change 17
Appendices 18
dates 18
Release Notes 18

Overview

Magrathea provides an API that enables customers to schedule and monitor their number porting requirements. The business rules follow those implemented in the corresponding web interface.

Live Environment

Details of each call can be found here: https://portingportal.magrathea.net/api/documentation

The base url for the API is: https://portingportal.magrathea.net/

Test environment (where users can safely experiment)

Details of each call can be found here: https://pptest.magrathea.net/api/documentation

The base url for the API is: https://pptest.magrathea.net/

Authentication

The portal uses standard Basic API authentication. This is provided my means of an Authorization Header containing a base 64 encoded username and password (usually the same as your Portal username and password).

All responses are JSON encoded and you should therefore specify an accept header of application/json
Please also take great care in adhering exactly to the JSON format, especially as regards quotation marks.

Please contact our Porting Support Team to arrange access.
Phone: 0345 004 0090 EMail: porting@magrathea-telecom.co.uk

Let us assume your credentials obtained from our Porting Team are

userjo / pwd123

To convert this to an authentication string (on Linux):

echo -n userjo:pwd123 | base64

which yields

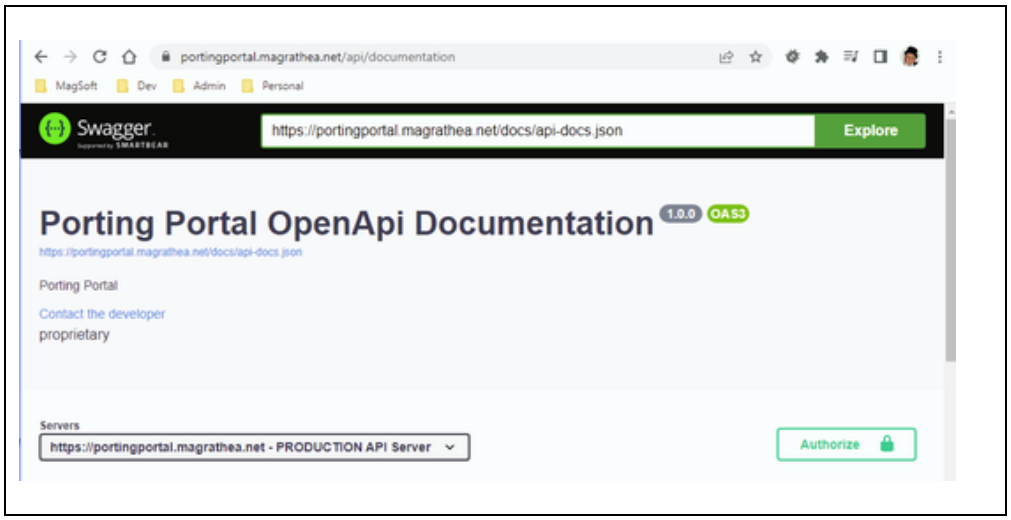
dXNlcmpvOnB3ZDEyMw==

Your actual credentials - and hence also your authentication string - will of course be different to these example values.

Documentation Page

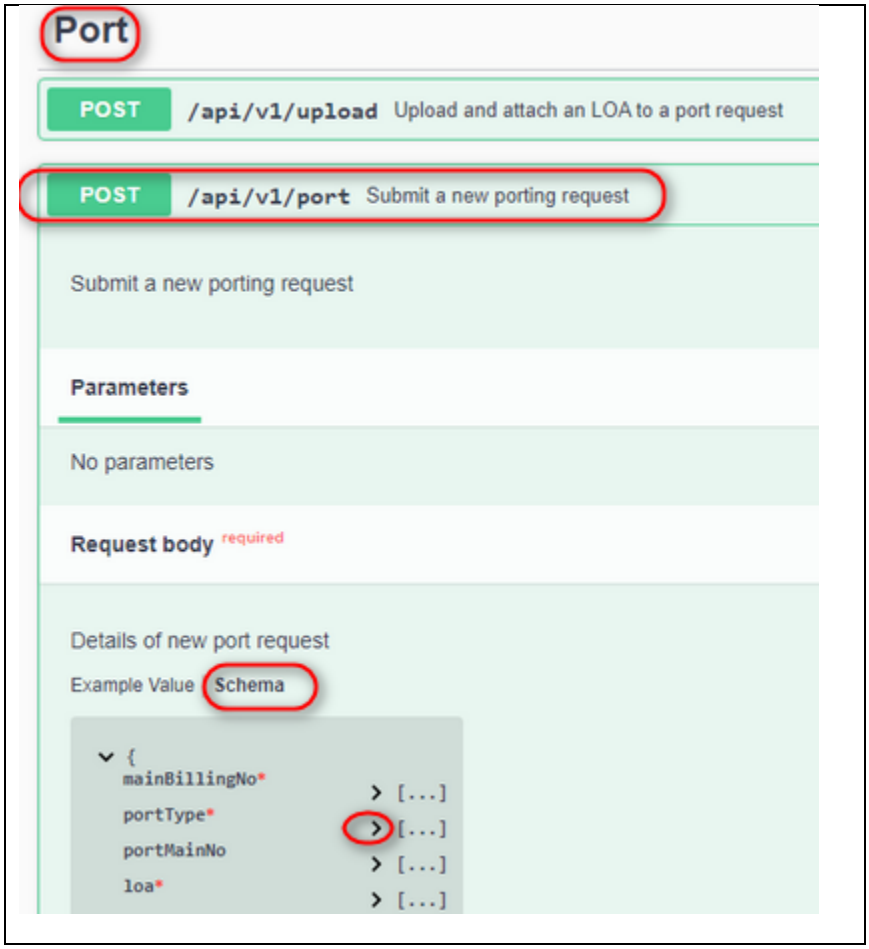
This guide you're reading now is only a very general overview. For more detail on any of the calls, you'll need the Swagger documentation page. In your browser, navigate to : https://portingportal.magrathea.net/api/documentation

It should look like this



Assuming for example you wanted to know the valid *portTypes* in the **port** call:

Following the clicks (circled in red) shown below, we discover the answer is : PRO, SUP or RRH.

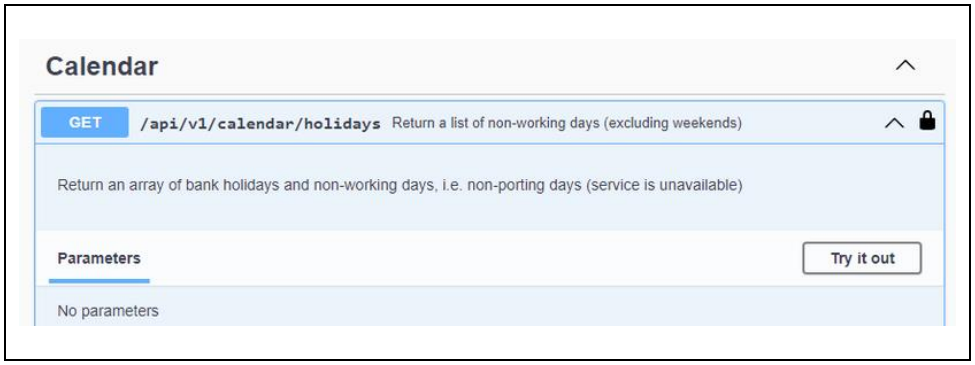


Endpoints

What we are going to start with, as a way to give you some familiarity with the system , is to use the Documentation Page to show you the Curl command to query one of the simpler endpoints - the call to obtain all the porting 'holidays'. This will return to the user, a list of upcoming days - over and above weekends - on which porting may *not* be scheduled. This list will include Bank holidays and the porting Christmas break of about two weeks.

To start with, click **Authorise** (bottom-right on the Documentation home page (screenshot above)), and enter your username and password.

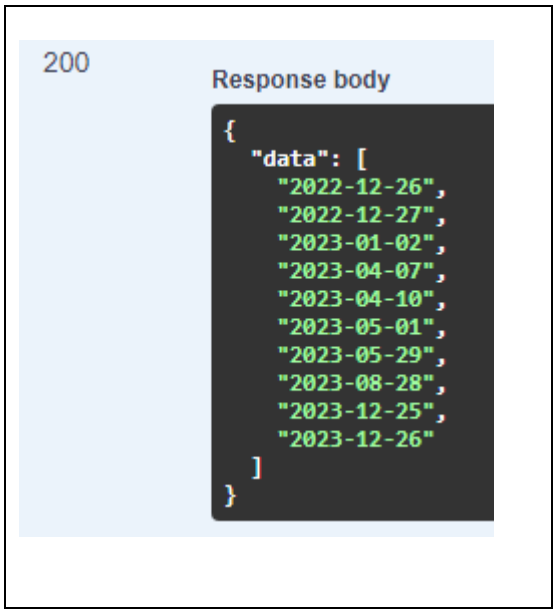
Next, scroll down to and open **Calendar**, and then ..calendar/holidays



Click **Try it out** and then **Execute**.

This will show you the equivalent Curl call. The blanked-out area is for *your* authorisation string.

Also shown will be the response you will receive



Holidays

List the current year's bank holidays

command

```
curl -X 'GET' 'https://portingportal.magrathea.net/api/v1/calendar/holidays'
-H 'accept: application/json'
-H 'Authorization: Basic dXNlcmpvOnB3ZDEyMw=='
-H 'X-CSRF-TOKEN: '
```

response


```
{
  "data": [
    "2022-12-26",
    "2022-12-27",
    "2023-01-02",
    "2023-04-07",
    "2023-04-10",
    "2023-05-01",
    "2023-05-29",
    "2023-08-28",
    "2023-12-25",
    "2023-12-26"
  ]
}
```


This simple case should give you enough insight understand the other calls, shown below.

lcplist

List all communication partners

command

```
curl -X 'GET' 'https://portingportal.magrathea.net/api/v1/lcplist'
-H 'accept: application/json'
-H 'Authorization: Basic dXNlcmpvOnB3ZDEyMw=='
-H 'X-CSRF-TOKEN: '
```

response


```
[
  {
    "cupid": "001",
    "name": "BT",
    "singleGeo": true,
    "multiGeo": true,
    "nonGeo": true
  },
  {
    "cupid": "005",
    "name": "KCOM Group Limited",
    "singleGeo": true,
    "multiGeo": true,
    "nonGeo": false
  },
  {
    ...
  }
]
```

portdate

Return a port date N working days hence

command

```
curl -X 'GET' 'https://portingportal.magrathea.net/api/v1/calendar/portdate?days=3'
-H 'accept: application/json'
-H 'Authorization: Basic dXNlcmpvOnB3ZDEyMw=='
-H 'X-CSRF-TOKEN: '
```

parameters

days	mandatory, integer, min 1, max 28

Response


```
{
  "date": "2022-06-15"
}
```

port

Create a port request

command

```
curl -X 'POST' \ 'https://portingportal.magrathea.net/api/v1/port' \
-H 'accept: application/json' \
-H 'Authorization: Basic dXNlcmpvOnB3ZDEyMw==' \
-H 'Content-Type: application/json' \
-H 'X-CSRF-TOKEN: ' \
-d '{
"mainBillingNo": "01483766900",
"portType": "SUP",
"portMainNo": "yes",
"loa": "yes",
"accountNo": "MyAcc01",
"lcpCupid": "013",
"dq": "false",
"lineType": "m",
"target": "S:03450040040@myserver.net",
"email": "j.doe@magrathea.co.uk",
"associatedNos": [ "01483766901", "01483766902", "01483766903" ],
"assocActions": [ "port", "cease", "remain" ],
"address": "27 Some Place",
"postcode": "W1A 1AA",
"associatedRangeStart": [ "01483766900" ],
"associatedRangeEnd": [ "01483766999" ],
"assocRangeActions": [ "port" ],
"title": "Mr",
"initials": "J",
"surname": "Doe",
"company": "Acme Co Ltd.",
"notes": "our reference 82737",
"portDate": "2022-08-18 10:00"
}'
```

parameters

NAME	DESCRIPTION	SAMPLE VALUE
mainBillingNo	Must be a valid phone number	
portType		PRO | SUP | RRH
portMainNo		yes | no
loa	Letter of Authority	yes
lcpCupid	ID of the Losing CP. 3-char numeric string. Required when port type is SUP or RRH. not allowed if port type is PRO.	301
dq	Maintain directory entry	true | false
lineType	Single or Multiple	S | M
target	Target address	S:03450040040@myserver.net
email	Must be a valid one	

associatedNos	Optional. But if you do have them, you *must* also provide Actions for each one.	
assocActions	Optional. See associatedNos	
associatedRangeStart	Optional. But if you do have them, you *must* also provide Range Ends and Actions for each one.	
associatedRangeEnd	Optional. See associatedRangeStart	
assocRangeActions	Optional. See associatedRangeStart	
title		Mrs
initials		J K
surname		Jones
company		Acme Datacomms
address		123 Random Drive, Somewhere
postcode	Must be a valid one	
notes	Optional.	Contact Mr Smith
portdate	yyyy-mm-dd + (10:00 | 10:30 | 11:00)	2024-05-29 10:30

Response


```
{
  "orderId": 12200023,
  "mainBillingNo": "01483766900",
  "portType": "SUP",
  "status": "Entered",
  "rangeHolder": "BT",
  "rangeHolderCupid": "001",
  "submitAt": "2022-07-29T10:37:06Z",
  "portDate": "2022-08-18 10:00",
  "lineType": "M",
  "lcp": "BT",
  "lcpCupid": "001",
  "title": "Mr",
  "initials": "J",
  "surname": "Doe",
  "company": "Acme Co Ltd.",
  "address": "27 Some Place",
  "postcode": "W1A 1AA",
  "target": "S:03450040040@myserver.net",
  "email": "j.doe@magrathea.co.uk",
  "dq": false,
  "notes": [
    {
      "createdAt": "2022-07-29T10:37:06Z",
      "text": "our reference 82737"
    }
  ],
  "history": [
    {
      "createdAt": "2022-07-29T10:37:06Z",
      "text": "The porting order has been created"
    }
  ],
  "associatedNos": [
    "01483766901",
```

```
    "01483766902",
    "01483766903"
  ],
  "assocActions": [
    "port",
    "cease",
    "remain"
  ],
  "associatedRangeStart": [
    "01483766900"
  ],
  "associatedRangeEnd": [
    "01483766999"
  ],
  "assocRangeActions": [
    "port"
  ]
}
```


upload

A Letter of Authority (LoA) is recommended for all ports, and mandatory for non-geo ports.
The LoA *upload* can only be done after a port call to create an order, as the order ID is required in the upload call.

Command

```
curl -X 'POST' \ 'https://portingportal.magrathea.net/api/v1/upload' \
-H 'accept: application/json' \
-H 'Authorization: Basic dXNlcmpvOnB3ZDEyMw==' \
-H 'Content-Type: multipart/form-data' \
-H 'X-CSRF-TOKEN: ' \
-F 'orderId=10' \
-F 'loa=@myloa.pdf;type=application/pdf'
```

response


```
{
  "orderId": 10
}
```

Search

Search for orders based on various criteria

The following search parameters are available. When used together they are **AND**ed.

mainBillingNo	03450040040
orderId	410228
status	*One* of : Entered, With LCP, LCP Accepted, With RH, RH Accepted, With SP, SP Accepted, Cancelled, Closed, Completed, Rejected, Rejected - Closed, Rejected - FOC, Rejected - FOC - Closed
type	*One* of PRO, SUP, RRH
portDate	A single date : 2023-02-11 A date Range : 2023-02-11 to 2023-05-01

Command

```
curl -X 'POST' \ 'https://portingportal.magrathea.net/api/v1/ports/search' \
-H 'accept: application/json' \
-H 'Authorization: Basic dXNlcmpvOnB3ZDEyMw==' \
-H 'Content-Type: application/json' \
-H 'X-CSRF-TOKEN: ' \
-d ' {
"status": "Entered",
"portDate": "2022-01-06 to 2022-08-08"
}'
```

response

A Search returns an array of matching OrderIDs.
For more information on specific orders, pass their numbers to detail request.


```
{
  "orderIds": [
    1,
    2,
    7,
    8,
    9,
    10,
    12
  ]
}
```

detail

command

```
curl -X 'POST' \
'https://portingportal.magrathea.net/api/v1/ports/detail' \
-H 'accept: application/json' \
-H 'Authorization: Basic dXNlcmpvOnB3ZDEyMw==' \
-H 'Content-Type: application/json' \
-H 'X-CSRF-TOKEN: ' \
-d '{"orderIds": [10,15]}'
```

```
  -d '{"orderIds": [10,15]}'
```

response


```
{
  "orders": [
    {
      "orderId": 34,
      "mainBillingNo": "08003423214",
      "portType": "PRO",
      "status": "RH Accepted",
      "rangeHolder": "Vodafone Ltd (Thus)",
      "rangeHolderCupid": "028",
      "submitAt": "2022-06-13T14:58:14Z",
      "portDate": "2022-06-14 10:00",
      "lineType": "M",
      "lcp": null,
      "lcpCupid": null,
      "title": "",
      "initials": "",
      "surname": "",
      "company": "MagTestCo",
      "address": "Address1, Address 2, Town",
      "postcode": "BH25 4DD",
      "target": "441732883487",
      "email": "tracey@magrathea-telecom.co.uk",
      "dq": true,
      "notes": [
        {
          "createdAt": "2022-06-13T14:58:14Z",
          "text": "Mixed range holder - time 10.30"
        }
      ],
      "history": [
        null,
        null,
        null,
        {
          "createdAt": "2022-06-13T15:20:33Z",
          "text": "Porting date changed to 14-06-2022 10:00"
        },
        {
          "createdAt": "2022-06-13T15:20:33Z",
          "text": "Change order sent to range holder"
        },
        {
          "createdAt": "2022-06-13T15:19:42Z",
          "text": "The range holder has accepted the port"
        },
        {
          "createdAt": "2022-06-13T15:00:05Z",
          "text": "Sent to range holder"
        },
```

```
      {
        "createdAt": "2022-06-13T14:58:14Z",
        "text": "The porting order has been created"
      }
    ],
    "associatedNos": [
      "03450040040",
      "08450040040"
    ],
    "assocActions": [
      "port",
      "port"
    ]
  },
  {
    "orderId": 12200020,
    "mainBillingNo": "01483766900",
    "portType": "SUP",
    "status": "Entered",
    "rangeHolder": "BT",
    "rangeHolderCupid": "001",
    "submitAt": "2022-07-28T11:51:45Z",
    "portDate": "2022-09-05 11:00",
    "lineType": "M",
    "lcp": "BT",
    "lcpCupid": "001",
    "title": "Madame",
    "initials": "J",
    "surname": "Bloggs",
    "company": "Exclusive Entertainments Plc",
    "address": "212 Short Street",
    "postcode": "SL6 5EY",
    "target": "S:03450040040@myserver.net",
    "email": "j.doe@magrathea.co.uk",
    "dq": false,
    "notes": [
      {
        "createdAt": "2022-07-28T11:51:45Z",
        "text": "Contract pending."
      }
    ],
    "history": [
      {
        "createdAt": "2022-07-28T11:51:45Z",
        "text": "The porting order has been created"
      }
    ],
    "associatedNos": [
      "01483766901",
      "01483766902",
      "01483766903"
    ],
    "assocActions": [
      "port",
      "cease",
      "remain"
    ],
    "associatedRangeStart": [
      "01483766900"
    ],
    "associatedRangeEnd": [
      "01483766999"
    ],
    "assocRangeActions": [
      "port"
    ]
  }
 ]
}
```

change

Change order details

Can only be applied to orders with status *RH Accepted*

command

```
curl -X 'POST' \
'https://portingportal.magrathea.net/api/v1/port/change' \
-H 'accept: application/json' \
-H 'Authorization: Basic dXNlcmpvOnB3ZDEyMw==' \
-H 'Content-Type: application/json' \
-H 'X-CSRF-TOKEN: ' \
-d '{
"orderId": "12200045",
"portDate": "2022-12-01 10:00"
}'
```

response

```
{
  "message": "success"
}
```

Appendices

dates

“yyyy-mm-dd”, optionally followed by “ hh:mm”.

Release Notes

1. lcplist
   The boolean values are now returned as true or false rather than “1” or “0”.
   eg “singleGeo”: true,