|  |
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| Sample API request and responsesFree number search |

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# Find free numbers

**API details**

**Description**: Allows you to search for free numbers (Geo, Geo Nomadic, Nomadic, UK Wide and CH corporate) using number prefix, location (ES), CLI (for FR Hosted numbers).

**End point URLs**

* **Production**: https://apis.colt.net/numberManagement/v1/freeNumber
* **Sandbox**: https://sandbox.apis.colt.net/numberManagement/v1/freeNumber

**Method:** GET

## Free geo number search using Number Prefix (LAC)

**Input parameters**

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Description |
| **header** |
| x-tracking-id | Mandatory | description: Unique identifier for the orderexample: abcd456e-d45645-dfaafda-1232345667ddpattern: ^[a-zA-Z0-9\_.~:@-]{1,255}$maxLength: 255 |
| **query** |
| country | Mandatory | *Available values* : GB, ES, FR, DE, AT, BE, NL, IE, IT, SE, DK, PT, CH, CZ, NO, RO, PL, FI, LU, SK |
| serviceProfile | Optional | service profile associated with customer requestmandatory if customer has more than one service profile per country |
| numberPrefix | Mandatory | Field is required for Geo free number search.Accepted format: +<country\_code><LAC> in url encoded format(%2B<countryCode><LAC>)for LU: area code is always ‘0’ |
| numberType | Mandatory | For all countries : GEOGRAPHICAL\_NUMBERSFor ES Geo Nomadic numbers: GEOGRAPHICAL\_NOMADIC\_NUMBERS  |
| blockSize | Mandatory | IntegerAllowed blocksize:AT: 1PL: 100DE: 1,10,20,30,40,50,100,200,300,400,500,600,700,800,900, 1000,2000,3000, 4000,5000,6000,7000,8000,9000,10000Others: 1, 10, 100 |
| quantity | Optional | Not required for DEDefault:1Allowed quantity: 1,2,3,4,5,6,7,8,9 |
| postalCode | Mandatory | StringApplicable for DE only if numberPrefix is +49621 (%2B49621)*Example* : 68163 |

### GB (single number search with quantity)

|  |  |
| --- | --- |
| Request | Response |
| **Input parameters:**country: GBnumberType: GEOGRAPHICAL\_NUMBERSblockSize: 1quantity: 3numberPrefix: %2B44113 (LAC=0113)serviceProfile: ANH**Request URL:**https://apis.colt.net/numberManagement/v1/freeNumber?country=GB&numberType=GEOGRAPHICAL\_NUMBERS&blockSize=1&quantity=3&numberPrefix=%2B44113&serviceProfile=ANH | {    "numberRangeList": [        {            "numberRangeStart": "+441135413921",            "numberRangeEnd": "+441135413921"        },        {            "numberRangeStart": "+441135413927",            "numberRangeEnd": "+441135413927"        },        {            "numberRangeStart": "+441135414083",            "numberRangeEnd": "+441135414083"        }    ]} |

### FR (block search with quantity)

|  |  |
| --- | --- |
| Request | Response |
| **Input parameters:**country: FRnumberType: GEOGRAPHICAL\_NUMBERSblockSize: 10quantity: 2numberPrefix: %2B331 (LAC=1)serviceProfile: A29**Request URL:**https://apis.colt.net/numberManagement/v1/freeNumber?country=FR&numberType=GEOGRAPHICAL\_NUMBERS&blockSize=10&quantity=2&numberPrefix=%2B331&serviceProfile=A29 | {    "numberRangeList": [        {            "numberRangeStart": "+33173177470",            "numberRangeEnd": "+33173177479",            "isCustomerOwned": "false"        },        {            "numberRangeStart": "+33173177480",            "numberRangeEnd": "+33173177489",            "isCustomerOwned": "false"        }    ]} |

### ES (GEO number search without quantity)

|  |  |
| --- | --- |
| Request | Response |
| **Input parameters:**country: ESnumberType: GEOGRAPHICAL\_NUMBERSblockSize: 1numberPrefix: %2B34930 (LAC=930)serviceProfile: A3A**Request URL:**https://apis.colt.net/numberManagement/v1/freeNumber?country=ES&numberType=GEOGRAPHICAL\_NUMBERS&blockSize=1&numberPrefix=%2B34930&serviceProfile=A3A | {    "numberRangeList": [        {            "numberRangeStart": "+34930490382",            "numberRangeEnd": "+34930490382"        }    ]} |

### ES (GEO Nomadic number search with quantity)

|  |  |
| --- | --- |
| Request | Response |
| **Input parameters:**country: ESnumberType: GEOGRAPHICAL\_NOMADIC\_NUMBERSblockSize: 10quantity: 2numberPrefix: %2B34810 (LAC=810)serviceProfile: A3A**Request URL:**https://apis.colt.net/numberManagement/v1/freeNumber?country=ES&numberType= GEOGRAPHICAL\_NOMADIC\_NUMBERS &blockSize=1&numberPrefix=%2B34810&serviceProfile=A3A | {    "numberRangeList": [        {            "numberRangeStart": "+34810831440",            "numberRangeEnd": "+34810831449"        },        {            "numberRangeStart": "+34810831450",            "numberRangeEnd": "+34810831459"        }    ]} |

### DE (geo block search)

|  |  |
| --- | --- |
| Request | Response |
| **Input parameters:**country: DEnumberType: GEOGRAPHICAL\_NUMBERSblockSize: 10numberPrefix: %2B4969 (LAC: 69)serviceProfile: A3E**Request URL:**https://apis.colt.net/numberManagement/v1/freeNumber?country=DE&numberType=GEOGRAPHICAL\_NUMBERS&blockSize=10&numberPrefix=%2B4969&serviceProfile=A3E | {    "numberRangeList": [        {            "numberRangeStart": "+4969506072400",            "numberRangeEnd": "+4969506072409"        },        {            "numberRangeStart": "+4969506072410",            "numberRangeEnd": "+4969506072419"        },        {            "numberRangeStart": "+4969506072420",            "numberRangeEnd": "+4969506072429"        }    ]} |

### DE (postalCode required if numberPrefix is +49621)

|  |  |
| --- | --- |
| Request | Response |
| **Input parameters:**country: DEnumberType: GEOGRAPHICAL\_NUMBERSblockSize: 1postalCode: 68163numberPrefix=%2B49621 (LAC=621)serviceProfile: A3E**Request URL:**https://apis.colt.net/numberManagement/v1/freeNumber?country=DE&numberType=GEOGRAPHICAL\_NUMBERS&blockSize=1&numberPrefix=%2B49621&serviceProfile=A3E&postalCode=68163 | {    "numberRangeList": [        {            "numberRangeStart": "+4962137031885",            "numberRangeEnd": "+4962137031885"        },        {            "numberRangeStart": "+4962137031992",            "numberRangeEnd": "+4962137031992"        },        {            "numberRangeStart": "+4962139990042",            "numberRangeEnd": "+4962139990042"        }    ]} |

### LU (single number search without quantity and service profile)

|  |  |
| --- | --- |
| Request | Response |
| **Method:** GET**Input parameters:**country: LUnumberType: GEOGRAPHICAL\_NUMBERSblockSize: 1numberPrefix: %2B3520 (LAC=0)**Request URL:**https://apis.colt.net/numberManagement/v1/freeNumber?country=LU&numberType=GEOGRAPHICAL\_NUMBERS&blockSize=1&numberPrefix=%2B3520 | {    "numberRangeList": [        {            "numberRangeStart": "+35227949691",            "numberRangeEnd": "+35227949691"        }    ]} |

## Free geo number search location(city, province - ES)

**Input parameters**

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Description |
| **header** |
| x-tracking-id | Mandatory | description: Unique identifier for the orderexample: abcd456e-d45645-dfaafda-1232345667ddpattern: ^[a-zA-Z0-9\_.~:@-]{1,255}$maxLength: 255 |
| **query** |
| country | Mandatory | *Available values* : ES,DE |
| serviceProfile | Optional | service profile associated with customer requestmandatory if customer has more than one service profile per country |
| province | Mandatory | Applicable for ES only for search by location (first character should be in UPPERCASE and remaining in lowercase) *Example* : Barcelona, Madrid |
| city | Mandatory | Applicable for ES only for search by location (value should be in UPPERCASE)*Example* : BARCELONA, MADRID |
| numberType | Mandatory | For ES Geo Numbers : GEOGRAPHICAL\_NUMBERSFor ES Geo Nomadic numbers: GEOGRAPHICAL\_NOMADIC\_NUMBERS  |
| blockSize | Mandatory | IntegerAllowed blocksize:DE: 1,10,20,30,40,50,100,200,300,400,500,600,700,800,900, 1000,2000,3000, 4000,5000,6000,7000,8000,9000,10000ES: 1, 10, 100 |
| quantity | Optional | Not required for DEDefault:1Allowed quantity: 1,2,3,4,5,6,7,8,9 |

### ES (single number search by city + province without quantity)

|  |  |
| --- | --- |
| Request | Response |
| **Method:** GET**Input parameters:**country: ESnumberType: GEOGRAPHICAL\_NUMBERSblockSize: 1province: Barcelonacity: BARCELONAserviceProfile: A3A**Request URL:**https://apis.colt.net/numberManagement/v1/freeNumber?country=ES&numberType=GEOGRAPHICAL\_NUMBERS&blockSize=1&serviceProfile=A3A&province=Barcelona&city=BARCELONA | {    "numberRangeList": [        {            "numberRangeStart": "+34930490382",            "numberRangeEnd": "+34930490382"        }    ]}    |

## Free Nomadic number search (Location Independent Numbers)

**Input parameters**

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Description |
| **header** |
| x-tracking-id | Mandatory | description: Unique identifier for the orderexample: abcd456e-d45645-dfaafda-1232345667ddpattern: ^[a-zA-Z0-9\_.~:@-]{1,255}$maxLength: 255 |
| **query** |
| country | Mandatory | Applicable for AT, DE, FR, IE, IT, NL, ES, SE, CH, GB, PT, FI, PL, RO, SK, CZ |
| serviceProfile | Optional | service profile associated with customer requestmandatory if customer has more than one service profile per country |
| numberType | Mandatory | For all countries (except CH) : LOCATION\_INDEPENDENT\_NUMBERSFor CH: CH\_WIDE\_CORPORATE\_NUMBERS |
| blockSize | Mandatory | IntegerAllowed blocksize:AT: 1PL: 100DE: 1,10,20,30,40,50,100,200,300,400,500,600,700,800,900, 1000,2000,3000, 4000,5000,6000,7000,8000,9000,10000Others: 1, 10, 100 |
| quantity | Optional | Not required for DEDefault:1Allowed quantity: 1,2,3,4,5,6,7,8,9 |

### GB (single number nomadic number search with quantity)

|  |  |
| --- | --- |
| Request | Response |
| **Method:** GET**Input parameters:**country: GBnumberType: LOCATION\_INDEPENDENT\_NUMBERSblockSize: 10quantity: 3serviceProfile: ANH**Request URL:**https://apis.colt.net/numberManagement/v1/freeNumber?country=GB&numberType=LOCATION\_INDEPENDENT\_NUMBERS&blockSize=10&quantity=3&serviceProfile=ANH | {    "numberRangeList": [        {            "numberRangeStart": "+445603754560",            "numberRangeEnd": "+445603754569"        },        {            "numberRangeStart": "+445603754570",            "numberRangeEnd": "+445603754579"        },        {            "numberRangeStart": "+445603754580",            "numberRangeEnd": "+445603754589"        }    ]} |

### DE (nomadic block search)

|  |  |
| --- | --- |
| Request | Response |
| **Method:** GET**Input parameters:**country: DEnumberType: LOCATION\_INDEPENDENT\_NUMBERSblockSize: 10serviceProfile: A3E**Request URL:**https://apis.colt.net/numberManagement/v1/freeNumber?country=DE&numberType=LOCATION\_INDEPENDENT\_NUMBERS&blockSize=10&serviceProfile=A3E | {    "numberRangeList": [        {            "numberRangeStart": "+4932222067510",            "numberRangeEnd": "+4932222067519"        },        {            "numberRangeStart": "+4932222067520",            "numberRangeEnd": "+4932222067529"        },        {            "numberRangeStart": "+4932222067530",            "numberRangeEnd": "+4932222067539"        }    ]}    |

### FR (nomadic number search without quantity)

|  |  |
| --- | --- |
| Request | Response |
| **Method:** GET**Input parameters:**country: FRnumberType: LOCATION\_INDEPENDENT\_NUMBERSblockSize: 1serviceProfile: A29**Request URL:**https://apis.colt.net/numberManagement/v1/freeNumber?country=FR&numberType=LOCATION\_INDEPENDENT\_NUMBERS&blockSize=1&serviceProfile=A29 |  {    "numberRangeList": [        {            "numberRangeStart": "+33977416927",            "numberRangeEnd": "+33977416927",            "isCustomerOwned": "false"        }    ]}    |

### CH (nomadic number/corporate number search with quantity)

|  |  |
| --- | --- |
| Request | Response |
| **Method:** GET**Input parameters:**country: CHnumberType: CH\_WIDE\_CORPORATE\_NUMBERSblockSize: 100quantity: 2serviceProfile: CS0**Request URL:**https://apis.colt.net/numberManagement/v1/freeNumber?country=CH&numberType=CH\_WIDE\_CORPORATE\_NUMBERS&blockSize=100&quantity=2&serviceProfile=CS0 | {    "numberRangeList": [        {            "numberRangeStart": "+41582684100",            "numberRangeEnd": "+41582684199"        },        {            "numberRangeStart": "+41582684200",            "numberRangeEnd": "+41582684299"        }    ]}    |

## Free UK WIDE 033X and 030X numbers

**Input parameters**

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Description |
| **header** |
| x-tracking-id | Mandatory | description: Unique identifier for the orderexample: abcd456e-d45645-dfaafda-1232345667ddpattern: ^[a-zA-Z0-9\_.~:@-]{1,255}$maxLength: 255 |
| **query** |
| country | Mandatory | Applicable for GB |
| serviceProfile | Optional | service profile associated with customer requestmandatory if customer has more than one service profile per country |
| numberType | Mandatory | Applicable for GB onlyUK\_WIDE\_ANY\_SERVICES, UK\_WIDE\_PUBLIC\_SERVICES |
| blockSize | Mandatory | IntegerAllowed blocksize: 1, 10, 100 |
| quantity | Optional | Default:1Allowed quantity: 1,2,3,4,5,6,7,8,9 |

### GB (UK WIDE-Any services number block search with quantity)

|  |  |
| --- | --- |
| Request | Response |
| **Method:** GET**Input parameters:**country: GBnumberType: UK\_WIDE\_ANY\_SERVICESblockSize: 10quantity: 2serviceProfile: ANH**Request URL:**https://apis.colt.net/numberManagement/v1/freeNumber?country=GB&numberType=UK\_WIDE\_ANY\_SERVICES&blockSize=10&quantity=2&serviceProfile=ANH | {    "numberRangeList": [        {            "numberRangeStart": "+443302367910",            "numberRangeEnd": "+443302367919"        },        {            "numberRangeStart": "+443302367920",            "numberRangeEnd": "+443302367929"        }    ]} |

### GB (UK WIDE-Public services number search without quantity)

|  |  |
| --- | --- |
| Request | Response |
| **Method:** GET**Input parameters:**country: GBnumberType: UK\_WIDE\_PUBLIC\_SERVICESblockSize: 1serviceProfile: ANH**Request URL:**https://apis.colt.net/numberManagement/v1/freeNumber?country=GB&numberType=UK\_WIDE\_PUBLIC\_SERVICES&blockSize=1&serviceProfile=ANH | {    "numberRangeList": [        {            "numberRangeStart": "+443033132959",            "numberRangeEnd": "+443033132959"        }    ]} |

## Free Customer Hosted Number search (FR)

### FR(Geo number search by prefix)

**Input Parameters:**

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Description |
| **header** |
| x-tracking-id | Mandatory | description: Unique identifier for the orderexample: abcd456e-d45645-dfaafda-1232345667ddpattern: ^[a-zA-Z0-9\_.~:@-]{1,255}$maxLength: 255 |
| **query** |
| country | Mandatory | Applicable for FR |
| serviceProfile | Optional | service profile associated with customer requestmandatory if customer has more than one service profile per country |
| numberPrefix | Mandatory | Accepted format: +<country\_code><LAC> in url encoded format(%2B<countryCode><LAC>) or (%2B<countryCode><LAC><LAC Extension) |
| numberType | Mandatory | *Available values* : GEOGRAPHICAL\_NUMBERS |
| blockSize | Mandatory | Allowed blocksize: 1, 10, 100 |
| quantity | Optional | Default:1Allowed quantity: 1,2,3,4,5,6,7,8,9 |

**Sample Request & Response**

|  |  |
| --- | --- |
| Request | Response |
| **Method:** GET**Input parameters:**country: FRnumberType: GEOGRAPHICAL\_NUMBERSblockSize: 10quantity: 2numberPrefix: %2B331 (LAC=1)serviceProfile: A29**Request URL:**https://apis.colt.net/numberManagement/v1/freeNumber?country=FR&numberType=GEOGRAPHICAL\_NUMBERS&blockSize=10&quantity=2&numberPrefix=%2B331&serviceProfile=A29 | {    "numberRangeList": [        {            "numberRangeStart": "+33173177470",            "numberRangeEnd": "+33173177479",            "isCustomerOwned": "true"        },        {            "numberRangeStart": "+33173177480",            "numberRangeEnd": "+33173177489",            "isCustomerOwned": "true"        }    ]} |

### FR(Location independent number search)

**Input Parameters:**

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Description |
| **header** |
| x-tracking-id | Mandatory | description: Unique identifier for the orderexample: abcd456e-d45645-dfaafda-1232345667ddpattern: ^[a-zA-Z0-9\_.~:@-]{1,255}$maxLength: 255 |
| **query** |
| country | Mandatory | Applicable for FR |
| serviceProfile | Optional | service profile associated with customer requestmandatory if customer has more than one service profile per country |
| numberType | Mandatory | *Available values* : LOCATION\_INDEPENDENT\_NUMBERS |
| blockSize | Mandatory | IntegerAllowed blocksize: 1, 10, 100 |
| quantity | Optional | Default:1Allowed quantity: 1,2,3,4,5,6,7,8,9 |

**Sample Request & response**

|  |  |
| --- | --- |
| Request | Response |
| **Method:** GET**Input parameters:**country: FRnumberType: LOCATION\_INDEPENDENT\_NUMBERSblockSize: 1serviceProfile: A29**Request URL:**https://apis.colt.net/numberManagement/v1/freeNumber?country=FR&numberType=LOCATION\_INDEPENDENT\_NUMBERS&blockSize=1&serviceProfile=A29 |  {    "numberRangeList": [        {            "numberRangeStart": "+33977416927",            "numberRangeEnd": "+33977416927",            "isCustomerOwned": "true"        }    ]}    |

### FR(Location independent number search by prefix)

**Input parameters:**

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Description |
| **header** |
| x-tracking-id | Mandatory | description: Unique identifier for the orderexample: abcd456e-d45645-dfaafda-1232345667ddpattern: ^[a-zA-Z0-9\_.~:@-]{1,255}$maxLength: 255 |
| **query** |
| country | Mandatory | Applicable for FR |
| serviceProfile | Optional | service profile associated with customer requestmandatory if customer has more than one service profile per country |
| numberPrefix | Optional | Field can be provided if specific numbers based on LAC or LAC + extensionAccepted format: +<country\_code><LAC> in url encoded format(%2B<countryCode><LAC>) or (%2B<countryCode><LAC><LAC Extension) |
| numberType | Mandatory | *Available values* : LOCATION\_INDEPENDENT\_NUMBERS |
| blockSize | Mandatory | IntegerAllowed blocksize: 1, 10, 100 |
| quantity | Optional | Default:1Allowed quantity: 1,2,3,4,5,6,7,8,9 |

**Sample request & response:**

|  |  |
| --- | --- |
| Request | Response |
| **Method:** GET**Input parameters:**country: FRnumberType: LOCATION\_INDEPENDENT\_NUMBERSblockSize: 1numberPrefix=%2B3397741 (LAC=97741)serviceProfile: A29**Request URL:**https://apis.colt.net/numberManagement/v1/freeNumber?country=FR&numberType=LOCATION\_INDEPENDENT\_NUMBERS&blockSize=1&numberPrefix=%2B3397741&serviceProfile=A29 |  {    "numberRangeList": [        {            "numberRangeStart": "+33977416927",            "numberRangeEnd": "+33977416927",            "isCustomerOwned": "true"        }    ]}    |

### FR (free number search by CLI)

**Input parameters:**

|  |  |  |
| --- | --- | --- |
| Parameter | Type | Description |
| **header** |
| x-tracking-id | Mandatory | description: Unique identifier for the orderexample: abcd456e-d45645-dfaafda-1232345667ddpattern: ^[a-zA-Z0-9\_.~:@-]{1,255}$maxLength: 255 |
| **query** |
| country | Mandatory | Applicable for FR |
| serviceProfile | Optional | service profile associated with customer requestmandatory if customer has more than one service profile per country |
| numberRangeStart | Optional | Applicable for search by CLI if the number is a hosted number.Start range of your block. Applicable only for FR. The number should be specified in E164 format and URL-encoded*Example* : %2B33173158533 |
| numberRangeEnd | Optional | Applicable for search by CLI if the number is a hosted number.End range of your block. Applicable only for FR. The number should be specified in E164 format and URL-encoded*Example* : %2B33173158533 |

**Sample request & response:**

|  |  |
| --- | --- |
| Request | Response |
| **Method:** GET**Input parameters:**country: FRserviceProfile: A29numberRangeStart: %2B33977416927numberRangeEnd: %2B33977416927**Request URL:**https://apis.colt.net/numberManagement/v1/freeNumber?country=FR&serviceProfile=A29&numberRangeStart=%2B33977416927&numberRangeEnd=%2B33977416927 |  {    "numberRangeList": [        {            "numberRangeStart": "+33977416927",            "numberRangeEnd": "+33977416927",            "isCustomerOwned": "true"        }    ]}    |