



Thank you for your interest in Blitz Telecom Consulting's API. On the following pages you will find API documentation that will include technical details and our Request/Response formats.

Background

An Application Programming Interface (API) is a set of standard functions that you can utilize in your own software applications. You call (send a request to) our API utilizing the format in the attached documentation. We then send a response to your request — the documentation will provide examples of possible responses.

Why Use an API?

- Shorter provisioning intervals
- Integration into your existing systems
- Greater flexibility

FAQs

- Our API is built using REST and JSON.
- Use of our API is free to qualifying wholesale customers.
- Version 2.7.1 was released 4 April 2016.

API Services

It is the customer's responsibility to build their own interfaces to our API. Our API allows you to:

- List customer trunk groups
- Search for new numbers
- Provision and route numbers
- Cancel numbers
- Manage account

Next Steps

Upon execution of a contract, Blitz will supply your API credentials.

Base URL:

https://customerapi.bliztelus.com:8443

TEST route:

/ (GET)

Body Type: None

Result

REST routes:

/blitzapi/User/SignIn (POST)

Used to Login and retrieve a JWT for future request which has an expiration period upon which you must re-authenticate and get a new token.

Body Type: JSON Object
username: string
password: string

Result type: JSON Object
JWT: string token for Authorization Header

Example:

POST

Header: Content-Type application/json

Body

```
{“username”: “johndoe”, “password”: “insecure”}
```

Results:

Header: Content-Type application/json

Returned Body

```
{“JWT”:
```

```
“eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpZCI6ImExYmJiMGFIODg0ZjQ2NmY3MDRmYTAzZjNmMGQzNTYzIiwiaWF0IjoiY2U2NDZmNDY1MTdiMmUxY2E3ODU4NjZhZTlxM2QxMzYiLCJpYXQiOiJlE0NTk5MDE3MjYsImV4cCI6MTQ1OTkzMDUyNn0.yjNVchtFvmmvPV9AIFAtplTIKpMBXgv70gLk-yOnV8s”}
```

/blitzapi/ResourceGroups (GET)

Returns a list of the current Resource Groups (SIP destination groups).

Body Type: None

Result Type: JSON array

id: int

description: string This is the description provided by customer when initial Resource Group is requested.

built: int 0 = not built, 1 = built

Example:

GET

Header: Content-Type application/json

Header: Authorization

Bearer eyJ0eXAI0iJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpZCI6ImExYmJiMGFIODg0ZjQ2NmY3MDRmYTAzZjNmMGQzNTYzliwiY2lkIjoieY2U2NDFmNDY1MTdiMmUxY2E3ODU4NjZhZTlxM2QxMzYiLCJpYXQiOiJlE0NTk5MDE3MjYslmV4cCI6MTQ1OTkzMDUyNn0.yjNVchtFvmmvPV9AIFAtplTIKpMBXgv70gLk-yOnV8s

Results:

Header: Content-Type application/json

Returned Body:

```
[{"id":2,"description":"Our Only Resource Group","built":1}]
```

/blitzapi/SearchForNumbers (POST)

Returns a list of available numbers using available search criteria. You must include a minimum of one of the rules, however, you can specify as many as are necessary to find the numbers you are looking for if they are in Inventory.

Body Type: JSON Object

ratecenter: string
state: string
lata: string
startswith: string
endswith: string
contains: string
qty: int defaults to 1 if not included

Successful Result Type JSON array

"id": int
"number": string
"ratecenter": string
"state": string
"lata": string

Unsuccessful Result Type JSON Object

"message": string "Data error, please retry"

Unsuccessful Result Type JSON object HTTP response code 412

"message": string "Invalid Quantity"

Unsuccessful Result Type JSON array HTTP response code 412

"message": string "Partial Fulfillment"
"Result": JSON array of numbers available
"id": int
"number": string
"ratecenter": string
"state": string
"lata": string

Example:

POST

Header: Content-Type application/json

Header: Authorization

Bearer eyJ0eXAIoiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpZCI6ImExYmJiMGFIODg0ZjQ2NmY3MDRmYTAzZjNmMGQzNTYzliwiY2lkIjoieY2U2NDFmNDY1MTdiMmUxY2E3ODU4NjZhZTIxM2QxMzYiLCJpYXQiOiJE0NTk5MDE3MjYslmV4cCI6MTQ1OTkzMDUyNn0.yjNVchtFvmmvPV9AIFAtplTIKpMBXgv70gLk-yOnV8s

Body

```
{"state": "FL", "startswith": "321", "contains": "2031", "endswith": "1886"}
```

Results

Header: Content-Type application/json

Returned Body:

```
[{"id":  
509427,"number":"3212031886","ratecenter":"WINTERPARK","state":"FL","lata":"458"}]
```

Note: The id field is what is used to order the returned entries

/blitzapi//RequestNumbers (POST)

Allows customer to place an order out of Inventory

Body Type: JSON array
id: int
resgroupid int
OPTIONAL
prefix: string

Result Type JSON array
"id": int
"number": string
"ratecenter": string
"state": string
"lata": string
"result": int

Example:

POST

Header: Content-Type application/json

Header: Authorization

Bearer eyJ0eXAIoiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpZCI6ImExYmJiMGFIODg0ZjQ2NmY3MDRmYTAzZjNmMGQzNTYzliwiY2lkIjoieY2U2NDZmNDY1MTdiMmUxY2E3ODU4NjZhZTlxM2QxMzYiLCJpYXQiOiJE0NTk5MDE3MjYslmV4cCI6MTQ1OTkzMDUyNn0.yjNVchtFvwmvPV9AIFAtplTIKpMBXgv70gLk-yOnV8s

Body

```
{"tnOrder":[{"id": 509427, "resgroupid": 3, "prefix": "11121"}]}
```

Result

Header: Content-Type application/json

Returned Body:

```
[{"id": 509427, "number": "3212031886", "ratecenter": "WINTERPARK", "state": "FL", "lata": "458", "result": 1}]
```

/blitzapi//ReturnNumbers (POST)

Allows customer to return numbers to Blitz.

Body Type: JSON array
number: string

Result Type none

Example:

POST

Header: Content-Type application/json

Header: Authorization

Bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpZCI6ImExYmJiMGFIODg0ZjQ2NmY3MDRmYTAzZjNmMGQzNTYzliwiY2lkIjoieY2U2NDZmNDY1MTdiMmUxY2E3ODU4NjZhZTlxM2QxMzYiLCJpYXQiOiJlbnRk5MDE3MjYsImV4cCI6MTQ1OTkzMDUyNn0.yjNVchtFvvmvPV9AIFAtpITIKpMBXgv70gLk-yOnV8s

Body

```
{"tnReturn":[{"number":"3212031886"}]}
```

Result

None

blitzapi/Assigned (GET)

Returns a list of the currently recorded assigned numbers.

Body Type: None

Result Type: JSON array

number: TN

outpulsed: Digits to be used in the R-URI user field.

trunkgroup_id: Id where TN is routed as designated by the customer when ordered.

Example:

GET

Header: Content-Type application/json

Header: Authorization Bearer

```
eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpZCI6ImExYmJiMGFIODg0ZjQ2NmY3MDRmYTAzZjNmMGQzNTYzIiwiaWF0IjoiY2U2NDZmNDY1MTdiMmUxY2E3ODU0NjZhZTlxM2QxMzYiLCJpYXQiOiJlOjE0NTk5MDE3MjYsImV4cCI6MTQ1OTkzMjUyNn0.yjNVchtFvwmvPV9AIFAtplTIKpMBXgv70gLk-yOnV8s
```

Results:

Header: Content-Type application/json

Returned Body:

```
[{"number": "5559876543", "outpulsed": "5559876543", "trunkgroup_id": 29}, {"number": "5553456789", "outpulsed": "5553456789", "trunkgroup_id": 29}]
```

blitzapi/Assigned/[number] (GET)

Returns a list of the currently recorded assigned numbers. To search for 5559876543 - replace *[number]* with 5559876543

Body Type: None

Result Type: JSON array

number: TN

outpulsed: Digits to be used in the R-URI user field.

trunkgroup_id: Id where TN is routed as designated by the customer when ordered.

Example:

GET

Header: Content-Type application/json

Header: Authorization Bearer

eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpZCI6ImExYmJiMGFIODg0ZjQ2NmY3MDRmYTAzZjNmMGQzNTYzIiwiaWF0IjoiY2U2NDZmNDY1MTdiMmUxY2E3ODU0NjZhZTIxM2QxMzYiLCJpYXQiOiJlNTk5MDE3MjYsImV4cCI6MTQ1OTkzMDUyNn0.yjNVchtFvmmvPV9AIFAtplTIKpMBXgv70gLk-yOnV8s

Results:

Header: Content-Type application/json

Returned Body:

```
[{"number": "5559876543", "outpulsed": "5559876543", "trunkgroup_id": 29}]
```