

## Company API Guide

### Introduction

The API for the iTest platform uses HTTPS calls to achieve all functionality and returns data using the XML V1.0 standard

To utilize the API you will need:

- An API authorised user account
- At least one configured profile

### API Access

Base URL: <https://api.i-test.net/>

Authentication (Required)

The username and password must be sent as a POST using the following format

email = Users Email Address  
pass = Users Password

### User Administration

#### List Users

To list available profiles append: '&t=1041'

Example URL: <https://api.i-test.net/?t=1041>

This returns a list of profiles in the following format:

```
<User_List>
  <User>
    <User_ID>123456789</User_ID>
    <User_First_Name>Joe</User_First_Name>
    <User_Last_Name>Blogs</User_Last_Name>
    <User_Email>joe.blogs@i-test.net</User_Email>
    <User_Role>admin</User_Role>
    <User_State>1</User_State>
  </User>
</User_List>
```

Where <User\_ID> contains the users ID

Where < User\_First\_Name > the users first name

Where <User\_Last\_Name> the users last name

Where <User\_Email> the email address of the user

Where <User\_Role> the role of the user ('admin' = Company administrator, 'user' = Standard user)

Where <User\_State> the state of the user (0 = disabled, 1 = enabled)

#### New / Update User

To create a new user or update an old user, add; '&t=4020' to the API request URL

Example URL: <https://api.i-test.net/?t=4020>

The following fields are required as URL options (GET requests)

'firstname' = The users first name  
'lastname' = The users last name  
'email' = The email of the user

'role' = The role of the user ('admin' = Company administrator, 'user' = Standard user)  
 'state' = The state of the user (0 = disable, 1 = enable)

The following fields are optional as URL options (GET requests)

'uid' = ID of the user to update (if this is not set then a new user is created)

The following fields are optional as URL options (POST requests)

'pass' = The password for the user

This returns a status to say the user was created / updated successfully

```
<User>
  <Administration>
    <Status>Success</Status>
  </Administration>
</User>
```

Where 'Success' is the return state of the transaction

#### Request One Time Password

To request a OTP for a user (so a URL can be used to authenticate a user) add; '&t=4024' to the API request URL

Example URL: <https://api.i-test.net/?t=4024>

The following fields are required as URL options (GET requests)

'id' = The users id

This will return the user OTP as below

```
<User>
  <04811849>
    <OTP>4vd8swebrrfdsc9q3bc02bachasdhb38</OTP>
  </04811849>
</User>
```

Where '04811849' is your UID

Where '4vd8swebrrfdsc9q3bc02bachasdhb38' is the OTP to be used in authentication

#### Set One Time Password

To set a OTP for a user (so a URL can be used to authenticate a user) add; '&t=4025' to the API request URL

Example URL: <https://api.i-test.net/?t=4025>

The following fields are required as URL options (GET requests)

'id' = The users id

The following fields are required as URL options (POST requests)

'otp' = The OTP (minimum 32 character random string to set)

This will return the status of the command as below

```
<User>
  <04811849>
    <Status>Success</Status>
  </04811849>
</User>
```

Where '04811849' is the UID

Where 'Success' is the return state of the transaction

## Profile Administration

### List Profiles

To list available profiles append: '&t=1011'

Example URL: <https://api.i-test.net/?t=1011>

This returns a list of profiles in the following format:

```
<Profiles_List>
  <Profile>
    <Profile_ID>123456789</Profile_ID>
    <Profile_Name>SIP Gateway Name</Profile_Name>
    <Profile_IP>SIP Gateway IP</Profile_IP>
    <Profile_Port>5060</Profile_Port>
    <Profile_Src_Number>xxxxxxxxxxx</Profile_Src_Number>
  </Profile>
</Profiles_List>
```

Where <Profile\_ID> contains the Profile ID

Where <Profile\_Name> contains the Profile Name

Where <Profile\_IP> contains the Profile IP

Where <Profile\_Port> contains the Profile Port

Where <Profile\_Src\_Number> contains the Profile Source Number (random source number is displayed as xxxxxxxxxxxx)

### Create new / Update Profile

To create a new / update an existing profile, add: '&t=5010' to the API request URL

Example URL: <https://api.i-test.net/?t=5010>

The following fields are required as URL options (GET requests)

|        |   |
|--------|---|
| 'name' | = The name to give this profile   |
| 'type' | = The type of profile ('std' = Voice, 'sms' = SMS)                          |
| 'ip'   | = The IP for of the SIP Gateway   |
| 'port' | = The Port of the SIP Gateway   |
| 'srcn' | = The Source number to use ('xxx' for random or number for specific number) |
| 'call' | = The maximum call duration   |
| 'ring' | = The maximum ring duration   |

The following fields are optional as URL options (GET requests)

|       |  |
|-------|--|
| 'pid' | = ID of the profile to update (if this is not set then a new profile is created) |
|-------|--|

This returns a status to say the Profile creation / update was successfully

```
<Profile>
  <1947219>
    <Status>Success</Status>
  </1947219>
</Profile>
```

Where '1947219' is the profile ID

Where 'Success' is the return state of the transaction

## Supplier Administration

To create a new / update an existing supplier, add; '&t=5020' to the API request URL

Example URL: <https://api.i-test.net/?t=5020>

The following fields are required as URL options (GET requests)

'name' = The name to give this supplier  
 'type' = The type of profile ('std' = Voice, 'sms' = SMS)  
 'codec' = The default codec to use ('alaw' = G.729 Alaw, 'ulaw' = G.729 Ulaw, 729 = G.729)

The following fields are optional as URL options (GET requests)

'sid' = ID of the supplier to update (if this is not set then a new supplier is created)  
 'prefix' = The prefix to apply to all dialed numbers using this supplier  
 'email' = an email address for this supplier to make sharing tests quicker

This returns a status to say the Supplier creation / update was successfully

```
<Supplier>
  <1947219>
    <Status>Success</Status>
  </1947219>
</Supplier>
```

Where '1947219' is the supplier ID

Where 'Success' is the return state of the transaction

## Number DataBase Administration

### Import Numbers to NDB

To import numbers into the NDB, add; '&t=5110' to the API request URL

Example URL: <https://api.i-test.net/?t=5110>

The following are required as POST Files

'uploadfile' = A file containing one number per line

This returns a status to say the NDB upload was successfully

```
<NDB>
  <Number_Upload>
    <Status>Success</Status>
  </Number_Upload>
</NDB>
```

Where 'Success' is the return state of the transaction

### Set Breakout Permissions per Supplier

To import numbers into the NDB, add; '&t=5150' to the API request URL

Example URL: <https://api.i-test.net/?t=5150>

The following fields are required as URL options (GET requests)

'sid' = The supplier ID

The following are required as POST Files

'uploadfile' = A file containing the list of breakouts in the following format

COUNTRY,BREAKOUT

Where 'COUNTRY' is the country name  
Where 'BREAKOUT' is the name of the breakout

These must match those set against the users already uploaded breakouts from their NDB (please ask for more information about the naming standard)

This returns a status to say the NDB upload was successfully

```
<NDB>  
  <Supplier_Permissions>  
    <Status>Success</Status>  
  </Supplier_Permissions>  
</NDB>
```

Where 'Success' is the return state of the transaction