

Reseller 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 Username / Password

No ID's are passed from the iTest platform back to the API user. All globally unique ID's are derived from the GUID used on your platform, combined with your API ID.

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

API_95718 = API User
API_84572 = API Password

Company Administration

New / Update Company

To create / update a company, add; '&t=4010' to the API request URL

Example URL: <https://api.i-test.net/?t=4010>

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

'cid' = Your local company ID (Used for identification your side)
'name' = Company name (For identification purposes on the iTest platform)
'enable' = The state of the company (0 = disable, 1 = enable)
'lockdown' = Is the company in lockdown (0 = false, 1 = true) (Lockdown is where users are unable to make any admin changes (User / Account)

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

```
<Company>
  <Administration>
    <Status>Success</Status>
  </Administration>
</Company>
```

Where 'Success' is the return state of the transaction

List Company

To list current API companies, add; '&t=4015' to the API request URL

Example URL: <https://api.i-test.net/?t=4015>

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

```
<Company>
  <Administration>
    <ID>50</ID>
```

```

    <Name>Company A</Name>
    <State>1</State>
    <Lockdown>0</Lockdown>
  </Administration>
</Company>

```

Where 'ID' is your ID of the company
 Where 'Name' is the name of the company
 Where 'State' is the admin state of the company
 Where 'Lockdown' is the lockdown state of the company

User Administration

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)

'cid'	= Your local company ID (Used for identification your side) that the user belongs to
'uid'	= Your local user ID (Used for identification your side)
'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 (POST requests)

'pass'	= The password for the user (sha1 hashed)
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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

If the optional password was not entered during a creation, then the password will be displayed as follows:

```

<User>
  <Administration>
    <Status>Success</Status>
    <Password>Password123</Password>
  </Administration>
</User>

```

Where 'Success' is the return state of the transaction
 Where 'Password' is the auto generated password

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)

'uid' = Your local user ID (Used for identification your side)

This will return the user OTP as below

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

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

This can be used to authenticate the user by appending it to the portal URL as follows:

<https://portal.i-test.net/?tauth8274=4vd8swebrrfdsc9q3bc02bachasdhb38>

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)

'uid' = Your local user ID (Used for identification your side)

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

Where 'Success' is the return state of the transaction

This can be used to authenticate the user by appending it to the portal URL as follows:

https://portal.i-test.net/?tauth8274=otp_used_in_post_request

Profile Administration

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)

'cid'	= Your local company ID (Used for identification your side)
'pid'	= Your local profile ID (Used for identification your side)
'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

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

```
<Profile>
  <Administration>
    <Status>Success</Status>
  </Administration>
</Profile>
```

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) (Use URL encoding for special characters)

'cid'	= Your local company ID (Used for identification your side) that the user belongs to
'sid'	= Your local supplier ID (Used for identification your side)
'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)

'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>
  <Administration>
    <Status>Success</Status>
  </Administration>
</Supplier>
```

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 fields are required as URL options (GET requests)

'cid' = Your local company ID (Used for identification your side)

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)

'cid' = Your local company ID (Used for identification your side)

'sid' = Your local 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