



Location Intelligence
Infrastructure Asset Management

Confirm[®]

Confirm Web API

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Specifications

The following sections outline all the Specifications that exist within the Confirm functionality.

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Confirm Web API

Introduction

The Confirm Web API allows data in Confirm to be modified via a web based application program interface (API).

The Confirm Web API is available automatically with the Confirm web interface.

Capabilities

Currently the API can be used to modify the following entities:

Entity	Operations
Features	Update a Feature's Conditions
Jobs	Create a Job Update the Status of a Job Commit a Job
Defects	Create a Defect
CentralEnquiries	Add Images and Documents to an Enquiry

OpenAPI Schema Definition

For more detailed information on how to use the Confirm Web API, refer to the schema definition:

- ConfirmWebApi.yaml

Generating an OAuth token

Follow the steps to generate an OAuth token:

1. Obtain your *API Key (Username)* and *Secret (password)* from Confirm system administrator
2. To generate the OAuth Token, encode your credentials (API Key and Secret) using base64 computation mechanism. To do this, provide API KEY and Secret to the base64 encoder (online encoder can be used), and generate the encoded 'base64value'.
3. The following format should be used while computing the {BASE64VALUE}:
{API KEY}:{SECRET}
4. Enter the generated 'base64value' in the header of the request and call the token URI as shown below:

```
Authorization: Basic {base64Value}
Content-Type: application/x-www-form-urlencoded
```

```
POST {Confirm web url}/api/{tenant}/oauth/token
grant_type=client_credentials
```

Here, {tenant} is the tenant name and {Confirm web url} is the URL where Confirm web is deployed, like <https://ConfirmWebServer/ConfirmWeb/>.

5. The access token is returned as follows:

```
{
  "access_token": "{your access token as a Base64 encoded value}",
  "token_type": "bearer",
  "expires_in": {The expiry time in seconds}
}
```