# Authentication - REST

## Authenticate

Xray provides a REST API with endpoints specifically made for dealing with test management.
Requests made to Xray's REST API must be authenticated based on an API Key created for some user in the Xray Global Settings: API Keys.
Thus, the first step you need to do is to obtain a token based on the Client ID and Client Secret of your assigned API Key. You can then use that token to make requests to the Xray Cloud.

Authenticates the requester based on the provided Client Id and Client Secret and returns an authorization token to be used in other API requests.

### Request

#### Example

**Authentication JSON**

```
{ "client_id": "32A27E69C0AC4E539C1401643709E8E7","client_secret":
"d62f81eb9ed859e22e54356dd8a00e4a5f0d0c2b2b52340776f6c7d6d757b962" }
```

**Example Requests**

curl -H "Content-Type: application/json" -X POST --data @"cloud_auth.json" https://xray.cloud.xpand-it.com/api/v1/authenticate

curl -H "Content-Type: application/json" -X POST --data '{ "client_id": "32A27E69B0AC4E539C1401643799E8E7","client_secret": "d62f81eb9ed859e11e54356dd8a00e4a5f0d0c2a2b52340776f6c7d6d757b962" }' https://xray.cloud.xpand-it.com/api/v1/authenticate

# the following example, shows a way of setting a shell variable with the token value, so it can be used in subsequent requests

token=$(curl -H "Content-Type: application/json" -X POST --data @"cloud_auth.json" https://xray.cloud.xpand-it.com/api/v1/authenticate| tr -d "")

### Responses

200 OK : **application/json** : Successful. Returns a JSON string (delimited with the " character), containing the authorization token.

**Example Output**


```
"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.
eyJ0ZW5hbnQiOiI0MjZiYzA4Yy02N2VmLTNjMjYtYWU1YS03NjczYTB1ZjIwNjkiLCJ1c2VyS2V5IjoiYW5kcmUucm9kcmlndWVzIiwiaW
F0IjixNTI1ODcxODkzLCJleHAiOjE1MjU5NTgyOTMsImF1ZCI6IhMyQTI3RTY5QjBBQzRFNTM5QzE0MDE2NDM3OTlFOEU3IiwiaXNzIjoi
Y29tLnhwYW5kaXQueHJheSIsInN1YiI6IjMyQTI3RTY5QjBBQzRFNTM5QzE0MDE2NDM3OTlFOEU3In0.
8ah2IQ9rA_zotyh_6trFgfIvhn2awdFFrOHnN2F2H7m"
```


400 BAD_REQUEST : **text/plain :** Wrong request syntax.

401 UNAUTHORIZED : **text/plain** : The Xray license is not valid.

500 INTERNAL SERVER ERROR : **text/plain** : An internal error occurred when authenticating the request.