

# Testing with CURL

## Generate OAUTH Token

To test any REST services you provide via Apex, an OAUTH token will be required. This makes debugging simpler and faster.

See [https://developer.salesforce.com/docs/atlas.en-us.api\\_rest.meta/api\\_rest/intro\\_understanding\\_username\\_password\\_oauth\\_flow.htm](https://developer.salesforce.com/docs/atlas.en-us.api_rest.meta/api_rest/intro_understanding_username_password_oauth_flow.htm) for a reference.

The following information is needed from the [Connected App Configuration](#):

- client\_id
- client\_secret

The OAUTH Token is generated using CURL.

### CURL - Generate OAUTH Token

```
curl -d "grant_type=password&client_id=<client_id>&client_secret=<client_secret>&username=<salesforce_user_name>&password=<salesforce_password><security_token>" -X POST https://login.salesforce.com/services/oauth2/token
```

**NOTE:** there is no space between <salesforce\_password> and <security\_token>

For the endpoints, use the following for the live system:

```
https://login.salesforce.com/services/oauth2/token
```

And the following for the test / sandbox system:

```
https://test.salesforce.com/services/oauth2/token
```

The following shows a sample response received from the Salesforce system:

### CURL - Generate OAUTH Token Sample Response

```
{ "access_token": "00D9E00000000ZG1!AQoAQATcoQIashdlkjhkerwjC87giIs5umhHmQA_xWbb4qqM2t1asdaSXrUs8J.WXmCRQr2K93FydCd4y4qdG7zOmGC0LgDxEDJEDpf4n7AiygkS", "instance_url": "https://cs88.salesforce.com", "id": "https://test.salesforce.com/id/00D9AAE000000AAAA0ZG1UAM/0059E000002GhnoQAC", "token_type": "Bearer", "issued_at": "1510758069682", "signature": "WKXl67nbYAAg+CeqU+eekp4AFDsasdasdarabctzlxmBN7DD7kcw=" }
```

The portion in "access\_token" is required for testing the APIs using CURL.