

Creating a Token Common

1. Select the environment you will be working in from the CMR environments table below.

CMR Environments Table

| CMR Environment | Base API URL | Associated Earthdata Login (URS) Environment |
|--------------------------------|---|---|
| Operational (OPS) | https://cmr.earthdata.nasa.gov | https://urs.earthdata.nasa.gov |
| User Acceptance Test (UAT) | https://cmr.uat.earthdata.nasa.gov | https://uat.urs.earthdata.nasa.gov |
| Systems Integration Test (SIT) | https://cmr.sit.earthdata.nasa.gov | https://sit.urs.earthdata.nasa.gov |

2. On a terminal window execute the curl command for the environment you selected.



Example

```
curl -X POST --header "Content-Type: application/xml" -d "<token><username>sample_username</username><password>sample-password</password><client_id>client_name_of_your_choosing</client_id><user_ip_address>your_origin_ip_address</user_ip_address> </token>" https://cmr.earthdata.nasa.gov/legacy-services/rest/tokens
```

Note:

- Depending on the environment you selected, the Base API URL may be different from the example. If so, replace the purple text with the correct Base API URL.
- If you are embedding the token REST messages into a programming language, create an HTTP message and place the same components from the curl example into either the message header or body.
- If you have special characters in your password, you will probably need to escape them using a backslash.

If you don't want to escape any characters, but still want to use curl - implement the "file input" option to create a file that looks like the following:



Example

```
<token>

<username>sample_username</username>
  <password>sample-password</password>
  <client_id>client_name_of_your_choosing</client_id>
  <user_ip_address>your_origin_ip_address</user_ip_address>
</token>
```

Note: *mytokengenerator.xml* can be used as a file name, which simplifies the command. See example underneath step 2 for original command and the example below for simplified command.



Example

```
curl -X POST --header "Content-Type: application/xml" -d @mytokengenerator.xml https://cmr.earthdata.nasa.gov/legacy-services/rest/tokens
```

Note: if using a programming language, just place the curl example parts into the correct http message header or body locations.

Provided a successful response is received, an HTTP success status code of 200 is supplied with the response. Below is a sample response from the curl call - where the value in the ID tag is the token you will use as the value in the Echo-Token header:

```
<?xmlversion="1.0"encoding="UTF-8"?>
```

<token>

<id>75E5CEBE-6BBB-2FB5-A613-0368A361D0B6</id>

<username>sample_username</username>

<client_id>client_name_of_your_choosing</client_id>

<user_ip_address>your_origin_ip_address</user_ip_address>

</token>