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API reference

Test

Code snippets

cURL

Java

JavaScript

Python

Scala

```
import requests

# NOTE: you must manually set API_KEY below using information retrieved from your IBM Cloud account.
API_KEY = "<your API key>"
token_response = requests.post('https://iam.cloud.ibm.com/identity/token', data={"apikey":
    API_KEY, "grant_type": 'urn:ibm:params:oauth:grant-type:apikey'})
mltoken = token_response.json()["access_token"]

header = {'Content-Type': 'application/json', 'Authorization': 'Bearer ' + mltoken}

# NOTE: manually define and pass the array(s) of values to be scored in the next line
payload_scoring = {"input_data": [{"fields": [array_of_input_fields], "values": [array_of_values_to_be_scored, another_array_of_values_to_be_scored]}]}

response_scoring = requests.post('https://us-south.ml.cloud.ibm.com/ml/v4/deployments/f8aa4e6b-4a68-470b-b8e1-13fc40814bd8/predictions?version=2022-11-
headers={'Authorization': 'Bearer ' + mltoken})
```

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```
const XMLHttpRequest = require("xmlhttprequest").XMLHttpRequest;

// NOTE: you must manually enter your API_KEY below using information retrieved from your IBM Cloud
const API_KEY = "<your API key>";

function getToken(errorCallback, loadCallback) {
    const req = new XMLHttpRequest();
    req.addEventListener("load", loadCallback);
    req.addEventListener("error", errorCallback);
    req.open("POST", "https://iam.cloud.ibm.com/identity/token");
    req.setRequestHeader("Content-Type", "application/x-www-form-urlencoded");
    req.setRequestHeader("Accept", "application/json");
    req.send("grant_type=urn:ibm:params:oauth:grant-type:apikey&apikey=" + API_KEY);
}
```

model Deployed Online

API reference Test

Code snippets

cURL

Java

JavaScript

Python

Scala

```
import java.io.*;
import java.net.MalformedURLException;
import java.util.Base64;
import java.util.HashMap;
import java.util.Map;
import java.net.HttpURLConnection;
import java.net.URL;
import java.nio.charset.StandardCharsets;
public class HttpClientTest {
    public static void main(String[] args) throws IOException {

        // NOTE: you must manually set API_KEY below using information retrieved from your IBM Cloud account.

        String API_KEY = "<your API key>";
```

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API reference Test

Code snippets

cURL

Java

JavaScript

Python

Scala

```
import scalaj.http.{Http, HttpOptions}
import scala.util.{Success, Failure}
import java.util.Base64
import java.nio.charset.StandardCharsets
import play.api.libs.json._

// NOTE: you must manually set API_KEY below using information retrieved from your IBM Cloud account.

val API_KEY = "<your api key>"

// Get IAM service token
val iam_url = "https://iam.cloud.ibm.com/identity/token"
val iam_response = Http(iam_url).header("Content-Type", "application/x-www-form-urlencoded").header("Accept",
"application/json").postForm(Seq("grant_type" -> "urn:ibm:params:oauth:grant-type:apikey",
"apikey" -> API_KEY)).asString
```

model

Deployed Online

API reference

Test

https://us-south.ml.cloud.ibm.com/ml/v4/deployments/f8aa4e6b-4a68-470b-b8e1-13fc40814bd8/predictions?version=2022-11-18

IAM

Code snippets

cURL

Java

JavaScript

Python

Scala

NOTE: you must set \$API_KEY below using information retrieved from your IBM Cloud account.

curl --insecure -X POST --header "Content-Type: application/x-www-form-urlencoded" --header "Accept: application/json" --data-urlencode "grant_type=urn:ibm:params:oauth:grant-type:apikey" --data-urlencode "apikey=\$API_KEY" "https://iam.cloud.ibm.com/identity/token"

the above CURL request will return an auth token that you will use as \$IAM_TOKEN in the scoring request below

TODO: manually define and pass values to be scored below

curl -X POST --header "Content-Type: application/json" --header "Accept: application/json" --header "Authorization: Bearer \$IAM_TOKEN" -d '{"input_data": [{"fields": [\$ARRAY_OF_INPUT_FIELDS], "values": [\$ARRAY_OF_VALUES_TO_BE_SCORED, \$ANOTHER_ARRAY_OF_VALUES_TO_BE_SCORED]}]}' "https://us-south.ml.cloud.ibm.com/ml/v4/deployments/f8aa4e6b-4a68-470b-b8e1-13fc40814bd8/predictions?version=2022-11-18"

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