

CLOUD DEPLOYMENT

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model Deployed Online

API reference Test

Code snippets

cURL	Java	JavaScript	Python	Scala
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```
# NOTE: you must set $API_KEY below using information retrieved from your IBM Cloud account.

curl --request 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://api.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",
$AUTHOR_ARRAY_OF_VALUES_TO_BE_SCORED}]}]}' "https://us-south-1-lb.cloud.ibm.com/v1/v4/api/v2/watson/v1/ibm-sec-4199/0123-0010e00017e1/operations?version=2023-12-"
```

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```
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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```
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 getAccessToken(callback, errorCallback) {
  const req = new XMLHttpRequest();
  req.onreadystatechange = () => {
    if (req.readyState === 4) {
      if (req.status === 200) {
        callback(req.responseText);
      } else {
        errorCallback(req.status, req.statusText);
      }
    }
  };
  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}`);
}
```

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```
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"})
accessToken = token_response.json()["access_token"]

headers = {"Content-Type": "application/json", "Authorization": "Bearer " + accessToken}

# 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/2f11bead-2eeb-4199-b152-865fda8907e2/predictions?version=2022-11-
headers={ "Authorization": "Bearer " + accessToken})
```

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```
import scala.io.StdIn
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"

// Set 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").postData(Base64.getEncoder.encodeBytes(s"grant_type=${API_KEY}" + API_KEY).getBytes)
```

Deployment SNSNP

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