Anomaly Detection Tutorial : Registration

T. J. Watson Research Center

IBM

(1) https://developer.ibm.com/apis/catalog/ai4industry--anomaly-detection-product/api/API--ai4industry--anomaly-detection-api

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Anomaly Detection

By IBM

Perform anomaly detection on timeseries data in your Industry 4.0 applications. The API allows the use of unsupervised techniques to detect anomalies in a univariate or multivariate batch of data. One can set the configuration to fine tune the model or rely on the optimal selection of the anomaly detection algorithm based on the input data.

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IBM Research Anomaly Detection API

Perform anomaly detection on timeseries data in your Industry 4.0 applications. The API allows the use of unsupervised techniques to detect anomalies in a univariate or multivariate batch of data. One can set the configuration to fine tune the model or rely on the optimal selection of the anomaly detection algorithm based on the input data.

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ai4industry: Anomaly Detection API Product

Active
Expires on Aug 8, 2023

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Anomaly Detection Service

It may take some time for system to add AD service to your account

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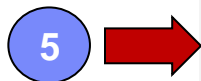
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Corporation

Copy Client ID and Client Secrets

⚙️ **Anomaly Detection**

Quick Access to your API

Read the API documentation ↗

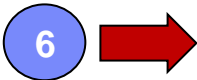**About your API subscription**

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Key management

API keys
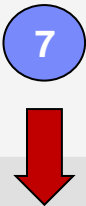
Add, remove and update keys below

🔍 **Generate API key** +

Name	Credentials
⌄ Key1	**Client ID** ••••••••••••••••••••••••••

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👁 ⧉ ⋮

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Copy Client ID and Client Secrets

Key management

API keys

Add, remove and update keys below

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🔍 **Generate API key** +

Name	Credentials		
Key1	**Client ID** ••••••••••••••••••••••••••••••		👁 🗐 ⋮
	Client secret ••		🗐

Test AD Service Credential

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Test AD Service Credential

⚙ **API reference**

Connection Check

`GET` /connection-check

Check the connection status of the anomaly detection service. If the service is ready, a message of "The anomaly detection service is up." will be returned.

Request URL

◄——— **9**

```
https://api.ibm.com/ai4industry/run/connection-check
```

Overview

Introduction

Getting Started

Anomaly Detection API

Connection Check

Connection Check

Get Result

Submit an Anomaly Detection Job

</> **Code snippet**

Connection Check ▼

cURL Ruby Python PHP Java Node Go Swift

```
1  curl --request GET \
2    --url https://api.ibm.com/ai4industry/run/connection-check \
3    --header 'X-IBM-Client-Id: REPLACE_THIS_KEY' \
4    --header 'X-IBM-Client-Secret: REPLACE_THIS_KEY' \
5    --header 'accept: application/json'
```

OpenAPI doc ⬇ Try this API ►

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Site feedback

Anomaly Detection Service

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Test AD Service Credential: If you see "200 OK", then the registration process is successful.

GET https://api.ibm.com

Request URL

https://api.ibm.com/ai4industry/run/connection-check

Security :

Identification

X-IBM-Client-Id

X-IBM-Client-Secret

•••••••••••••••••••••••••••••••••••••••

By clicking "Run request" below, you agree to the Terms and acknowledge the Privacy Policy.

Reset Parameters | Run request

Site feedback

APPLICATION/JSON

✅ **200** OK

Request

```
GET https://api.ibm.com/ai4industry/run/connection-check
Header:

Accept: application/json

X-IBM-Client-Id:

X-IBM-Client-Secret: ****************************
```

Response :

```
Code: 200
Header:
content-type: application/json
x-global-transaction-id:
x-ratelimit-limit: name=rate-limit-1,100;
x-ratelimit-remaining: name=rate-limit-1,99;
{
    "message": "The anomaly detection service is up."
}
```

Useful Links

- Developer IBM
  - https://developer.ibm.com/profile/myapis

- AD Service Spec
  - https://developer.ibm.com/apis/catalog/ai4industry--anomaly-detection-product/

- Getting Started Guide
  - https://developer.ibm.com/learningpaths/get-started-anomaly-detection-api

- Set of Notebooks
  - IBM/anomaly-detection-code-pattern: Sample Jupyter Notebook for playing around with the Anomaly Detection service to be made available on API Hub (github.com)