

## API Documentation for Environmental Sensor Service

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### Authentication

To interact with the API, clients must authenticate by including two key elements in every HTTP request:

1. **JWT Token:** This token must be included in the `Authorization` header of the request. It should be prefixed with the keyword `Bearer`.

Format: `Authorization: Bearer <jwt\_token>`

2. **Application Key:** This key must be provided as a query parameter in the API URL.

Format:

`https://iotext.azurewebsites.net/api/HttpTrigger1?appKey=<your\_application\_key>`

### API Endpoint

Our API can be accessed via the following endpoint:

`POST`

`https://iotext.azurewebsites.net/api/HttpTrigger1?appKey=<your\_application\_key>`

### Required Data Format

Clients need to send data in JSON format with the following keys:

```
{  
  "pm1": "<value>",  
  "pm2.5": "<value>",  
  "pm10": "<value>",  
  "Temperature": "<value>",  
  "Humidity": "<value>",  
  "pressure": "<value>",  
  "gas/KOhms": "<value>",  
  "IAQ": "<value>",  
  "mhz19_ppm": "<value>",  
  "CO2": "<value>",  
  "TVOC": "<value>"  
}
```

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## Example Request

Here is an example of an HTTP POST request using `curl`:

```
``bash
curl -X POST
https://iotext.azurewebsites.net/api/HttpTrigger1?appKey=<your_
application_key> \
-H "Content-Type: application/json" \
-H "Authorization: Bearer <jwt_token>" \
-d '{"pm1": "value1", "pm2.5": "value2", "pm10": "value3",
"Temperature": "value4", "Humidity": "value5", "pressure": "value6",
"gas/KOhms": "value7", "IAQ": "value8", "mhz19_ppm": "value9",
"CO2": "value10", "TVOC": "value11"}'
``
```

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## API Responses

- 200 OK\* The request was successful and the data was processed correctly.
- 400 Bad Request: The provided data is not in the correct format or required fields are missing.
- 401 Unauthorized: The JWT token is missing, invalid, or expired.
- 500 Internal Server Error: A server-side problem prevented the request from being processed.

For any help, please contact [contact@isty.co](mailto:contact@isty.co).

Your Key and JWT will be send during your on-boarding.

Welcome !