ChemDash public API

# Integration Guide.

How to integrate the API, explore available endpoints, and integrate it into your applications.

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V1.0

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Welcome to the official documentation for the ChemDash Public API. This guide will help you understand how to use the API, explore available endpoints, and integrate it into your applications.

# 1. Introduction

The ChemDash Public API provides developers with the ability to interact with our platform programmatically. It supports a variety of operations to manage data and automate workflows.

Key features include:

- A extensive set of endpoints.
- Easy integration using standard HTTPS methods.
- Swagger documentation for interactive exploration and testing.

Base URL for all endpoints:

https://localhost:9090/

# 2. Getting Started

- 1. Access the API: The API is accessible at:
  - Swagger UI: https://localhost:9090/index.html
  - Swagger JSON: <u>https://localhost:9090/swagger/v1/swagger.json</u>
- 2. **Request an Authorization Token:** While the authorization token is optional in the current version, it will be required in future releases. Contact us to receive your token.
- 3. **Enable Authorization Token Requirement:** If you are a developer testing the integration, you can enable the "Use Authorization Token" option in the app settings to simulate future software requirements.

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# **3.** Authentication

#### **Authorization Token**

- What is it? An authorization token ensures secure access to the API.
- **Current Requirement:** Tokens are optional for now but will become mandatory in future updates. Ensure you obtain and use your token to future-proof your integration.
- How to Use: Include the token in the Authorization header of your API requests:

#### Authorization: <your-token-here>

The Authorization header is mandatory to include the provided token when tokens are required (enabled).

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# 4. Using Swagger

Swagger provides an intuitive UI to explore and test the API endpoints.

#### **Accessing Swagger**

- Navigate to <u>https://localhost:9090/index.html</u>
- You'll find a list of all available endpoints, their request and response formats, and the ability to test each endpoint interactively.

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	POST /AuditLog/Filter			$\sim$			
	GET /AuditLog/GetAuditLogDetails			$\sim$			
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	POST /Devices/StartDeviceScan/{deviceId}			$\sim$			
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	POST /Devices/FilterDeviceCommands			$\sim$			
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#### **Testing with Swagger**

- 1. Open the Swagger UI.
- 2. Select an endpoint to expand its details.
- 3. Input any required parameters.
- 4. Click the "Try it out" button to execute a request.

# 5. Endpoints Overview

## Key Endpoints

Below is a summary of some commonly used endpoints.

Refer to Swagger for a complete list.

Endpoint	Method	Description
/Measurements/Filter	POST	Retrieves a list of measurements.
/Measurements / /GetMeasurementsDetails	POST	Retrieves details of measurements.
/Devices/Filter	POST	Retrieves a list of devices.
/Devices /GetDeviceSettings/{deviceId}	GET	Retrieves the settings of a device.
/Libraries/Filter	POST	Retrieves a list of libraries.
/Libraries/FilterLibraryItems	POST	Retrieves a list of substances (library items) from a library.
/Libraries/GetLibraryItemDetails	s POST	Retrieves details about a substance in a library.

# 6. Testing the API

#### **Using Swagger**

• Refer to Using Swagger.

#### **Using Curl**

• Example GET request:

curl.exe -X GET "https://localhost:9090/Statistics/GetStatistics"-H "<your-token-here>" -k

Response:

# { "entity": { "librariesCount": 3, "measurementsCount": 154, "usersCount": 16, "devicesCount": 3, "reportsCount": 22, "reportTemplatesCount": 4 } }

• Example POST request:

curl.exe -X POST 'https://localhost:9090/AuditLog/Filter' `

-H 'Authorization: <your-token-here>' `

-H 'Content-Type: application/json' `

-d '{\"startTime\":\"2025-01-19T14:45:01.426Z\",\"endTime\":\"2025-01-19T14:45:01.426Z\"}' `

<mark>-k</mark>

Response:
"entity": {
items": [
"auditDateTimeUtc": "2025-01-16T15:26:22.196861",
"auditUpdatedFields": null,
"auditType": "Update",
"id": "56fbf45b-4f5d-4bc1-9cac-409656c70903",
"operation": "Edit Library",
"userDomain": "LEGION-VLAD",
"userName": "Administrator",
"userType": "SuperAdmin"
<mark>}</mark> ,
<mark>. ]</mark> ,
<mark>"total": 1055</mark>
3
}

# 7. FAQs

#### Q: Is the API free to use?

A: Yes, the API is free to use.

#### Q: How can I get an authorization token?

A: Request your token by contacting our team at sales@serstech.com

#### Q: What happens if I don't use an authorization token now?

A: Your requests will still work for now. However, future versions of the software will require the token.

#### Q: Can I test the API locally?

A: Yes, enable the "Use Authorization Token" option in app settings to simulate token requirements during local testing.

# 8. Legal Information

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# **10. Equipment Modifications**

This equipment must be installed and used in strict accordance with the instructions given in the user documentation. This equipment contains no user-serviceable components. Unauthorized equipment changes or modifications will invalidate all applicable regulatory certifications and approvals.

## **11. Support**

For further assistance, please contact your SERSTECH reseller. If your questions cannot be answered immediately, the reseller will forward your queries to ensure a rapid response. For more information, please visit our Support or check our FAQ page: <u>www.serstech.com/support</u> or email to: helpdesk@serstech.com

Thank you for using the ChemDash Public API. We look forward to seeing the incredible applications you create!