# **CVE Dashboard API Documentation**

This document provides details on the API endpoints available for the CVE Dashboard application. The base URL for all API endpoints is your server's address (e.g., http://127.0.0.1:8000).

## **1. List All CVEs**

This endpoint retrieves a paginated and sortable list of all CVEs stored in the database.

* **URL**: /api/cves/
* **Method**: GET
* **Success Response**:
  + **Code**: 200 OK
  + **Content**: A paginated JSON object containing a list of CVEs.  
    {  
     "count": 240589,  
     "next": "http://127.0.0.1:8000/api/cves/?page=2",  
     "previous": null,  
     "results": [  
     {  
     "cve\_id": "CVE-2023-4567",  
     "published\_date": "10 Aug 2023",  
     "last\_modified\_date": "11 Aug 2023",  
     "status": "Analyzed"  
     },  
     {  
     "cve\_id": "CVE-2023-1234",  
     "published\_date": "09 Aug 2023",  
     "last\_modified\_date": "10 Aug 2023",  
     "status": "Modified"  
     }  
     ]  
    }

### **Query Parameters**

You can add the following optional query parameters to the URL to control pagination and sorting.

* **page**: The page number you want to retrieve.
  + **Example**: /api/cves/?page=3
* **per\_page**: The number of results to display per page (default is 10, max is 100).
  + **Example**: /api/cves/?per\_page=50
* **ordering**: The field to sort the results by. Prepending a - to the field name reverses the order (descending).
  + **Allowed Fields**: cve\_id, published\_date, last\_modified\_date, status
  + **Example (Oldest first)**: /api/cves/?ordering=published\_date
  + **Example (Newest first)**: /api/cves/?ordering=-published\_date

## **2. Retrieve a Single CVE**

This endpoint retrieves the complete, raw JSON data for a single CVE by its unique ID.

* **URL**: /api/cves/<cve\_id>/
* **Method**: GET
* **URL Parameters**:
  + **Required**: cve\_id (The ID of the CVE, e.g., CVE-2022-12345)
* **Success Response**:
  + **Code**: 200 OK
  + **Content**: The full JSON object for the specified CVE.  
    {  
     "raw\_data": {  
     "id": "CVE-2022-12345",  
     "sourceIdentifier": "cve@mitre.org",  
     "published": "2022-10-17T14:15:10.740",  
     "lastModified": "2023-08-10T11:15:09.123",  
     "vulnStatus": "Analyzed",  
     "descriptions": [  
     {  
     "lang": "en",  
     "value": "A detailed description of the vulnerability..."  
     }  
     ],  
     "metrics": {  
     "cvssMetricV2": [  
     {  
     "source": "nvd@nist.gov",  
     "type": "Primary",  
     "cvssData": {  
     "version": "2.0",  
     "vectorString": "AV:N/AC:L/Au:N/C:P/I:P/A:P",  
     "baseScore": 7.5  
     },  
     "baseSeverity": "HIGH",  
     "exploitabilityScore": 10.0,  
     "impactScore": 6.4  
     }  
     ]  
     },  
     "configurations": [  
     {  
     "nodes": [  
     {  
     "operator": "OR",  
     "negate": false,  
     "cpeMatch": [  
     {  
     "vulnerable": true,  
     "criteria": "cpe:2.3:a:vendor:product:1.0:\*:\*:\*:\*:\*:\*:\*",  
     "matchCriteriaId": "ABCDEF-1234-..."  
     }  
     ]  
     }  
     ]  
     }  
     ]  
     }  
    }
* **Error Response**:
  + **Code**: 404 Not Found
  + **Content**:  
    {  
     "detail": "Not found."  
    }