

API DOC-CVE

GET http://localhost:5000

http://localhost:5000/cves/CVE-2025-5545

StartFragmentThis API returns the **total number of CVE records** stored in the database.EndFragment

StartFragment

Example Response:

Plain Text

```
{
  "total_records": 350
}
```

EndFragment

GET http://localhost:5000/cves/list

http://localhost:5000/cves/list

StartFragment

GET /cves/list

Description:

This API fetches a paginated list of CVEs. You can filter results using query parameters like `year`, `cvss_score`, and `cve_id`.

Query Parameters:

Parameter	Type	Description	Example
<code>page</code>	<code>int</code>	Page number (default: 1)	<code>1</code>
<code>per_page</code>	<code>int</code>	Records per page (default: 10)	<code>20</code>
<code>sort_by</code>	<code>string</code>	Sort field (<code>published_date</code> or	<code>published_date</code>

		last_modified_date)	
sort_order	string	Sort order (asc or desc) (default: desc)	asc
year	string	Filter by year of CVE publication	2023
cvss_score	float	Filter by CVSS base score	7.5
cve_id	string	Fetch a specific CVE	CVE-2023-12345

Example Request:

Plain Text

```
{
  "total": 500,
  "cves": [
    {
      "id": "CVE-2023-12345",
      "description": "cve@mitre.org",
      "published_date": "2023-10-15",
      "last_modified_date": "2024-02-01",
      "status": "Published"
    }
  ]
}
```

EndFragment

GET http://localhost:5000/cves/CVE-1999-0297

http://localhost:5000/cves/CVE-1999-0297

StartFragmentThis API fetches **detailed information** about a **specific CVE** using its ID.EndFragment

StartFragment

Path Parameter:

Parameter	Type	Description	Example
cve_id	string	The unique CVE identifier	CVE-2023-12345

EndFragment

StartFragment

StartFragment

Example Response:

Plain Text

```
{
  "id": "CVE-2023-12345",
  "description": "cve@mitre.org",
  "published_date": "2023-10-15",
  "last_modified_date": "2024-02-01",
  "status": "Published",
  "cvss_metrics": {
    "severity": "HIGH",
    "base_score": 8.2,
    "vector_string": "AV:N/AC:L/Au:N/C:P/I:P/A:P",
    "exploitability_score": 3.9.
  }
}
```

EndFragment

GET http://localhost:5000/cves/CVE-2025-5545

http://localhost:5000/cves/CVE-2025-5545

StartFragment

| 404 |

| "CVE not found" |

| The requested CVE ID does not exist |

EndFragment