

Quick Start Instructions for CWE REST API Users

The API is available without any need to register or use any credentials.

The URL to access the API is: <https://cwe-api.mitre.org/api/v1/cwe/>

The available endpoints are:

CWE			^
GET	/cwe/version	CWE content version	📋 ↩️ @ ∨
GET	/cwe/{id(s)}	CWE ID type	📋 ↩️ @ ∨
GET	/cwe/weakness/{id(s)}	CWE weaknesses	📋 ↩️ @ ∨
GET	/cwe/category/{id(s)}	CWE categories	📋 ↩️ @ ∨
GET	/cwe/view/{id(s)}	CWE views	📋 ↩️ @ ∨
GET	/cwe/{id}/parents	The parent of a specified weakness, sampling by the view	📋 ↩️ @ ∨
GET	/cwe/{id}/descendants	All descendants of a specified weakness, sampling by the view	📋 ↩️ @ ∨
GET	/cwe/{id}/children	Children of a specified weakness, sampling by the view	📋 ↩️ @ ∨
GET	/cwe/{id}/ancestors	The ancestors of a specified weakness, sampling by the view	📋 ↩️ @ ∨

To view detailed documentation of the endpoints, use the swagger.io website:

[Swagger editor](#) and import the file [openapi.json](#)

Note that a request for the children, parents, descendants or ancestors of an existing CWE will return an empty list, [], and a status of 200 if none exist. However, requesting a CWE id that does not exist from one of those endpoints will return a status of 404.

Additionally, using an endpoint for the wrong type of CWE (e.g., using the weakness endpoint for a category) will also return a status of 404.

Here are examples of each endpoint to try:

Note: examples use the full URL

– <https://cwe-api.mitre.org/api/v1/cwe/version>

- <https://cwe-api.mitre.org/api/v1/cwe/74,79>
- <https://cwe-api.mitre.org/api/v1/cwe/weakness/79>
- <https://cwe-api.mitre.org/api/v1/cwe/category/189>
- <https://cwe-api.mitre.org/api/v1/cwe/view/1425>
- <https://cwe-api.mitre.org/api/v1/cwe/74/parents?view=1000>
- <https://cwe-api.mitre.org/api/v1/cwe/74/descendants?view=1000>
- <https://cwe-api.mitre.org/api/v1/cwe/74/children?view=1000>
- <https://cwe-api.mitre.org/api/v1/cwe/74/ancestors?view=1000>