

The REST API is now versioned. For more information, see ["About API versioning."](#)

Software bill of materials (SBOM)

Use the REST API to export the software bill of materials (SBOM) for a repository.

If you have at least read access to the repository, you can export the dependency graph for the repository as an SPDX-compatible, Software Bill of Materials (SBOM), via the GitHub UI or GitHub REST API. For more information, see ["Exporting a software bill of materials for your repository."](#)

This article gives details about the REST API endpoint.

Export a software bill of materials (SBOM) for a repository. [↗](#)

Exports the software bill of materials (SBOM) for a repository in SPDX JSON format.

Parameters for "Export a software bill of materials (SBOM) for a repository."

Headers

accept string
Setting to `application/vnd.github+json` is recommended.

Path parameters

owner string **Required**
The account owner of the repository. The name is not case sensitive.

repo string **Required**
The name of the repository without the `.git` extension. The name is not case sensitive.

HTTP response status codes for "Export a software bill of materials (SBOM) for a repository."

Status code	Description
200	OK
403	Forbidden
404	Resource not found

Code samples for "Export a software bill of materials (SBOM) for a repository."

```
GET /repos/{owner}/{repo}/dependency-graph/sbom
```

cURLJavaScriptGitHub CLI

curl -L \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-API-Version: 2022-11-28" \ http(s)://HOSTNAME/api/v3/repos/OWNER/REPO/dependency-graph/sbom

Response

Example responseResponse schema

Status: 200

{ "sbom": { "SPDXID": "SPDXRef-DOCUMENT", "spdxVersion": "SPDX-2.3", "creationInfo": { "created": "2021-09-01T00:00:00Z", "creators": ["Tool: GitHub.com-Dependency-Graph"] }, "name": "github/example", "dataLicense": "CC0-1.0", "documentDescribes": ["github/example"], "documentNamespace": "https://github.com/github/example/dependency_graph/sbom-abcdef123456", "packages": [{ "SPDXID": "SPDXRef-Package", "name": "rubygems:rails", "versionInfo": "1.0.0", "downloadLocation": "NOASSERTION", "filesAnalyzed": false, "licenseConcluded": "MIT", "licenseDeclared": "MIT" }] } }

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