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The REST API is now versioned. For more information, see "About API versioning."

Check Runs

GitHub Docs

Use the REST API to manage check runs.

Create a check run @

Works with GitHub Apps

Note: The Checks API only looks for pushes in the repository where the check suite or check run were created. Pushes to a branch in a forked repository are not detected and return an empty pull_requests array.

Creates a new check run for a specific commit in a repository. Your GitHub App must have the checks:write permission to create check runs.

In a check suite, GitHub limits the number of check runs with the same name to 1000. Once these check runs exceed 1000, GitHub will start to automatically delete older check runs.

Parameters for "Create a check run"

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.

Body parameters

name string Required

The name of the check. For example, "code-coverage".

head_sha string Required

The SHA of the commit.

details_url string

The URL of the integrator's site that has the full details of the check. If the integrator does not provide this, then the homepage of the GitHub app is used.

external_id string

A reference for the run on the integrator's system.

status string

The current status.

Default: queued

Can be one of: queued , in_progress , completed

started_at string

The time that the check run began. This is a timestamp in ISO 8601 format: YYYY-MM-DDTHH:MM:SSZ.

conclusion string

Required if you provide completed_at **or a** status **of** completed . The final conclusion of the check. **Note:** Providing conclusion will automatically set the status parameter to completed . You cannot change a check run conclusion to stale , only GitHub can set this.

Can be one of: action_required , cancelled , failure , neutral , success , skipped , stale , timed_out

completed_at string

The time the check completed. This is a timestamp in ISO 8601 format: YYYY-MM-DDTHH: MM: SSZ .

output object

Check runs can accept a variety of data in the output object, including a title and summary and can optionally provide descriptive details about the run.

▶ Properties of output

actions array of objects

Displays a button on GitHub that can be clicked to alert your app to do additional tasks. For example, a code linting app can display a button that automatically fixes detected errors. The button created in this object is displayed after the check run completes. When a user clicks the button, GitHub sends the check_run.requested_action_webhook to your app. Each action includes a label , identifier and description . A maximum of three actions are accepted. To learn more about check runs and requested actions, see "Check runs and requested actions."

▶ Properties of actions

HTTP response status codes for "Create a check run"

Status code Description

201 Created

Code samples for "Create a check run"

Example of an in_progress conclusion \$

POST /repos/{owner}/{repo}/check-runs

cURL JavaScript

curl -L \ -X POST \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-Api-Version: 2022-11-28" \ https://api.github.com/repos/OWNER/REPO/check-runs \ -d

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'{"name":"mighty_readme","head_sha":"ce587453ced02b1526dfb4cb910479d431683101","status":"in_progress","external_id":"42","started_at":"2018-05-04T01:14:52Z","output":{"title":"Mighty Readme report","summary":"","text":""}}'

Response for in_progress conclusion

Example response Response

Response schema

Status: 201

{ "id": 4, "head_sha": "ce587453ced02b1526dfb4cb910479d431683101", "node_id": "MDg6Q2hlY2tSdW40", "external_id": "42", "url":

"https://api.github.com/repos/github/hello-world/check-runs/4", "html_url": "https://github.com/github/hello-world/runs/4", "details_url":

"https://example.com", "status": "in_progress", "conclusion": null, "started_at": "2018-05-04T01:14:52Z", "completed_at": null, "output":

{ "title": "Mighty Readme report", "summary": "There are 0 failures, 2 warnings, and 1 notice.", "text": "You may have some misspelled words on lines 2 and 4. You also may want to add a section in your README about how to install your app.", "annotations_count": 2,

"annotations_url": "https://api.github.com/repos/github/hello-world/check-runs/4/annotations" }, "name": "mighty_readme", "check_suite": { "annotations_url": "https://api.github.com/repos/github/hello-world/check-runs/4/annotations" }

Get a check run @

Works with GitHub Apps

Note: The Checks API only looks for pushes in the repository where the check suite or check run were created. Pushes to a branch in a forked repository are not detected and return an empty pull requests array.

Gets a single check run using its id . GitHub Apps must have the checks: read permission on a private repository or pull access to a public repository to get check runs. OAuth apps and authenticated users must have the repository.

Parameters for "Get a check run"

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.

check_run_id integer Required

The unique identifier of the check run.

HTTP response status codes for "Get a check run"

Status code	Description
200	ОК

Code samples for "Get a check run"



curl -L \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-Api-Version: 2022-11-28" \ https://api.github.com/repos/OWNER/REPO/check-runs/CHECK_RUN_ID

Response

```
Example response Response schema

Status: 200

{ "id": 4, "head_sha": "ce587453ced02b1526dfb4cb910479d431683101", "node_id": "MDg6Q2hlY2tSdW40", "external_id": "", "url": "https://api.github.com/repos/github/hello-world/check-runs/4", "html_url": "https://github.com/github/hello-world/runs/4", "details_url": "https://example.com", "status": "completed", "conclusion": "neutral", "started_at": "2018-05-04T01:14:52Z", "completed_at": "2018-05-04T01:14:52Z", "output": { "title": "Mighty Readme report", "summary": "There are 0 failures, 2 warnings, and 1 notice.", "text": "You may have some misspelled words on lines 2 and 4. You also may want to add a section in your README about how to install your app.", "annotations_count": 2, "annotations_url": "https://api.github.com/repos/github/hello-world/check-runs/4/annotations" }, "name":
```

Update a check run @

Works with GitHub Apps

Updates a check run for a specific commit in a repository. Your GitHub App must have the checks:write permission to edit check runs.

Note: The endpoints to manage checks only look for pushes in the repository where the check suite or check run were created. Pushes to a branch in a forked repository are not detected and return an empty pull requests array.

Parameters for "Update a check run"

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.

check_run_id integer Required

The unique identifier of the check run.

Body parameters

name string

The name of the check. For example, "code-coverage".

details_url string

The URL of the integrator's site that has the full details of the check.

external_id string

A reference for the run on the integrator's system.

started_at string

This is a timestamp in ISO 8601 format: YYYY-MM-DDTHH:MM:SSZ.

status string

The current status.

Can be one of: queued, in progress, completed

conclusion string

Required if you provide completed_at or a status of completed. The final conclusion of the check. Note: Providing conclusion will automatically set the status parameter to completed. You cannot change a check run conclusion to stale, only GitHub can set this.

Can be one of: action_required , cancelled , failure , neutral , success , skipped , stale , timed_out

completed_at string

The time the check completed. This is a timestamp in ISO 8601 format: YYYY-MM-DDTHH:MM:SSZ.

output object

Check runs can accept a variety of data in the output object, including a title and summary and can optionally provide descriptive details about the run.

▶ Properties of output

actions array of objects

Possible further actions the integrator can perform, which a user may trigger. Each action includes a label, identifier and description. A maximum of three actions are accepted. To learn more about check runs and requested actions, see "Check runs and requested actions."

▶ Properties of actions

HTTP response status codes for "Update a check run"

Status code	Description
200	ОК

Code samples for "Update a check run"

PATCH /repos/{owner}/{repo}/check-runs/{check_run_id}

cURL JavaScript

curl -L \ -X PATCH \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-Api-Version: 2022-11-28" \ https://api.github.com/repos/OWNER/REPO/check-runs/CHECK_RUN_ID \ -d '{"name":"mighty_readme","started_at":"2018-05-

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04T01:14:52Z", "status": "completed", "conclusion": "success", "completed_at": "2018-05-04T01:14:52Z", "output": {"title": "Mighty Readme

report", "summary": "There are 0 failures, 2 warnings, and 1 notices.", "text": "You may have some misspelled words on lines 2 and 4. You also may want to add a section in your README about how to install your app.", "annotations":

[{"path":"README.md","annotation_level":"warning","title":"Spell Checker","message":"Check your spelling for

Response

Example response

Response schema

Status: 200

{ "id": 4, "head_sha": "ce587453ced02b1526dfb4cb910479d431683101", "node_id": "MDg602hlY2tSdW40", "external_id": "", "url": "https://api.github.com/repos/github/hello-world/check-runs/4", "html_url": "https://github.com/github/hello-world/runs/4", "details_url": "https://example.com", "status": "completed", "conclusion": "neutral", "started_at": "2018-05-04T01:14:52Z", "completed_at": "2018-05-04T01:14:52Z", "output": { "title": "Mighty Readme report", "summary": "There are 0 failures, 2 warnings, and 1 notice.", "text": "You may have some misspelled words on lines 2 and 4. You also may want to add a section in your README about how to install your app.", "annotations_count": 2, "annotations_url": "https://api.github.com/repos/github/hello-world/check-runs/4/annotations" }, "name":

List check run annotations @

Works with <u>GitHub Apps</u>

Lists annotations for a check run using the annotation id. GitHub Apps must have the checks: read permission on a private repository or pull access to a public repository to get annotations for a check run. OAuth apps and authenticated users must have the repo scope to get annotations for a check run in a private repository.

Parameters for "List check run annotations"

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.

check_run_id integer Required

The unique identifier of the check run.

Query parameters

per_page integer

The number of results per page (max 100).

Default: 30

page integer

Page number of the results to fetch.

Default: 1

HTTP response status codes for "List check run annotations"

Status code	Description
200	OK

Code samples for "List check run annotations"



curl -L \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-Api-Version: 2022-11-28" \ https://api.github.com/repos/OWNER/REPO/check-runs/CHECK_RUN_ID/annotations

Response

```
Example response Response schema

Status: 200

[ { "path": "README.md", "start_line": 2, "end_line": 2, "start_column": 5, "end_column": 10, "annotation_level": "warning", "title": "Spell Checker", "message": "Check your spelling for 'banaas'.", "raw_details": "Do you mean 'bananas' or 'banana'?", "blob_href": "https://api.github.com/repos/github/rest-api-description/git/blobs/abc" } ]
```

Rerequest a check run @

Works with <u>GitHub Apps</u>

Triggers GitHub to rerequest an existing check run, without pushing new code to a repository. This endpoint will trigger the check_run_webhook event with the action rerequested. When a check run is rerequested, its status is reset to queued and the conclusion is cleared.

To rerequest a check run, your GitHub App must have the checks:read permission on a private repository or pull access to a public repository.

For more information about how to re-run GitHub Actions jobs, see "Re-run a job from a workflow run".

Parameters for "Rerequest a check run"

Headers

accept string

Setting to $\mbox{\ application/vnd.github+json\ }$ 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.

check_run_id integer Required

The unique identifier of the check run.

HTTP response status codes for "Rerequest a check run"

Status code	Description
201	Created
403	Forbidden if the check run is not rerequestable or doesn't belong to the authenticated GitHub App
404	Resource not found
422	Validation error if the check run is not rerequestable

Code samples for "Rerequest a check run"



Response

Example response Response schema
Status: 201

List check runs in a check suite &

Lists check runs for a check suite using its id. GitHub Apps must have the checks: read permission on a private repository or pull access to a public repository to get check runs. OAuth apps and authenticated users must have the repository check runs in a private repository.

Note: The endpoints to manage checks only look for pushes in the repository where the check suite or check run were created. Pushes to a branch in a forked repository are not detected and return an empty pull requests array.

Parameters for "List check runs in a check suite"

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.

check_suite_id integer Required

The unique identifier of the check suite.

Query parameters

check_name string

Returns check runs with the specified name .

status string

Returns check runs with the specified status.

Can be one of: queued, in progress, completed

filter string

Filters check runs by their completed_at timestamp. latest returns the most recent check runs.

Default: latest

Can be one of: latest, all

per_page integer

The number of results per page (max 100).

Default: 30

page integer

Page number of the results to fetch.

Default: 1

HTTP response status codes for "List check runs in a check suite"

Status code Description

200 OK

Code samples for "List check runs in a check suite"

/repos/{owner}/{repo}/check-suites/{check_suite_id}/check-runs

cURL JavaScript GitHub CLI

curl -L \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-Api-Version: 2022-11-28" \ https://api.github.com/repos/OWNER/REPO/check-suites/CHECK_SUITE_ID/check-runs

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Response

Example response Response schema

Status: 200

{ "total_count": 1, "check_runs": [{ "id": 4, "head_sha": "ce587453ced02b1526dfb4cb910479d431683101", "node_id": "MDg6Q2hlY2tSdW40", "external_id": "", "url": "https://api.github.com/repos/github/hello-world/check-runs/4", "html_url": "https://github.com/github/hello-world/runs/4", "details_url": "https://example.com", "status": "completed", "conclusion": "neutral", "started_at": "2018-05-04T01:14:52Z", "completed_at": "2018-05-04T01:14:52Z", "output": { "title": "Mighty Readme report", "summary": "There are 0 failures, 2 warnings, and 1 notice.", "text": "You may have some misspelled words on lines 2 and 4. You also may want to add a section in your README about how to install your app.", "annotations_count": 2, "annotations_url": "https://api.github.com/repos/github/hello-world/check-runs/4/annotations"

List check runs for a Git reference @

Works with GitHub Apps

Lists check runs for a commit ref. The ref can be a SHA, branch name, or a tag name. GitHub Apps must have the checks: read permission on a private repository or pull access to a public repository to get check runs. OAuth apps and authenticated users must have the repo scope to get check runs in a private repository.

Note: The endpoints to manage checks only look for pushes in the repository where the check suite or check run were created. Pushes to a branch in a forked repository are not detected and return an empty pull requests array.

If there are more than 1000 check suites on a single git reference, this endpoint will limit check runs to the 1000 most recent check suites. To iterate over all possible check runs, use the <u>List check suites</u> for a <u>Git reference</u> endpoint and provide the check_suite_id parameter to the <u>List check runs in a check suite</u> endpoint.

Parameters for "List check runs for a Git reference"

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.

ref string Required

The commit reference. Can be a commit SHA, branch name (heads/BRANCH_NAME), or tag name (tags/TAG_NAME). For more information, see "Git References" in the Git documentation.

Query parameters

check_name string

Returns check runs with the specified name.

status string

Returns check runs with the specified status.

Can be one of: ${\tt queued}$, ${\tt in_progress}$, ${\tt completed}$

filter string

Filters check runs by their <code>completed_at</code> timestamp. <code>latest</code> returns the most recent check runs.

Default: latest

Can be one of: latest, all

per_page integer

The number of results per page (max 100).

Default: 30

page integer

Page number of the results to fetch.

Default: 1

app_id integer

HTTP response status codes for "List check runs for a Git reference"

Status code Description

200 OK

Code samples for "List check runs for a Git reference"

CURL JavaScript GitHub CLI

curl -L \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-Api-Version: 2022-11-28" \ https://api.github.com/repos/OWNER/REPO/commits/REF/check-runs

Response

Example response Response schema

Status: 200

{ "total_count": 1, "check_runs": [{ "id": 4, "head_sha": "ce587453ced02b1526dfb4cb910479d431683101", "node_id": "MDg6Q2hlY2tSdW40", "external_id": "", "url": "https://api.github.com/repos/github/hello-world/check-runs/4", "html_url": "https://github.com/github/hello-world/runs/4", "details_url": "https://example.com", "status": "completed", "conclusion": "neutral", "started_at": "2018-05-04T01:14:52Z", "completed_at": "2018-05-04T01:14:52Z", "output": { "title": "Mighty Readme report", "summary": "There are 0 failures, 2 warnings, and 1 notice.", "text": "You may have some misspelled words on lines 2 and 4. You also may want to add a section in your README about how to install your app.", "annotations_count": 2, "annotations_url": "https://api.github.com/repos/github/hello-world/check-runs/4/annotations"

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