

This version of GitHub Enterprise was discontinued on 2023-03-15. No patch releases will be made, even for critical security issues. For better performance, improved security, and new features, [upgrade to the latest version of GitHub Enterprise](#). For help with the upgrade, [contact GitHub Enterprise support](#).

Assigning permissions to jobs

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Assigning permissions to a specific job

Modify the default permissions granted to `GITHUB_TOKEN`.

Note: GitHub-hosted runners are not currently supported on GitHub Enterprise Server. You can see more information about planned future support on the [GitHub public roadmap](#).

Overview

You can use `permissions` to modify the default permissions granted to the `GITHUB_TOKEN`, adding or removing access as required, so that you only allow the minimum required access. For more information, see "[Automatic token authentication](#)."

You can use `permissions` either as a top-level key, to apply to all jobs in the workflow, or within specific jobs. When you add the `permissions` key within a specific job, all actions and run commands within that job that use the `GITHUB_TOKEN` gain the access rights you specify. For more information, see [jobs.<job_id>.permissions](#).

Available scopes and access values:

```
permissions:
  actions: read|write|none
  checks: read|write|none
  contents: read|write|none
  deployments: read|write|none
  issues: read|write|none
  discussions: read|write|none
  packages: read|write|none
  pages: read|write|none
  pull-requests: read|write|none
  repository-projects: read|write|none
  security-events: read|write|none
  statuses: read|write|none
```

If you specify the access for any of these scopes, all of those that are not specified are set to `none`.

You can use the following syntax to define read or write access for all of the available scopes:

```
permissions: read-all|write-all
```

You can use the following syntax to disable permissions for all of the available scopes:

```
permissions: {}
```

You can use the `permissions` key to add and remove read permissions for forked repositories, but typically you can't grant write access. The exception to this behavior is where an admin user has selected the **Send write tokens to workflows from pull requests** option in the GitHub Actions settings. For more information, see "[Managing GitHub Actions settings for a repository](#)."

Example: Assigning permissions to GITHUB_TOKEN [↗](#)

This example shows permissions being set for the `GITHUB_TOKEN` that will apply to all jobs in the workflow. All permissions are granted read access.

```
name: "My workflow"

on: [ push ]

permissions: read-all

jobs:
  ...
```

Assigning permissions to a specific job [↗](#)

For a specific job, you can use `jobs.<job_id>.permissions` to modify the default permissions granted to the `GITHUB_TOKEN`, adding or removing access as required, so that you only allow the minimum required access. For more information, see "[Automatic token authentication](#)."

By specifying the permission within a job definition, you can configure a different set of permissions for the `GITHUB_TOKEN` for each job, if required. Alternatively, you can specify the permissions for all jobs in the workflow. For information on defining permissions at the workflow level, see [permissions](#).

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  issues: read|write|none
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Example: Setting permissions for a specific job [↗](#)

This example shows permissions being set for the `GITHUB_TOKEN` that will only apply to the job named `stale`. Write access is granted for the `issues` and `pull-requests` scopes. All other scopes will have no access.

```
jobs:
  stale:
    runs-on: ubuntu-latest

    permissions:
      issues: write
      pull-requests: write

    steps:
      - uses: actions/stale@v4
```

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