Using GitHub-curated alert rules to prioritize Dependabot alerts

In this article

You can use a GitHub-curated alert rule to auto-dismiss low impact development alerts for npm dependencies.

> **Who can use this feature**
> People with write permissions can view Dependabot alert rules for the repository. People with with admin permissions to a repository, or the security manager role for the repository, can enable or disable Dependabot alert rules for the repository.

Note: Dependabot alert rules are currently in beta and are subject to change.

About GitHub-curated alert rules

The GitHub-curated alert rule, `Dismiss low impact alerts`, auto-dismisses certain types of vulnerabilities that are found in npm dependencies used in development. These alerts cover cases that feel like false alarms to most developers as the associated vulnerabilities:

- Are unlikely to be exploitable in a developer (non-production or runtime) environment.
- May relate to resource management, programming and logic, and information disclosure issues.
- At worst, have limited effects like slow builds or long-running tests.
- Are not indicative of issues in production.

Note: Automatic dismissal of low impact development alerts is currently only supported for npm.

The GitHub-curated `Dismiss low impact alerts` rule includes vulnerabilities relating to resource management, programming and logic, and information disclosure issues. For more information, see "Publicly disclosed CWEs used by the `Dismiss low impact alerts` rule."

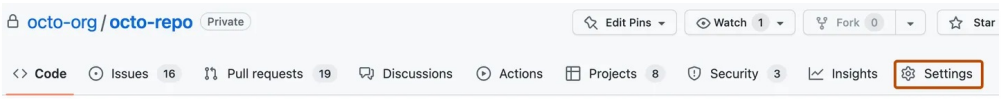
Filtering out these low impact alerts allows you to focus on alerts that matter to you, without having to worry about missing potentially high-risk development-scoped alerts.

By default, GitHub-curated Dependabot alert rules are enabled on public repositories and disabled for private repositories. Administrators of private repositories can opt in by enabling alert rules for their repository.

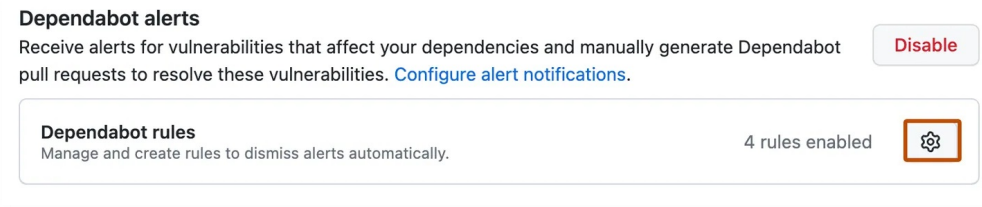
Enabling the `Dismiss low impact alerts` rule for your private repository

You first need to enable Dependabot alerts for the repository. For more information, see "Configuring Dependabot alerts."

1. On GitHub.com, navigate to the main page of the repository.
2. Under your repository name, click **Settings**. If you cannot see the "Settings" tab, select the ··· dropdown menu, then click **Settings**.



3. In the "Security" section of the sidebar, click **Code security and analysis**.
4. Under "Dependabot alerts", click close to "Dependabot rules".



5. Select **Dismiss low impact alerts**.
6. Click **Save rules**.

Publicly disclosed CWEs used by the `Dismiss low impact alerts` rule

Along with the `ecosystem:npm` and `scope:development` alert metadata, we use the following GitHub-curated Common Weakness Enumerations (CWEs) to filter out low impact alerts for the `Dismiss low impact alerts` rule. We regularly improve this list and vulnerability patterns covered by built-in rules.

Resource Management Issues

- CWE-400 Uncontrolled Resource Consumption
- CWE-770 Allocation of Resources Without Limits or Throttling
- CWE-409 Improper Handling of Highly Compressed Data (Data Amplification)
- CWE-908 Use of Uninitialized Resource
- CWE-1333 Inefficient Regular Expression Complexity
- CWE-835 Loop with Unreachable Exit Condition ('Infinite Loop')
- CWE-674 Uncontrolled Recursion
- CWE-1119 Excessive Use of Unconditional Branching

Programming and Logic Errors

- CWE-185 Incorrect Regular Expression
- CWE-754 Improper Check for Unusual or Exceptional Conditions

- CWE-755 Improper Handling of Exceptional Conditions
- CWE-248 Uncaught Exception
- CWE-252 Unchecked Return Value
- CWE-391 Unchecked Error Condition
- CWE-696 Incorrect Behavior Order
- CWE-1254 Incorrect Comparison Logic Granularity
- CWE-665 Improper Initialization
- CWE-703 Improper Check or Handling of Exceptional Conditions
- CWE-178 Improper Handling of Case Sensitivity

Information Disclosure Issues

- CWE-544 Missing Standardized Error Handling Mechanism
- CWE-377 Insecure Temporary File
- CWE-451 User Interface (UI) Misrepresentation of Critical Information
- CWE-668 Exposure of Resource to Wrong Sphere