Time to merge

Time to merge is the average time in hours from when pull requests are created to when they are merged, rounded to the nearest tenth of an hour.

Who can use this?

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Note: If your Pull request tracking is set to First commented, the pull request creation time is the time of the first comment. Change this setting on the configurations page.

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Which reports use Time to merge?

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What does Time to merge measure?

Time to merge tells you how long pull requests are in review. This is a key health metric for flow efficiency.

It’s an objective view of the time it takes to vet and improve the development work your team is doing.

Long-running pull requests are costly to your business. Paying attention to Time to merge results in a decrease in delayed releases.

There are a few variables that affect how you think about this metric for your team:

- Do your team members share similar time zones?
Do your PRs need reviews across multiple teams?
How many reviews do you need before you merge a PR?
Are your projects open source?

If your PRs are internal to a single team, and you have good communication, your Time to merge will typically be lower. If your PRs contain changes that span multiple teams, shared components, shared databases, or open source projects, your Time to merge may be higher.

How is Time to merge calculated?

Time to merge is calculated as the sum of all Times to merge for all merged pull requests created by included individuals divided by the total number of merged pull requests created by included individuals. This average is rounded to the nearest tenth of an hour.

This calculation is the same whether calculating Time to merge for an individual, a team, or an organization.

PRs count toward a team’s Time to merge if someone on the team either authors the PR or reviews the PR.

What data is included in Time to merge?

A pull request is counted toward Time to merge if it is merged. It does not matter whether it’s merged from one feature branch to another or is merged into the main branch.

Pull requests are not counted toward Time to merge if:

- they are created by a user who is excluded from reports
- they are created by a hidden user
- they are an excluded pull request
- they are from a deleted repository

Note: User view rights and permissions also impact how specific users will see Time to merge.

If you need help, please email support@pluralsight.com for 24/7 assistance.