All Request Results Help

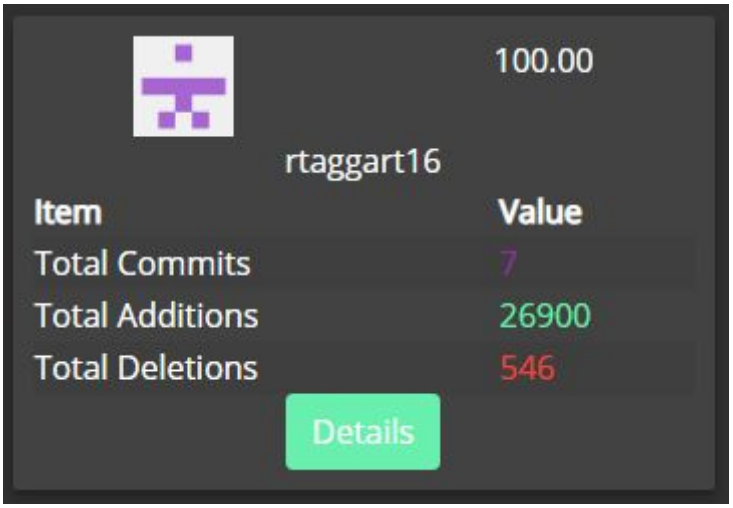
Below is some frequently asked questions on how to interpret the results of a request.

FAQs

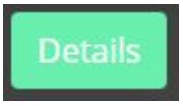
What is the purpose of the commit chart and table?

The commit visualisation (above) is a graphical representation of all commits to the repository. This is so you can gain a better understanding of how many commits each collaborator has done, and how they compare to others.

What is the collaborator “block” for?



The collaborator “block” is used to display top-level statistics about a collaborator to a selected repository. A break down of what each field is given below:

Item Name	Example	Description
Collaborator Avatar		The avatar image that the collaborator has associated with their Github account
Contribution Score		The overall contribution score of the collaborator for the given request. This is a combination of addition score, deletion score and commit score
Total Commits		The total number of commits the collaborator has performed for the given request
Total Additions		The total number of additions the collaborator has performed for the given request
Total Deletions		The total number of deletions the collaborator has performed for the given request
View Details		A button that allows you to view a detailed breakdown of the specific collaborator

What is the contribution score?

The contribution score is the score given to a collaborator for their overall contribution to a selected repository. The contribution score uses three main items for calculation: commits, additions and deletions. A break down of the score is given below:

Name	Formula	Description
Commit Score	(userCommits / repoCommits) * 50	The commit score is used to determine what percentage a collaborator has committed to a repository, compared to all other collaborators. The commit score is multiplied by 50 to

		make up half of the final contribution score. The commit score has so much importance as committing is one of the main actions a collaborator performs
Addition Score	(userAdditions / repoAdditions) * 25	The addition score is used to determine what percentage a collaborator has added to a repository, compared to all other collaborators. The addition score is multiplied by 25 because additions are a part of commits and therefore not as important as the commit itself
Deletion Score	(userDeletions / repoDeletions) * 25	The deletion score is used to determine what percentage a collaborator has deleted from a repository, compared to all other collaborators. The deletion score is multiplied by 25 because deletions are a part of commits and therefore not as important as the commit itself
Contribution Score	(additionScore + deletionScore + commitScore)	Then contribution score is the sum of the other three scores for each collaborator. The contribution score is a percentage out of 100 and is meant as an overall summary of a collaborator's work on a repository

Example

In this example, the repository has 3 collaborators: collaborator A, collaborator B and collaborator C. The repository has a total of 47 commits, 28905 additions and 12456 deletions. The contributions are split up as follows:

Collaborator A: 23 commits, 12456 additions and 3456 deletions

Collaborator B: 8 commits, 12500 additions and 2000 deletions

Collaborator C: 16 commits, 3949 additions and 7000 deletions.

Using the formulas from the table:

Collaborator A:

Commit Score: (23 / 47) * 50 = 24.47
Addition Score: (12456 / 28905) * 25 = 10.77
Deletion Score: (3456 / 12456) * 25 = 6.93

Contribution Score (Rounded): (24.47 + 10.77 + 6.93) = 42.17

Collaborator B:

Commit Score: (8 / 47) * 50 = 8.51
Addition Score: (12500 / 28905) * 25 = 10.81
Deletion Score: (2000 / 12456) * 25 = 4.01

Contribution Score (Rounded): (8.51 + 10.81 + 4.01) = 23.33

Collaborator C:

Commit Score: (16 / 47) * 50 = 17.02
Addition Score: (3949 / 28905) * 25 = 3.41
Deletion Score: (7000 / 12456) * 25 = 14.04

Contribution Score (Rounded): (17.02 + 3.41 + 14.04) = 34.47