

# Administering Awesome Graphs

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## Find data about indexing for troubleshooting

Awesome Graphs entries about indexing are recorded in the **awesome-graphs.log** file located in <Bitbucket home directory>/log.

Information about data indexed by Awesome Graphs is available in **Bitbucket Administration > Troubleshooting and support tools > System Information** and in a support zip. This information is helpful when troubleshooting an app related issue and includes the following statistics.

## In Bitbucket UI and Support Zip

Awesome Graphs adds the following data in Bitbucket Administration > Troubleshooting and support tools > System Information and in a support zip:

- Total number of indexed contributors across all repositories
- Total number of indexed commits across all repositories
- Total number of repositories in indexing queue:
  - **Pending** – number of repositories pending indexing
  - **In Progress** – number of repositories that are being indexed at the moment
  - **Need to Reindex** – number of repositories that will be reindexed automatically due to problems during prior indexing
  - **Invalid** – number of repositories that failed to index because they are corrupted
  - **Failed** – number of repositories that failed to index because of problems while indexed
  - **Timeout** - number of failed tickets because of a timeout during indexing a repository

Each status in the indexing queue has two figures X/Y:

- X – number of tickets for **repository** indexing
- Y – number of tickets for **refchanges** indexing

## Only in Support Zip

Awesome Graphs adds the following data about each repository in a support zip:

- number of indexed commits
- number of contributors
- whether a repository is a fork or not

## Performance monitoring with the help of JMX

JMX ([Java Management eXtensions](#)) can be used to expose Awesome Graphs data from Bitbucket to monitor how indexing goes. Details about the statistics that you can capture are below.

## Statistics about Awesome Graphs indexing queue (com.stiltssoft.bitbucket.graphs:name=Tickets)

Tickets mean tasks of indexing repositories and refs by our app.

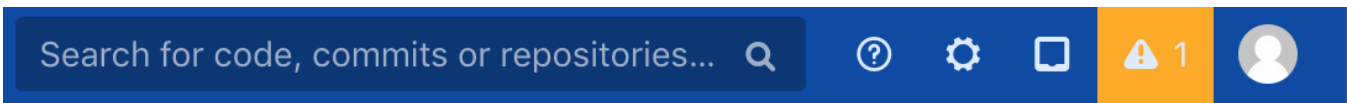
| Name              | Description  |  |
|-------------------|--|--|
| RepositoryTickets | Tickets for indexing of a whole repository in the indexing queue |  |
|                   | #invalid   | Number of failed tickets because of corrupted Git repositories             |
|                   | #failed  | Number of failed tickets because of problems while indexing repositories   |
|                   | #in_progress   | Number of in progress tickets  |
|                   | #pending   | Number of pending tickets  |
|                   | #reindexing  | Number of reindexing tickets   |
|                   | #timeout   | Number of failed tickets because of a timeout during indexing a repository |
| RefChangeTickets  | Tickets for indexing of changes happened after 'git push'        |  |
|                   | #invalid   | Number of failed tickets because of corrupted Git repositories             |
|                   | #failed  | Number of failed tickets because of problems while indexing repositories   |

|                        |  |
|------------------------|--|
| #in_progress           | Number of in progress tickets  |
| #pending               | Number of pending tickets  |
| #reindexing            | Number of reindexing tickets   |
| #timeout               | Number of failed tickets because of a timeout during indexing a repository |
| Total                  | Total number of tickets in the indexing queue                              |
| RepositoryTicketsTotal | Number of tickets for indexing of a whole repository in the indexing queue |
| RefChangeTicketsTotal  | Number of tickets for indexing of changes happened after 'git push'        |

You can learn more about JMX and benefits of its usage from [Enabling JMX counters for performance monitoring](#).

## Alerts to admins about repository indexing problems

If a repository could not be indexed, admins will get a notification via Bitbucket alerts. It helps to quickly detect and solve problems.



### Alerts



**Repository indexing failed for 1 repository** Please [create a support zip](#) and provide this file to the [Awesome Graphs](#) support.  
[Get help](#)

