

# Requeuing Stages



This feature is available from version 1.9.2

Sometimes a build stage may fail due to external influences - it could be that a file server was offline, network connectivity was down, or a file was locked for access. If it has taken several long stages to get to this point, then having to run the whole build again from the start can be a pain.

Providing that the server workspace is intact and the last stage of a completed build has failed, stopped or errored, it can be requeued. If no parts of the server workspace have been removed by the cleanup process, then a Requeue Stage button will be shown after the last stage in the Stages list on the Build page.

## Stages

### Build

Duration: 30s 848ms

Status: Stage Completed

Agent: sparky

### Tests

Duration: 21s 410ms

Status: Stage Failed

Agent: sparky



Requeue Stage

### Deploy

Duration:

Status: Stage Not Run

Clicking on the Requeue Stage button will open a confirmation dialog before restarting the build, and adding the stage to the queue.

### Requeue Stage

Tests

Are you sure you want to requeue stage 'Tests' for build number 158 (version: 1.0.0.158)?



Requeue Stage



Cancel

Any configuration conditions will be skipped, but all configuration and stage shared resource locks will be acquired before the stage is executed.

A new Stage, with the suffix "(rerun)" added to its name, will be added to all Stages lists and in the build log, to represent the requeued stage.

## Stages


| Build         |                 |
|---------------|-----------------|
| Duration:     | 30s 848ms       |
| Status:       | Stage Completed |
| Agent:        | sparky          |
| Tests         |                 |
| Duration:     | 21s 410ms       |
| Status:       | Stage Failed    |
| Agent:        | sparky          |
| Tests (rerun) |                 |
| Duration:     | 8s 953ms        |
| Status:       | Stage Executing |
| Agent:        | sparky          |
| Requeued By:  | Dave Sparks     |
| Deploy        |                 |
| Duration:     |                 |
| Status:       | Stage Not Run   |

Once the new stage is complete, it can be requeued again and again.

## Stages

| Build     |                 |
|-----------|-----------------|
| Duration: | 30s 848ms       |
| Status:   | Stage Completed |
| Agent:    | sparky          |

| Tests     |              |
|-----------|--------------|
| Duration: | 21s 410ms    |
| Status:   | Stage Failed |
| Agent:    | sparky       |

| Tests (rerun)  |              |
|--|--------------|
| Duration:  | 21s 648ms    |
| Status:  | Stage Failed |
| Agent:   | sparky       |
| Requeued By:   | Dave Sparks  |
|  |              |

| Deploy    |               |
|-----------|---------------|
| Duration: |               |
| Status:   | Stage Not Run |

If the new Stage is successful, the build will continue on to the next stage as usual.

## Stages

### Build

Duration: 30s 848ms  
Status: Stage Completed  
Agent: sparky

### Tests

Duration: 21s 410ms  
Status: Stage Failed  
Agent: sparky

### Tests (rerun)

Duration: 21s 648ms  
Status: Stage Failed  
Agent: sparky  
Requeued By: Dave Sparks

### Tests (rerun 2)

Duration: 20s 964ms  
Status: Stage Completed  
Agent: sparky  
Requeued By: Dave Sparks

### Deploy

Duration:  
Status: Stage Pending Promotion



Promote



Cancel

## Requeueing a stage with changes

Sometimes a stage will fail due to a small typo or incorrect field value. What if you could edit the stage and then rerun it?

When you requeue a stage, if any changes have been made to the configuration since the stage was last run, you will be given the option to requeue the latest version of the stage. The latest stage actions will then be added to the queue.

Requeue Stage

Tests

Are you sure you want to requeue stage 'Tests' for build number 159 (version: 1.0.0.159)?

The configuration has been updated since the stage last ran.

☒ Requeue the latest version of the stage.

✓ Requeue Stage

✕ Cancel

Server workspace

For a stage to be requeued, the server workspace needs to be intact. If any of the workspace files have been removed due to the cleanup settings, then the Requeue Stage button will not be available. Ensure that you adjust the cleanup rules for any configurations for which you may need to requeue stages.

Stages

Build

Duration: 30s 830ms

Status: Stage Completed

Agent: sparky

Tests

Duration: 21s 397ms

Status: Stage Failed

Agent: sparky

Stage cannot be requeued.

Stage cannot be requeued as some server workspace files have been cleaned up.

Deploy

Duration:

Status: Stage Not Run

Build - 1.0.0.163

DETAILS

LOG

UNIT TESTS (\*294)

ARTIFACTS

Build Log

[\[Download As Plain Text\]](#)

Name

▶ Initialising Build

▶ Build

▶ Tests

i

Note that stages are requeued using the server workspace as it is when the build completes. It's up to you to ensure that any agent to server workspace rules - do not overwrite files that will be needed when rerunning a stage.