



## Gwen Report Portal User Guide

Gwen provides seamless integration with [Report Portal](#) and supports the following features:

- Asynchronous reporting
- Reruns and/or merges
- Source reference attributes
- File attachments
- Error traces
- Screenshots
- Meta reporting
- StepDef reporting
- Tag and annotation reporting
- Heartbeat for monitoring connection availability
- Various Test case ID generation strategies

To integrate [Gwen](#) with report portal (RP):

- [Configure](#) your report portal settings
- [Launch](#) Gwen over your existing feature suite

That's it! No development required. The results of all evaluated Gherkin nodes in your feature files will be asynchronously sent to your report portal server when Gwen is launched to execute your features.

## Configuration Settings

Configure the following properties in your Gwen [settings](#) file.

### Mandatory Settings

```
rp.endpoint = http://[host]:[port]
rp.uuid = [report-portal-api-key]
rp.launch = [launch-name]
rp.project = [project-name]
```

### Optional Settings

```
rp.rerun = false
rp.rerun.of = [launch-id]
rp.enable = true
rp.description = My RP launch
rp.attributes = key:value; value;
rp.reporting.async = true
rp.convertimage = false
rp.mode = DEFAULT
rp.skipped.issue = false
rp.batch.size.logs = 10
rp.keystore.resource = [JKS-file-path]
rp.keystore.password = [JKS-password]
```

See also: [report portal settings](#).

## Additional Settings

In addition to the standard report portal settings, Gwen also provides the following settings. See [Appendix](#) for more details on each.

```
# Send meta reports? true | false (default is false)
gwen.rp.send.meta = false

# Send step defs? inlined | nested | none (default is none)
gwen.rp.send.stepDefs = none

# Send failed step defs? inlined | nested | none (default is inlined)
# Honoured only if gwen.rp.stepDefs = none
gwen.rp.send.failed.stepDefs = inlined

# Log error trace on failed steps? attached | inlined | none (default is none)
gwen.rp.send.failed.errorTrace = none

# Log environment trace of failed steps? attached | inlined | none (default is none)
gwen.rp.send.failed.envTrace = none

# Log hierarchy in failed steps? attached | inlined | none (default is inlined)
gwen.rp.send.failed.hierarchy = inlined

# Send breadcrumb attributes? true | false (default is false)
gwen.rp.send.breadcrumbs = false

# Send error blocks to description of failed steps? all | leaf | none (default is none)
gwen.rp.send.failed.errorBlocks = none

# Send tags to report portal? true | false (default is true)
gwen.rp.send.tags = true

# Send annotations to report portal? true | false (default is false)
gwen.rp.send.annotations = false

# Surround all markdown content with triple back ticks to force block style render
# true | false (default is true)
gwen.rp.send.markdownBlocks = true

# Monitor report portal connection and fail fast when offline? true | false (default is true)
# When enabled, connection is checked before the first step in each scenario is executed
gwen.rp.heartbeat = true
gwen.rp.heartbeat.timeoutSecs = 3

# Test case ID generation? nodePath+params | sourceRef+params | nodePath | sourceRef | auto
# (default is nodePath+params)
gwen.rp.testCaseId.keys = nodePath+params

# Send debug logs (node paths & params) to report portal? true | false (default is false)
gwen.rp.debug = false
```

## Launch Gwen

### To send Gwen results to report portal

Ensure that you have your [Settings](#) configured, and add the `-f/--format rp` option to your Gwen invocation to send results to report portal.

```
./gwen -b -f rp features/todo  
or    ./gwen -b --format rp features/todo
```

### To generate both HTML reports and send results to report portal

Add the `-r target/reports -f html, rp` option to your Gwen invocation to generate the standard [Gwen HTML report](#) and send results to report portal also (the `-r` option specifies the local directory to write the HTML report to and is required by that option).

```
./gwen -b -r target/reports -f rp,html features/todo  
or    ./gwen -b -r target/reports --format rp,html features/todo
```

## Rerun/Merge Capability

Gwen generates a hidden `target/.rp-rerun.properties` file in the directory where Gwen is invoked with the `-f rp` report portal option. This file records the last report portal launch ID and is implicitly loaded on subsequent Gwen invocations if `rp.rerun=true` is provided to facilitate a rerun/merge of the current execution results into the previous launch results in report portal.

```
# -----  
# Report Portal Rerun File (generated by Gwen)  
# -----  
  
# ID of last report portal launch. This property is implicitly loaded when  
# Gwen is launched with the rp.rerun=true property to facilitate rerun/merge  
# of the current execution results into the previous launch in report portal.  
rp.rerun.of = <report-portal-launch-ID>
```

By default, every invocation of Gwen with the `-f rp` report portal option will send results to a new launch in report portal unless the `rp.rerun=true` option is specified. In the latter case Gwen will report results to the launch in report portal identified by the `rp.rerun.of` property in the rerun file saved by the previous launch.

## Merging into the Previous Launch

Example of merging the results of 3 consecutive Gwen invocations into a single launch in report portal:

Invocation 1:

- Gwen is invoked to run features 1 to 8 in parallel (with no rerun options)
  - The results of features 1 to feature 8 are reported in a new launch in report portal
  - Gwen saves the report portal launch ID to the rerun file

Invocation 2:

- Gwen is invoked a second time to run features 9 to 15 in sequence with `-Drp.rerun=true` command line option
  - Gwen loads the `rp.rerun.of` property from the rerun file created by previous invocation 1
  - The results of feature 9 to feature 15 are merged into the previous launch in report portal
  - Gwen saves the report portal launch ID to the rerun file

Invocation 3:

- Gwen is invoked a third time to run features 15 to 20 in parallel with `-Drp.rerun=true` command line option
  - Gwen loads the `rp.rerun.of` property from the rerun file created by previous invocation 2
  - The results of feature 15 to feature 20 are merged into the same previous launch in report portal
  - Gwen saves the report portal launch ID to the rerun file

Merging will cease and a new launch will be created in report portal on the next Gwen invocation that does not specify the `-Drp.rerun=true` command line option (or that explicitly specifies `-Drp.rerun=false` instead).

## Merging/Rerunning into an Arbitrary Launch

To rerun or merge the results to a specific Launch in report portal, just specify both the `-Drp.rerun=true` and `-Drp.rerun.of=<launchID>` options in your call to Gwen. Alternatively, you can store these in a properties file loaded into Gwen (without the `-D` prefix which is only required on the command line).

Gwen also logs the launch ID to the launch level log of every launch in report portal. You can retrieve the launch ID of any launch from those logs in report portal and assign them to the `-Drp.rerun.of` property to target that launch. Gwen Specific Report Portal Settings

## Attaching Files

Arbitrary files can be attached to both HTML and report portal reports via the following DSL step:

I attach "<filepath>" as "<name>"

Where:

- `<filepath>` = path to file to upload to report portal (absolute or relative to Gwen launch directory)
- `<name>` = the name to associate to the file

You can use this step anywhere in any meta or feature file and can call it multiple times with different parameters to attach multiple files.

## Appendix: Additional Report Portal Settings

### Send Meta

gwen.rp.send.meta

- true - Sends meta load results in addition to feature execution results
- false (**default**) - Sends feature execution results only

gwen.rp.send.meta = **true**

All > Gwen #18 > features/todo/AddItems.feature

PARENT: 15s Passed 100.00% Total: 47

REFINE: Suite name

NAME	START ^	TTL	PS	FL	SKP	PRODUCT BUG	AUTO BUG	SYSTEM ISSUE	TO INVEST
Meta: TodoMVC meta	11 days ago	31	31						
Feature: Add Todo items	11 days ago	16	16						

0.88s language:en  
sourceRef:features/todo/Todo.meta:17:2

11s language:en  
sourceRef:features/todo/AddItems.feature:  
17:1

1 - 2 of 2 50 per page

**Meta and Feature reported**

gwen.rp.send.meta = **false**

All > Gwen #19

PARENT: 30s Passed 100.00% Total: 16

REFINE: Suite name

NAME	START ^	TTL	PS	FL	SKP	PRODUCT BUG	AUTO BUG	SYSTEM ISSUE	TO INVEST
features/todo/AddItems.feature	11 days ago	16	16						

29s

1 - 1 of 1 50 per page

**Feature reported only (meta not reported)**

## Send StepDefs

gwen.rp.send.stepDefs

- **inlined** - Sends step definitions as inlined steps
- **nested** - Sends step definitions as nested steps
- **none** - (**default**) Does not send step definitions

gwen.rp.send.stepDefs = **inlined**

All > Gwen #17 > features/todo/AddItems.feature > Feature: Add Todo items > Scenario: Add items in my Todo list > When I add a "Walk the dog" item

LAUNCH #17

### StepDef inlined

Copy defect Post issue Link issue

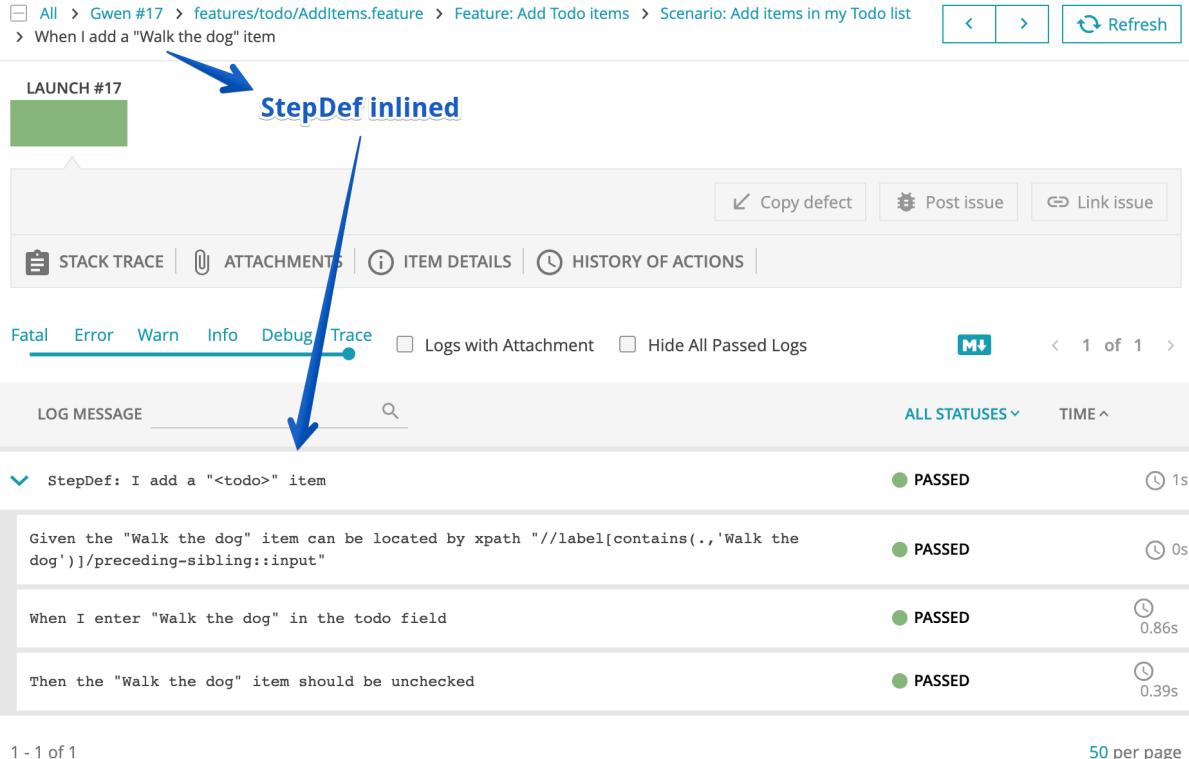
STACK TRACE ATTACHMENTS ITEM DETAILS HISTORY OF ACTIONS

Fatal Error Warn Info Debug Trace Logs with Attachment Hide All Passed Logs 1 of 1

LOG MESSAGE ALL STATUSES TIME

▼ StepDef: I add a "<todo>" item PASSED 1s  
Given the "Walk the dog" item can be located by xpath "//label[contains(.,'Walk the dog')]/preceding-sibling::input" PASSED 0s  
When I enter "Walk the dog" in the todo field PASSED 0.86s  
Then the "Walk the dog" item should be unchecked PASSED 0.39s

1 - 1 of 1 50 per page



gwen.rp.send.stepDefs = **nested**

All > Gwen #18 > features/todo/AddItems.feature > Feature: Add Todo items > Scenario: Add items in my Todo list > When I add a "Walk the dog" item

PARENT: 1s Passed 100.00% Total: 3 PB 0 AB 0 SI 0 ND 0 TI 0

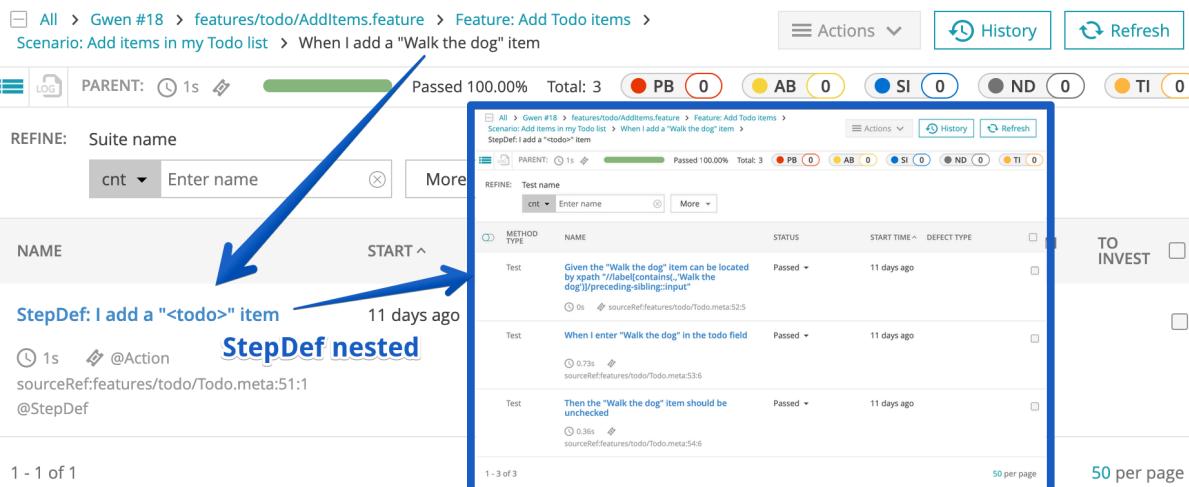
REFINE: Suite name

cnt Enter name More

NAME START StepDef: I add a "<todo>" item 11 days ago

1s @Action sourceRef:features/todo/Todo.meta:51:1 @StepDef

1 - 1 of 1 50 per page



```
gwen.rp.send.stepDefs = none
```

The screenshot shows the Gwen test runner interface. At the top, there's a breadcrumb navigation: All > Gwen #20 > features/todo/AddItems.feature > Feature: Add Todo items >. Below it, a scenario is listed: Scenario: Add items in my Todo list. The status bar indicates PARENT: 11s, Passed, with counts for PB (0), AB (0), SI (0), and N (0). A blue arrow points from the text "StepDef not inlined or nested" down to the "Test" row for the "When I add a 'Walk the dog' item" step.

REFINE: Test name  
cnt ▾ Enter name  More

METHOD TYPE	NAME		
Test	Given I launch the Todo app	① 9s	sourceRef:features/todo/AddItems.feature:20:7
Test	When I add a "Walk the dog" item	Passed ▾	11 days ago

**StepDef not inlined or nested**  
- Step goes straight to stats

LAUNCH #20

#17 → #18 → #19 → #20

①+15% ②+44%

LOG MESSAGE

Fatal Error Warn Info Debug Trace  Logs with Attachment

ITEM DETAILS

HISTORY OF ACTIONS

TIME ▾

## Send Failed StepDefs

gwen.rp.send.failed.stepDefs

- Honoured only when gwen.rp.send.stepDefs = none

- inlined - (**default**) Sends failed step definitions as inlined steps
- nested - Sends failed step definitions as nested steps
- none - Does not send failed step definitions

```
gwen.rp.send.stepDefs = none
gwen.rp.send.failed.stepDefs = inlined
```

All > Gwen #21 > features/todo/AddItems.feature > Feature: Add Todo items > Scenario: Add items in my Todo list >

When I add a "Walk the dog" item

LAUNCH #21

#17 #18 #19 #20 LAUNCH #21

To Investigate

Copy defect Post issue Link issue

STACK TRACE ATTACHMENTS ITEM DETAILS HISTORY OF ACTIONS

Fatal Error Warn Info Debug Trace Logs with Attachments Hide All Passed Logs

Failed StepDef inlined

Successful steps not inlined or nested and go straight to stats

LOG MESSAGE ALL STATUSES TIME

StepDef: I add a "<todo>" item FAILED 3 1s

Given the "Walk the dog" item can be located by xpath "//label[contains(.,'Walk the dog')]/preceding-sibling::input" PASSED 0.01s

When I enter "Walk the dog" in the todo field PASSED 0.84s

Then the "Walk the dog" item should be checked FAILED 3 0.33s

assertion failed: the "Walk the dog" item [locator: xpath=//label[contains(.,'Walk the dog')]/preceding-sibling::input] should be checked

Hierarchy:

I add a "Walk the dog" item  
the "Walk the dog" item should be checked

Error details (attachment)

Environment (attachment)

2021-02-25 10:09:44

2021-02-25 10:09:44

2021-02-25 10:09:44

1 - 1 of 1 50 per page

Step Description	Status	Count	Time
StepDef: I add a "<todo>" item	FAILED	3	1s
Given the "Walk the dog" item can be located by xpath "//label[contains(.,'Walk the dog')]/preceding-sibling::input"	PASSED	0.01s	
When I enter "Walk the dog" in the todo field	PASSED	0.84s	
Then the "Walk the dog" item should be checked	FAILED	3	0.33s

```

gwen.rp.send.stepDefs = none
gwen.rp.send.failed.stepDefs = nested

```

All > Gwen #22 > features/todo/AddItems.feature > Feature: Add Todo items > Scenario: Add items in my Todo list

PARENT: 13s Passed 75.00% Total: 4

REFINE: Test name

METHOD TYPE NAME STATUS START TIME DEFECT TYPE

Test	Given I launch the Todo app	Passed	11 days ago	
Test	When I add a "Walk the dog" item	Passed	11 days ago	
Test	And I add a "Get the milk" item	Passed	11 days ago	
Test	Then the number of active items should be "2"	Passed	11 days ago	

1 - 4 of 4

**Failed StepDef nested**

Detailed Log View (Right Panel):

- Step: When I add a "Walk the dog" item
  - Status: Failed
  - Time: 11 days ago
  - To Investigate
- Assertion Failed: assertion failed: the "Walk the dog" item (locator: xpath=//label[contains(.,'Walk the dog')]/preceding-sibling:input) should be checked
- Hierarchy: I add a "Walk the dog" item
- Error details (attachment)
- Environment (attachment)

```

gwen.rp.send.stepDefs = none
gwen.rp.send.failed.stepDefs = none

```

All > Gwen #23 > features/todo/AddItems.feature > Feature: Add Todo items > Scenario: Add items in my Todo list

PARENT: 14s Passed 50.00% Total: 4

REFINE: Test name

METHOD TYPE NAME STATUS START TIME DEFECT TYPE

Test	Given I launch the Todo app	Passed	11 days ago	
Test	When I add a "Walk the dog" item	Passed	11 days ago	
Test	And I add a "Get the milk" item	Passed	11 days ago	
Test	Then the number of active items should be "2"	Passed	11 days ago	

1 - 4 of 4

**Failed StepDef not inlined or nested and goes straight to stats**

Detailed Log View (Right Panel):

- Step: When I add a "Walk the dog" item
  - Status: Failed
  - Time: 11 days ago
  - To Investigate
- Assertion Failed: assertion failed: the "Walk the dog" item (locator: xpath=//label[contains(.,'Walk the dog')]/preceding-sibling:input) should be checked
- Hierarchy: I add a "Walk the dog" item
- Error details (attachment)
- Environment (attachment)

## Log Error Trace

gwen.rp.send.failed.errorTrace

- attached - Attaches error trace files to logged error messages
- inlined - Appends error traces to logged error messages
- none - (default) Does not log error traces

gwen.rp.send.failed.errorTrace = **attached**

The screenshot shows the Gwen interface for a failed step. The step details are as follows:

- Step ID: LAUNCH #23
- Step Name: When I add a "Walk the dog" item
- Step Status: Failed
- Step Description: assertion failed: the "Walk the dog" item [locator: xpath=/label[contains(.,'Walk the dog')]/preceding-sibling::input] should be checked
- Stack Trace: A detailed stack trace is shown in a modal window.
- Timestamp: 2021-02-25 11:12:11

A blue arrow points from the text "Error trace attached as file and opens in new tab or window" to the stack trace modal. Another blue arrow points from the same text to a "TXT" icon representing the attached file.

gwen.rp.send.failed.errorTrace = **inlined**

The screenshot shows the Gwen interface for a failed step. The step details are as follows:

- Step ID: LAUNCH #26
- Step Name: When I add a "Walk the dog" item
- Step Status: Failed
- Step Description: assertion failed: the "Walk the dog" item [locator: xpath=/label[contains(.,'Walk the dog')]/preceding-sibling::input] should be checked
- Stack Trace: The stack trace is displayed directly below the step description.
- Timestamp: 2021-02-25 11:49:17

A blue arrow points from the text "Error trace appended to error message inline" to the stack trace area.

```
gwen.rp.send.failed.errorTrace = none
```

All > Gwen #27 > features/todo/AddItems.feature > Feature: Add Todo items > Scenario: Add items in my Todo list > When I add a "Walk the dog" item

< > Refresh

#18 > #19 (⌚ +444%) > #20 > #21 (⌚ ⚖ +4%) > #22 > #23 (⌚ ⚖ +24%) > #24 (⌚ ⚖ +9%) > #25 (⌚ ⚖ +9%) > #26 (⌚ ⚖ +9%) > LAUNCH #27

To Investigate Copy defect from #26 Post issue Link issue

STACK TRACE | ATTACHMENTS | ITEM DETAILS | HISTORY OF ACTIONS |

Fatal Error Warn Info Debug Trace Logs with Attachment

LOG MESSAGE  TIME ^

assertion failed: the "Walk the dog" item [locator: xpath=/label[contains(.,'Walk the dog')]/preceding-sibling::input] should be checked 2021-02-25 11:54:15

No inlined error trace or attachment

Environment (attachment) 2021-02-25 11:54:15

1 - 2 of 2 50 per page

## Log Environment Trace

gwen.rp.send.failed.envTrace

- attached - Attaches env trace files to error logs
- inlined - Appends env error traces to logged error messages
- none - (default) Does not log env traces

gwen.rp.send.failed.envTrace = **attached**

All > Gwen #28 > features/todo/AddItems.feature > Feature: Add Todo items > Scenario: Add items in my Todo list > Refresh

When I add a "Walk the dog" item

#19      #20      #21

To Investigate

STACK TRACE | ATTACHMENTS | i

Fatal Error Warn Info Debug Trace

LOG MESSAGE

```
{
  scopes {
    scope : "feature" {
      gwen.feature.file.name : "AddItems.feature"
      gwen.feature.file.path : "features/todo/AddItems.feature"
      gwen.feature.file.absolutePath : "/Users/branko/gwen-web/features/todo/AddItems.feature"
      gwen.feature.name : "Add Todo items"
      gwen.scenario.name : "Add items in my Todo list"
      the heading/locator : "tag name"
      the heading/locator/tag name : "h1"
      the heading/text : "todos"
    }
    scope : "Todo page" {
      the todo field/locator : "class name"
      the todo field/locator/class name : "new-todo"
      the number of active items/locator : "css selector"
      the number of active items/locator/css selector : ".todo-count > strong"
      the clear completed button/locator : "class name"
      the clear completed button/locator/class name : "clear-completed"
      the "Walk the dog" item/locator : "xpath"
      the "Walk the dog" item/locator/xpath : "//label[contains(.,'Walk the dog')]/preceding-sibling::input"
      the todo field/type : "Walk the dog"
      the todo field/enter : "true"
    }
  }
}
```

assertion failed: the "Walk the dog" item [locator: xpath=/label[contains(.,'Walk the dog')]/preceding-sibling::input] should be checked

Environment (attachment)

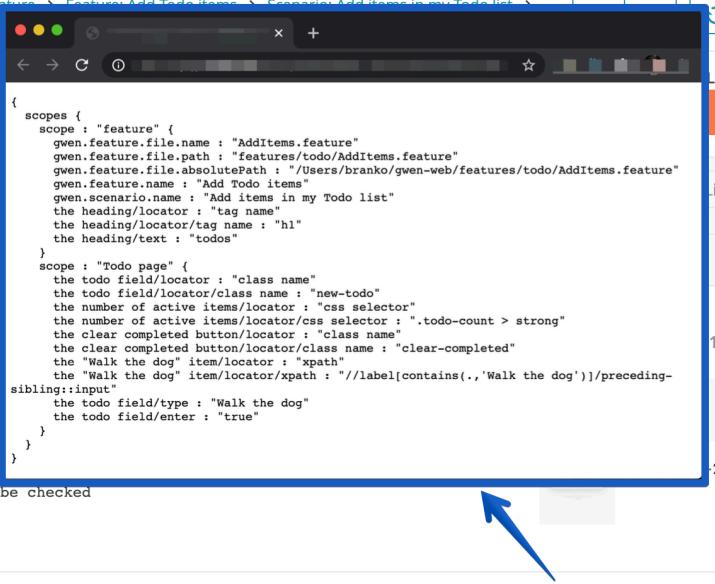
**Environment trace attached as file and opens in new tab or window**

25 11:59:11

2021-02-25 11:59:11

1 - 2 of 2

50 per page



A screenshot of the Gwen test results interface. It shows a timeline at the top with steps #19 through #28. Step #28 is highlighted in orange and labeled 'LAUNCH #28'. Below the timeline is a 'To Investigate' button. A 'LOG MESSAGE' section contains a large block of JSON-like environment trace data. At the bottom, there's an 'Environment (attachment)' section with a 'TXT' button. A blue arrow points from the text 'Environment trace attached as file and opens in new tab or window' to this 'TXT' button.

gwen.rp.send.failed.envTrace = **inlined**

All > Gwen #29 > features/todo/AddItems.feature > Feature: Add Todo items > Scenario: Add items in my Todo list > Refresh

When I add a "Walk the dog" item

#20      #21      #22      #23      #24      #25      #26      #27      #28      LAUNCH #29

To Investigate

Copy defect from #28

Post issue

Link issue

STACK TRACE | ATTACHMENTS | i ITEM DETAILS | HISTORIC ACTIONS

Fatal Error Warn Info Debug Trace

Logs with Attachment

LOG MESSAGE

assertion failed: the "Walk the dog" item [locator: xpath=/label[contains(.,'Walk the dog')]/preceding-sibling::input] should be checked

Environment:

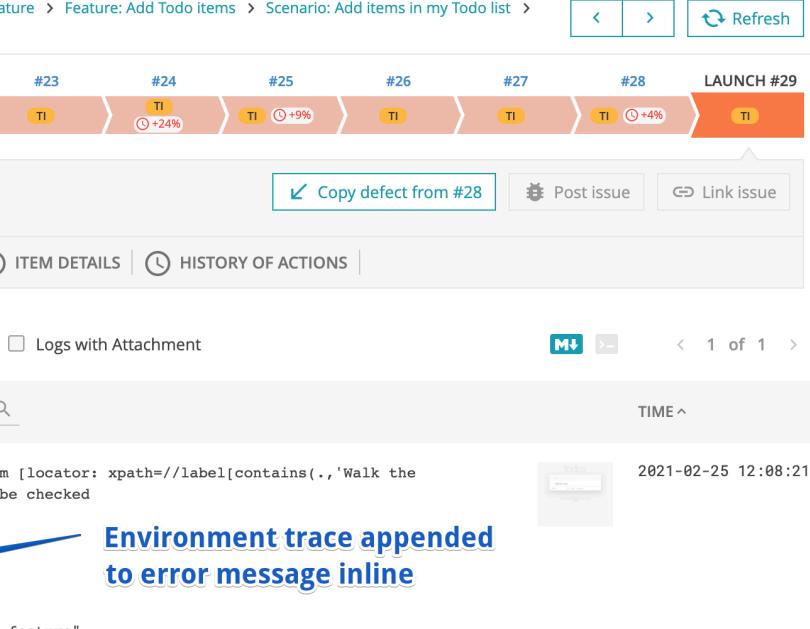
```
{
  scopes {
    scope : "feature" {
      gwen.feature.file.name : "AddItems.feature"
      gwen.feature.file.path : "features/todo/AddItems.feature"
      gwen.feature.file.absolutePath : "/Users/branko/gwen-web/features/todo/AddItems.feature"
      gwen.feature.name : "Add Todo items"
    }
  }
}
```

**Environment trace appended to error message inline**

2021-02-25 12:08:21

1 - 1 of 1

50 per page



A screenshot of the Gwen test results interface. It shows a timeline at the top with steps #20 through #29. Step #29 is highlighted in orange and labeled 'LAUNCH #29'. Below the timeline is a 'To Investigate' button and a 'Copy defect from #28' button. A 'LOG MESSAGE' section contains an assertion failure message. Below it, an 'Environment:' section contains the environment trace code. A blue arrow points from the text 'Environment trace appended to error message inline' to the environment trace code.

```
gwen.rp.send.failed.envTrace = none
```

All > Gwen #30 > features/todo/AddItems.feature > Feature: Add Todo items > Scenario: Add items in my Todo list > When I add a "Walk the dog" item

< > Refresh

#21 #22 #23 #24 #25 #26 #27 #28 #29 LAUNCH #30

TI (⌚ +4%) TI (⌚ +24%) TI (⌚ +9%) TI (⌚ +4%) TI (⌚ +73%) TI

To Investigate Copy defect from #29 Post issue Link issue

STACK TRACE | ATTACHMENTS | ITEM DETAILS | HISTORY OF ACTIONS |

Fatal Error Warn Info Debug Trace Logs with Attachment M+ >- 1 of 1

LOG MESSAGE  TIME ^

assertion failed: the "Walk the dog" item [locator: xpath=/label[contains(.,'Walk the dog')]/preceding-sibling::input] should be checked 2021-02-25 12:14:53

No inlined environment trace or attachment

1 - 1 of 1 50 per page

## Log Failed Step Hierarchy

gwen.rp.send.failed.hierarchy

- attached - Attaches call hierarchy files to error logs
- inlined - (default) Appends call hierarchies to logged error messages
- none - Does not log call hierarchies

gwen.rp.send.failed.hierarchy = **attached**

The screenshot shows the Gwen application interface. At the top, there's a breadcrumb navigation: All > Gwen #33 > features/todo/LoadItemsFromCSVs.feature > Feature: Load Todo items from CSV files > Scenario: Launch the Todo application > When I load items from CSV files > StepDef: I load items from CSV files > Examples: Data file: features-data/Todoltems1.csv > Scenario: I load items from CSV files -- Example 1.1 Data file: features-data/Todoltems1.csv > When I add a pending "Walk the dog" item > StepDef: I add a pending "<todo>" item > When I add a "Walk the dog" item > StepDef: I add a "<todo>" item > Then the "Walk the dog" item should be checked. Below the navigation, there's a timeline bar with several green and orange segments labeled #18, #19, and #33. A blue arrow points from the 'Hierarchy' section in the main content area to the 'Hierarchy (attachment)' section below it. The main content area displays the failed step message: assertion failed: the "Walk the dog" item [locator: xpath=/label[contains(.,'Walk the dog')]/preceding-sibling::input] should be checked. The 'Hierarchy' section contains the step definitions: I load items from CSV files, I add a pending "Walk the dog" item, I add a "Walk the dog" item, and the "Walk the dog" item should be checked. The 'Hierarchy (attachment)' section shows a 'TXT' file icon with the timestamp 2021-02-25 12:26:40. The text 'Call hierarchy attached as file and opens in new tab or window' is overlaid on this section.

1 - 2 of 2

50 per page

gwen.rp.send.failed.hierarchy = **inlined**

The screenshot shows the Gwen application interface. At the top, there's a breadcrumb navigation: All > Gwen #34 > features/todo/LoadItemsFromCSVs.feature ( Feature: Load Todo items from CSV files > Scenario: Launch the Todo application > When I load items from CSV files > StepDef: I load items from CSV files > Examples: Data file: features-data/Todoltems1.csv > Scenario: I load items from CSV files -- Example 1.1 Data file: features-data/Todoltems1.csv > When I add a pending "Walk the dog" item > StepDef: I add a pending "<todo>" item > When I add a "Walk the dog" item > StepDef: I add a "<todo>" item > Then the "Walk the dog" item should be checked. Below the navigation, there's a timeline bar with several green, orange, and red segments labeled #19, #21, #22, #33, and LAUNCH #34. A blue arrow points from the 'Hierarchy' section in the main content area to the 'Hierarchy' section in the 'LOG MESSAGE' section below it. The main content area displays the failed step message: assertion failed: the "Walk the dog" item [locator: xpath=/label[contains(.,'Walk the dog')]/preceding-sibling::input] should be checked. The 'Hierarchy' section contains the step definitions: I load items from CSV files, I add a pending "Walk the dog" item, I add a "Walk the dog" item, and the "Walk the dog" item should be checked. The 'LOG MESSAGE' section shows the same message with the timestamp 2021-02-25 12:33:21. The text 'Call hierarchy appended to error message inline' is overlaid on the 'LOG MESSAGE' section.

1 - 1 of 1

50 per page

gwen.rp.send.failed.hierarchy = **none**

All > Gwen #35 > features/todo/LoadItemsFromCSVs.feature > Feature: Load Todo items from CSV files > Scenario: Launch the Todo application > When I load items from CSV files > StepDef: I load items from CSV files > Examples: Data file: features-data/TodoItems1.csv > Scenario: I load items from CSV files -- Example 1.1 Data file: features-data/TodoItems1.csv > When I add a pending "Walk the dog" item > StepDef: I add a pending "<todo>" item > When I add a "Walk the dog" item > StepDef: I add a "<todo>" item > Then the "Walk the dog" item should be checked

< > Refresh

To Investigate

Copy defect from #34 Post issue Link issue

STACK TRACE | ATTACHMENTS | ITEM DETAILS | HISTORY OF ACTIONS

Fatal Error Warn Info Debug Trace Logs with Attachment

LOG MESSAGE

assertion failed: the "Walk the dog" item [locator: xpath=/label[contains(.,'Walk the dog')]/preceding-sibling::input] should be checked

TIME ^

2021-02-25 12:37:48

No call hierarchy attached or inlined

1 - 1 of 1 50 per page

## Send Breadcrumbs

`gwen.rp.send.breadcrumbs`

- `true` - Sends feature, scenario, and step attributes
  - `false` - (**default**) Does not send feature, scenario, or step attributes

```
gwen.rp.send.breadcrumbs = true
```

```
gwen.rp.send.breadcrumbs = false
```

## Send Error Blocks

gwen.rp.send.failed.errorBlocks

- all - Appends error block to the description of all failed steps
- leaf - Appends error block to the description of failed leaf steps only
- none - **(default)** Does not append error blocks to any step descriptions

gwen.rp.send.failed.errorBlocks = **all**

All > Gwen #37 > features/todo/LoadItemsFromCSVs.feature > Feature: Load Todo items from CSV files  
Scenario: Launch the Todo application > When I load items from CSV files  
StepDef: I load items from CSV files > Examples: Data file: features-data/TodoItems1.csv  
Scenario: I load items from CSV files -- Example 1.1 Data file: features-data/TodoItems1.csv

PARENT: 2s Passed 66.67% Total: 3 PB 0 AB 0 SI 0 ND 0 TI 1

REFINE: Test name  
cnt Enter name More

METHOD TYPE	NAME	STATUS	START TIME ^	DEFECT TYPE	⋮
Test	When I add a pending "Walk the dog" item	Failed ▾	11 days ago		⋮
	⌚ 2s ⚡ sourceRef:features/todo/Todo.meta:75:6				
	assertion failed: the "Walk the dog" item [locator: xpath=//label[contains(.,'Walk the dog')]/preceding-sibling::input] should be checked				←

1 - 1 of 1 50 per page

**Error block added to description of all steps in call hierarchy. If there is more than one error, each one is listed.**

gwen.rp.send.failed.errorBlocks = **leaf**

All > Gwen #37 > features/todo/LoadItemsFromCSVs.feature > Feature: Load Todo items from CSV files  
Scenario: Launch the Todo application > When I load items from CSV files  
StepDef: I load items from CSV files > Examples: Data file: features-data/TodoItems1.csv  
Scenario: I load items from CSV files -- Example 1.1 Data file: features-data/TodoItems1.csv  
When I add a pending "Walk the dog" item > StepDef: I add a pending "<todo>" item  
When I add a "Walk the dog" item > StepDef: I add a "<todo>" item

PARENT: 2s Passed 66.67% Total: 3 PB 0 AB 0 SI 0 ND 0 TI 1

REFINE: Test name  
cnt Enter name More

METHOD TYPE	NAME	STATUS	START TIME ^	DEFECT TYPE	⋮
Test	Given the "Walk the dog" item can be located by xpath "//label[contains(.,'Walk the dog')]/preceding-sibling::input"	Passed ▾	11 days ago		⋮
	⌚ 0s ⚡ sourceRef:features/todo/Todo.meta:52:5				
Test	When I enter "Walk the dog" in the todo field	Passed ▾	11 days ago		⋮
	⌚ 0.76s ⚡ sourceRef:features/todo/Todo.meta:53:6				
Test	Then the "Walk the dog" item should be checked	Failed ▾	11 days ago	To Investigate	⋮
	⌚ 1s ⚡ sourceRef:features/todo/Todo.meta:54:6				
	assertion failed: the "Walk the dog" item [locator: xpath=//label[contains(.,'Walk the dog')]/preceding-sibling::input] should be checked				←

**Error block added to description of last step in call hierarchy ONLY**

gwen.rp.send.failed.errorBlocks = none

All > Gwen #39 > features/todo/LoadItemsFromCSVs.feature > Feature: Load Todo items from CSV files  
> Scenario: Launch the Todo application > When I load items from CSV files >  
StepDef: I load items from CSV files > Examples: Data file: features-data/Todoltems1.csv >  
Scenario: I load items from CSV files -- Example 1.1 Data file: features-data/Todoltems1.csv >  
When I add a pending "Walk the dog" item > StepDef: I add a pending "<todo>" item >  
When I add a "Walk the dog" item > StepDef: I add a "<todo>" item

Actions History Refresh

PARENT: 2s Passed 66.67% Total: 3 PB 0 AB 0 SI 0 ND 0 TI 1

REFINE: Test name

cnt Enter name More

METHOD TYPE	NAME	STATUS	START TIME ^	DEFECT TYPE	
Test	Given the "Walk the dog" item can be located by xpath "//label[contains(.,'Walk the dog')]/preceding-sibling::input"	Passed ▾	11 days ago		
	⌚ 0.01s ⚡ sourceRef:features/todo/Todo.meta:52:5				
Test	When I enter "Walk the dog" in the todo field	Passed ▾	11 days ago		
	⌚ 0.79s ⚡ sourceRef:features/todo/Todo.meta:53:6				
Test	Then the "Walk the dog" item should be checked	Failed ▾	11 days ago	To Investigate	
	⌚ 1s ⚡ sourceRef:features/todo/Todo.meta:54:6			No error block added to any steps	

1 - 3 of 3

50 per page

## Send Tags

gwen.rp.send.tags

- true - (**default**) Sends tags in features (or meta) to report portal as attributes
- false - Does not send any tags in features (or meta) to report portal

Tags are arbitrary labels on a feature or scenario, e.g: @Todo, @Wip, @UAT)

gwen.rp.send.tags = true

All > Gwen #217 > features/todo/AddItems.feature

Actions History Refresh

PARENT: 14s Passed 100.00% Total: 4 PB 0 AB 0 SI 0 ND 0 TI 0

REFINE: Suite name

cnt Enter name More

NAME	START ^	TTL	PS	FL	SKP	PRODUCT BUG	AUTO BUG	SYSTEM ISSUE	TO INVEST
Feature: Add Todo items	10 minutes ago	4	4						
@Todo	12s								
sourceRef:features/todo/AddItems.feature:1									
8:1									
Feature tag(s) added as attributes									

1 - 1 of 1 50 per page

All > Gwen #217 > features/todo/AddItems.feature > Feature: Add Todo items

Actions History Refresh

PARENT: 12s Passed 100.00% Total: 4 PB 0 AB 0 SI 0 ND 0 TI 0

REFINE: Suite name

cnt Enter name More

NAME	START ^	TTL	PS	FL	SKP	PRODUCT BUG	AUTO BUG	SYSTEM ISSUE	TO INVEST
Scenario: Add items in my Todo list	4 minutes ago	4	4						
@Todo	12s								
sourceRef:features/todo/AddItems.feature:2									
1:3									
Scenario level tag(s) added as attribute									

1 - 1 of 1 50 per page

```
gwen.rp.send.tags = false
```

The screenshot shows a test run for 'Gwen #218' with a total of 4 tests passed. The feature 'Feature: Add Todo items' is listed with a start time of 23 seconds ago, a TTL of 4, and a PS of 4. A blue arrow points to the text 'No feature tag(s) added as attributes'.

NAME	START ^	TTL	PS	FL	SKP	PRODUCT BUG	AUTO BUG	SYSTEM ISSUE	TO INVEST
Feature: Add Todo items	23 seconds ago	4	4						

1 - 1 of 1      50 per page

The screenshot shows a test run for 'Gwen #218' with a total of 4 tests passed. The scenario 'Scenario: Add items in my Todo list' is listed with a start time of 3 minutes ago, a TTL of 4, and a PS of 4. A blue arrow points to the text 'No scenario tag(s) added as attributes'.

NAME	START ^	TTL	PS	FL	SKP	PRODUCT BUG	AUTO BUG	SYSTEM ISSUE	TO INVEST
Scenario: Add items in my Todo list	3 minutes ago	4	4						

1 - 1 of 1      50 per page

## Send Annotations

```
gwen.rp.send.annotations
```

- true - Sends annotations in features (or meta) to report portal as attributes
- false - (**default**) Does not send any annotations in features (or meta) to report portal

Behaves similar to `gwen.rp.send.tags` (in previous section) except is concerned with annotations instead.

Annotations are reserved Gwen tags that control runtime aspects, e.g: `@Ignore`, `@Import("file.meta")`

## Markdown

`gwen.rp.send.markdownBlocks`

- `true` - (**default**) Send all markdown content to report portal in triple back-ticked blocks
- `false` - Send all content to report portal as is (unmodified for markdown)

`gwen.rp.send.markdownBlocks = true`

<code>When I add a pending "Walk the dog" item</code>	PASSED
<code>StepDef: I add a pending "&lt;todo&gt;" item</code>	PASSED
<code>When I add a "Walk the dog" item</code>	PASSED
<code>StepDef: I add a "&lt;todo&gt;" item</code>	PASSED
<code>Given the "Walk the dog" item can be located by xpath "//label[contains(.,'Walk the dog')]/preceding-sibling::input"</code>	PASSED
<code>When I enter "Walk the dog" in the todo field</code>	PASSED
<code>Then the "Walk the dog" item should be unchecked</code>	PASSED
<code>Scenario: I load items from CSV files -- Example 1.2 Data file: features-data/TodoItems1.csv</code>	PASSED

When enabled, surrounds all markdown content with triple back ticks to force block style render and preserve original text as much as possible in report portal markdown view.

## Heartbeat

`gwen.rp.heartbeat`

- `true` - (**default**) Checks report portal connection on each scenario and fails fast if offline
- `false` - Does not check report portal connection

When enabled, Gwen will send a HTTP GET request to the RP endpoint before executing the first step in each Scenario and fail fast if a non 200 response code is returned. When disabled, no connection checks will be performed and processing will continue regardless of RP connection state.

`gwen.rp.heartbeat.timeoutSecs`

- `number` - timeout seconds (default is 3)

Sets the number of seconds to wait for heartbeat to establish a connection. If the connection cannot be established within the set timeout period, then Gwen will fail fast and report the timeout condition.

## Test Case ID Keys

gwen.rp.testCaseId.keys

- nodePath+params - **(default)** Generates test case ID based on node path and params
- sourceRef+params - Generates test case ID based on sourceRef and parameters
- nodePath - Generates test case ID based on node path only
- sourceRef - Generates test case ID based on source reference only
- auto - Uses the auto generation mechanism of client-java RP library (codeRef + params)

Test case IDs are used by report portal to identify nodes and associate timelines and history. Each node in RP should have a unique ID to ensure its history is not shared with other nodes.

## Send Debug Logs

gwen.rp.debug

- true - Sends node paths and parameters to report portal debug log for all nodes
- false - **(default)** Does not send any debug logs to report portal

gwen.rp.debug = **true**

The screenshot shows two test runs in the Report Portal interface. The top run is for 'Gwen #517' and the bottom run is for 'Gwen #516'. Both runs are for the 'features/todo/AddItems.feature' feature and the 'Scenario: Add items in my Todo list' scenario. In both runs, the 'Logs' tab is selected, indicated by a blue underline. The log message displays the node path and parameters for each step. A blue arrow points from the 'Logs' section of the top run to the log message, and another blue arrow points from the 'Logs' section of the bottom run to the log message.

nodePath:  
/features/todo/AddItems.feature/Add Todo items[1]/Add items in my Todo list[1]/I add a "Walk the dog" item[1]

parameters:  
{ todo : Walk the dog }

nodePath:  
/features/todo/AddItems.feature/Add Todo items[1]/Add items in my Todo list[1]/I add a "Walk the dog" item[1]

parameters:  
{ todo : Walk the dog }

**node paths and parameters (if any)  
are logged as debug messages on each node**