

# Test Automation Plugin for Jenkins



## Jenkins

- Extend your delivery pipeline with **architectural metrics captured on top of your functional/integration tests** (such as Unit Test based Framework or HTTP based tests)
- **Register Test Run** from Jenkins (build action)
- Retrieve **Dynatrace Test Results and push to Jenkins** (post-build action)

## Plugin Details

|                        |                                                                                                                                                                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Compatible with</b> | version 2.x: Dynatrace AppMon 6.1 and up<br>version 1.x: dynaTrace 5.x, dynaTrace 6                                                                                                                                                                                                                        |
| <b>Author</b>          | version 2.x: Dynatrace R&D<br>version 1.x: Wolfgang Gottesheim                                                                                                                                                                                                                                             |
| <b>License</b>         | Dynatrace BSD                                                                                                                                                                                                                                                                                              |
| <b>Support Level</b>   | Supported                                                                                                                                                                                                                                                                                                  |
| <b>Download</b>        | version 2.x: <a href="https://github.com/jenkinsci/dynatrace-plugin/releases">https://github.com/jenkinsci/dynatrace-plugin/releases</a> (source code releases, use Update Center to install the plugin)<br>version 1.x: dynatrace-dashboard_1.0.20.hpi                                                    |
| <b>Source Code</b>     | version 2.x: available at <a href="https://github.com/jenkinsci/dynatrace-plugin">https://github.com/jenkinsci/dynatrace-plugin</a> and <a href="https://wiki.jenkins-ci.org/display/JENKINS/Dynatrace+Plugin">https://wiki.jenkins-ci.org/display/JENKINS/Dynatrace+Plugin</a>                            |
| <b>Changelog</b>       | <a href="https://github.com/jenkinsci/dynatrace-plugin/releases">https://github.com/jenkinsci/dynatrace-plugin/releases</a>                                                                                                                                                                                |
| <b>Documentation</b>   | version 2.x: <ul style="list-style-type: none"><li>• <a href="#">Installation / Usage</a></li><li>• <a href="#">Jenkins Plugin FAQ / Troubleshooting Guide</a></li><li>• <a href="#">Online Perf Clinic – Eclipse and Jenkins Integration</a></li></ul> version 1.x: Test Automation Plugin for Jenkins-v1 |
| <b>Report an issue</b> | <a href="https://github.com/jenkinsci/dynatrace-plugin/issues">https://github.com/jenkinsci/dynatrace-plugin/issues</a>                                                                                                                                                                                    |

## Installation / Configuration

Follow the instructions available on the [Jenkins Plugin Github page](#).

## Usage

For detailed user guide please consult the [Jenkins Plugin Github page](#) and the [Jenkins Plugin FAQ / Troubleshooting Guide](#)

[Online Perf Clinic – Eclipse and Jenkins Integration](#)

## Screenshots

Jenkins - junit-example-dt

Project junit-example-dt

Workspace

Recent Changes

Test Result Trend  
Latest Test Result (4 passed, 1 improved, 2 volatile, 1 degraded, 1 failed)

Latest Test Result (1 failure / a0)

Permalinks

- Last build (#17) 50 sec ago
- Last stable build (#15) 10 min ago
- Last successful build (#17) 50 sec ago
- Last failed build (#16) 2 min 41 sec ago
- Last unstable build (#15) 50 sec ago
- Last unsuccessful build (#17) 50 sec ago
- Last completed build (#17) 50 sec ago

Build History

| Build | Time                 |
|-------|----------------------|
| #17   | May 27, 2016 9:56 AM |
| #16   | May 27, 2016 9:56 AM |
| #15   | May 27, 2016 9:54 AM |
| #14   | May 27, 2016 9:51 AM |
| #13   | May 27, 2016 9:49 AM |
| #12   | May 27, 2016 9:38 AM |
| #11   | May 18, 2016 3:16 PM |
| #10   | May 18, 2016 3:14 PM |
| #9    | May 18, 2016 3:12 PM |
| #8    | May 18, 2016 3:08 PM |
| #7    | May 18, 2016 3:05 PM |
| #6    | May 5, 2016 5:18 PM  |
| #5    | May 5, 2016 5:03 PM  |
| #4    | Apr 21, 2016 2:48 PM |

Test Result Trend

Jenkins - junit-example-dt - #17 - Test Result

Test Result

Performance Tests (4 passed, 1 improved, 2 volatile, 1 degraded, 1 failed)

Test run ID: 037f650f-1660-438c-a873-9c81a1b1a827

1 Failed Tests

CalculatorTest.evaluatesLongExpression

Timestamp: 27 May 2016 09:56:33  
Platform: Linux 4.2.0-16-generic-x86\_64  
Status: Failed  
Previous status: Failed

| Measure                                          | Current Build |              |              |             | Previous Build |              |              |             |
|--------------------------------------------------|---------------|--------------|--------------|-------------|----------------|--------------|--------------|-------------|
|                                                  | Value         | Expected min | Expected max | Violation % | Value          | Expected min | Expected max | Violation % |
| Error Detection - Failed Transaction Count (num) | 1             | 0            | 0            | 0           | 1              | 0            | 0            | 0           |
| Exceptions - Count (num)                         | 1             | N/A          | N/A          | 0           | 1              | N/A          | N/A          | 0           |
| PurePaths - PurePath Duration (ms)               | 27.65         | 0            | 36.69        | 0           | 24.97          | 0            | 36.69        | 0           |

1 Degraded Tests

PerformanceTest.suspendedTest

Timestamp: 27 May 2016 09:56:36  
Platform: Linux 4.2.0-16-generic-x86\_64  
Status: Degraded  
Previous status: Degraded

| Measure                                          | Current Build |              |              |             | Previous Build |              |              |             |
|--------------------------------------------------|---------------|--------------|--------------|-------------|----------------|--------------|--------------|-------------|
|                                                  | Value         | Expected min | Expected max | Violation % | Value          | Expected min | Expected max | Violation % |
| Error Detection - Failed Transaction Count (num) | 0             | 0            | 0            | 0           | 0              | 0            | 0            | 0           |
| PurePaths - PurePath Duration (ms)               | 60.49         | 45.21        | 55.67        | 3.66        | 60.48          | 46.15        | 57.12        | 5.88        |

2 Volatile Tests

CalculatorTest.evaluatesExpression