

Tricentis Continuous Integration

The Tricentis Continuous Integration plugin integrates Jenkins with Tricentis Tosca CI. With this plugin, you can execute Tricentis Tosca tests via Jenkins.

To configure Jenkins for the execution of Tricentis Tosca tests, perform one of the following actions:

- [Add a new Tricentis Continuous Integration build step to your project.](#)
- [Configure your Jenkins pipeline for Tricentis Continuous Integration.](#)

Once you have configured Jenkins for Tricentis Continuous Integration, [execute your tests.](#)

For more information on Tricentis Tosca and Tosca Continuous Integration, see the following links:

- [Tricentis Tosca in 60 seconds](#)
- [Tosca Continuous Integration documentation](#)

You can execute your tests via [Tosca Remote Service](#) or [Tosca Distributed Execution](#).

Plugin Information
View Tricentis Continuous Integration on the plugin site for more information.

Add a new Tricentis Continuous Integration build step

To execute tests in Tricentis Tosca CI, add a new Tricentis Continuous Integration build step:

Build

The screenshot shows the 'Add build step' dialog for the Tricentis Continuous Integration plugin. The dialog has a blue header with the Tricentis logo and the text 'Tricentis Continuous Integration'. Below the header, there are four input fields with labels and help icons:

- Tricentis client path: \$COMMANDER_HOME\ToscaCI\client\ToscaCIJavaClient.jar
- Endpoint: http://servername/DistributionServerService/ManagerService.svc
- TestEvents (optional):
- Configuration file (optional): \$COMMANDER_HOME\ToscaCI\client\testconfig.xml

At the bottom left, there is a button labeled 'Add build step' with a dropdown arrow.

Field name [pipeline property]	Required	Description
Tricentis client path [tricentisClientPath]	Yes	Input the path to either the ToscaCIClient.exe or the ToscaCIJavaClient.jar file. This component is responsible for sending the execution request to your execution machines. If you use ToscaCIJavaClient.jar, you need to install JRE 1.7 or higher on the Jenkins Slave machine and set the JAVA_HOME environment variable accordingly.
Endpoint [endpoint]	Yes	Specify the address of the webservice. This component triggers the test execution. If you execute your tests via Tosca Remote Service , the endpoint needs to point to the TOSCARemoteExecutionService (e.g. http://servername:8732/TOSCARemoteExecutionService/). If you execute your tests via Tosca Distributed Execution , the endpoint needs to point to the Manager Service of the Tosca Distribution Server (e.g. http://servername:8732/DistributionServerService/ManagerService.svc).

TestEvents (Distributed Execution only) [testEvents]	No	Input the TestEvents that you want to execute, separated by semicolons. You can identify the TestEvents with their name or their system ID . This field is optional. It can only be used if you execute your tests via Tosca Distributed Execution. If you use this setting, leave the Configuration File setting of this page empty. Otherwise, this build step fails.
Configuration file [configurationFilePath]	No	Specify the path to the Tricentis CI test execution configuration XML file . The test configuration file includes more details about which items you would like to execute. If you use this setting, leave the TestEvents setting of this page empty. Otherwise, this build step fails.

Configure the Jenkins pipeline for Tricentis Continuous Integration

If you use [Jenkins Pipelines](#), specify Tricentis Tosca build logic with pipeline script:

```

Pipeline configuration

pipeline {
  agent any
  stages {
    stage('Build') {
      steps {
        tricentisCI tricentisClientPath: '$COMMANDER_HOME\\ToscaCI\\Client\\ToscaCIClient.exe',
        configurationFilePath: 'configuration.xml', endpoint: 'http://localhost:8732/TOSCARemoteExecutionService/'
      }
    }
  }
}

```

Execute tests

After you configure the job, run it.

Jenkins job output example

```

Started by user Maxi M
Running as SYSTEM
Building in workspace C:\Program Files (x86)\Jenkins\workspace\test ci plugin
Running "Tricentis Continuous Integration" build action with parameters:
Tricentis client path: $COMMANDER_HOME\ToscaCI\Client\ToscaCIClient.exe
Endpoint: http://localhost:800/DistributionServerService/ManagerService.svc
Configuration file:
Results file: results.xml
TestEvents: first
[test ci plugin] $ "C:\Program Files (x86)\TRICENTIS\Tosca Testsuite\ToscaCommander\ToscaCI\Client\ToscaCIClient.exe" -m distributed -t junit -x True -r "C:\Program Files (x86)\Jenkins\workspace\test ci plugin\results.xml" -c "C:\Program Files (x86)\Jenkins\workspace\test ci plugin\temp-jenkins-tricentis.xml" -e http://localhost:800/DistributionServerService/ManagerService.svc
*****
* Tricentis *
* www.tricentis.com *
* support@tricentis.com *
*****
* TOSCACI-Client 12.2.0.1119 *
*****

2019-08-13 13:05:24,753 - Object reference not set to an instance of an object.
2019-08-13 13:05:25,175 - CI Client was registered successfully on DEX server.
Client state:
-----
Endpoints:
-----
2019-08-13 13:05:25,177 - http://localhost:800/DistributionServerService/ManagerService.svc
-----
2019-08-13 13:05:25,209 - Starting to poll Dex server for results. Timeout: 3600000. Interval: 60000
2019-08-13 13:06:25,284 - Polled Dex Server. Execution is finished.
2019-08-13 13:06:25,286 - Finished ExecutionEntry 'case' with result 'Passed'. (UniqueId: 39ef2b6f-3fb2-aa71-9c8c-e6e559a7fd29, Item id: 7eccfd15-0e00-4f47-b1e0-48f294da63c5, Event id: c60f9abb-148f-4805-9e92-d96773d3b508, Event index: 0)
2019-08-13 13:06:25,286 - Creating junit test result...
2019-08-13 13:06:25,317 - Creating junit test result...
2019-08-13 13:06:25,318 - Test execution has been finished.
2019-08-13 13:06:25,319 - Result was printed to >C:\Program Files (x86)\Jenkins\workspace\test ci plugin\results.xml<
2019-08-13 13:06:25,320 - Target node with path >testResult/executionState< found! value = Passed
2019-08-13 13:06:25,320 - All parts of execution have passed, client will exit with >0<
Publishing JUnit results
Recording test results
Done
Finished: SUCCESS

```

Tricentis reports automatically published to Jenkins



[Workspace](#)



[Recent Changes](#)



[Latest Test Result \(1 failure / ±0\)](#)

Permalinks

- [Last build \(#68\), 18 hr ago](#)
- [Last stable build \(#10\), 4 days 14 hr ago](#)
- [Last successful build \(#13\), 4 days 14 hr ago](#)
- [Last failed build \(#68\), 18 hr ago](#)
- [Last unstable build \(#13\), 4 days 14 hr ago](#)
- [Last unsuccessful build \(#68\), 18 hr ago](#)
- [Last completed build \(#68\), 18 hr ago](#)

