

# Tricentis Continuous Integration

**Tricentis Continuous Integration plugin** integrates Jenkins with Tricentis Tosca CI and allows users execute Tricentis Tosca tests via Jenkins.

For more details on Tricentis Tosca and Tosca Continuous Integration pls refer to the following links:

[Tricentis Tosca in 60 seconds](#)

[Tosca Continuous Integration documentation.](#)

Plugin Information
View Tricentis Continuous Integration <a href="#">on the plugin site</a> for more information.

## Executing tests from Jenkins

### "Tricentis Continuous Integration" build step configuration

To execute tests in Tricentis Tosca CI, a new "Tricentis Continuous Integration" build step should be added:

**Build**

Tricentis Continuous Integration

Tricentis Client Path:

Endpoint:

Configuration File:

Add build step

Post-build Actions

Add post-build action

Field Name (pipeline property)	Required	Description
Tricentis Client Path (tricentisClientPath)	Yes	Path to either ToscaCIClient.exe or ToscaCIJavaClient.jar file. If ToscaCIJavaClient.jar is used, JRE 1.7 or higher should be installed on Jenkins Slave machine and JAVA_HOME environment variable should be set accordingly
Endpoint (endpoint)	Yes	This specifies the IP address of the webservice when the execution is performed on an external test computer. The webservice can be the TOSCARemoteExecutionService of the external test computer or the Manager Service of the Tosca Distribution Server
Configuration File (configurationFilePath)	No	Path to Tricentis CI test execution configuration XML file

### "Tricentis Continuous Integration" pipeline configuration

For users using [Jenkins Pipelines](#) it is possible to specify Tricentis Tosca build logic using pipeline script:

## Pipeline configuration

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

## Execution

Once the job is configured, simply run the job. Here is Jenkins job output example:

```
Started by user unknown or anonymous
Building remotely on slave in workspace D:\temp\Jenkins\slave\workspace\Tricentis test
Running "Tricentis Continuous Integration" build action with parameters:
Tricentis Client Path: $TRICENTIS_HOME\ToscaCI\Client\ToscaCIClient.exe
Configuration File:
Endpoint: http://localhost:8732/TOSCARemoteExecutionService/
Results file: results.xml
[Tricentis test] $ "D:\TRICENTIS\Tosca Testsuite\ToscaCI\Client\ToscaCIClient.exe" -m distributed -t junit -x
True -r "D:\temp\Jenkins\slave\workspace\Tricentis test\results.xml" -e
http://localhost:8732/TOSCARemoteExecutionService/
*****
* Tricentis *
* www.tricentis.com *
* support@tricentis.com *
*****
* TOSCACI-Client 11.2.0.947 *
*****

Client state:
-----
Endpoints:
-----
2018-08-21 23:02:50,076 - http://localhost:8732/TOSCARemoteExecutionService/
-----
2018-08-21 23:02:50,099 - Starting remote execution
2018-08-21 23:02:50,099 - Configuration File Path:
2018-08-21 23:03:16,510 - Test execution has been finished.
2018-08-21 23:03:16,510 - Result was printed to >D:\temp\Jenkins\slave\workspace\Tricentis test\results.xml<
2018-08-21 23:03:16,512 - Target node with path >testResult/executionState< found! value = Failed
2018-08-21 23:03:16,512 - Some parts of execution may have failed, Client will exit with >-1<
Publishing JUnit results
Recording test results
ERROR: Tricentis CI exit code: -1. See logs for details
Finished: FAILURE
```

Tricentis reports are automatically published to the 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](#)

