

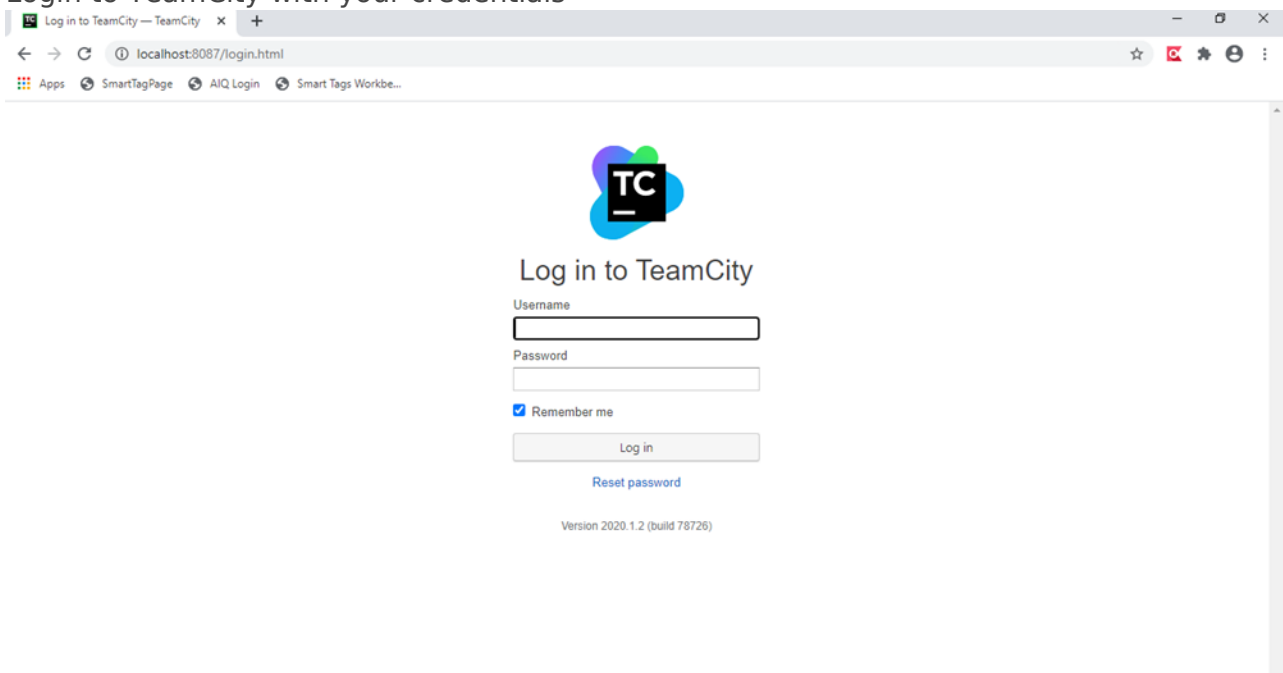
CICD - TeamCity Integration

- Information within illustrates how to configure and run scenarios from TeamCity
- Applicable for both TeamCity installed locally as well as in the cloud

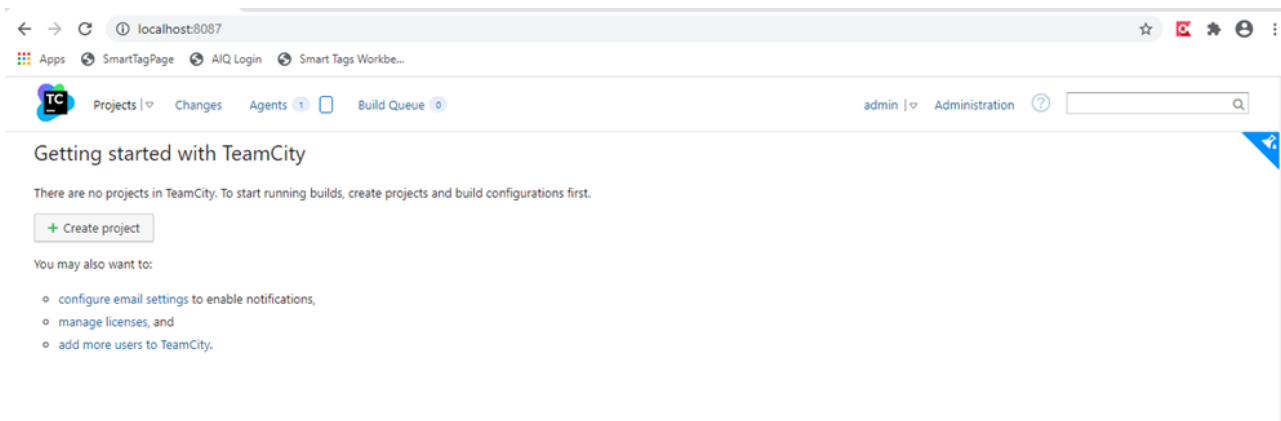
Setup a build in TeamCity: Configuration and pre-requisite:

TeamCity can be downloaded from this [location](#)

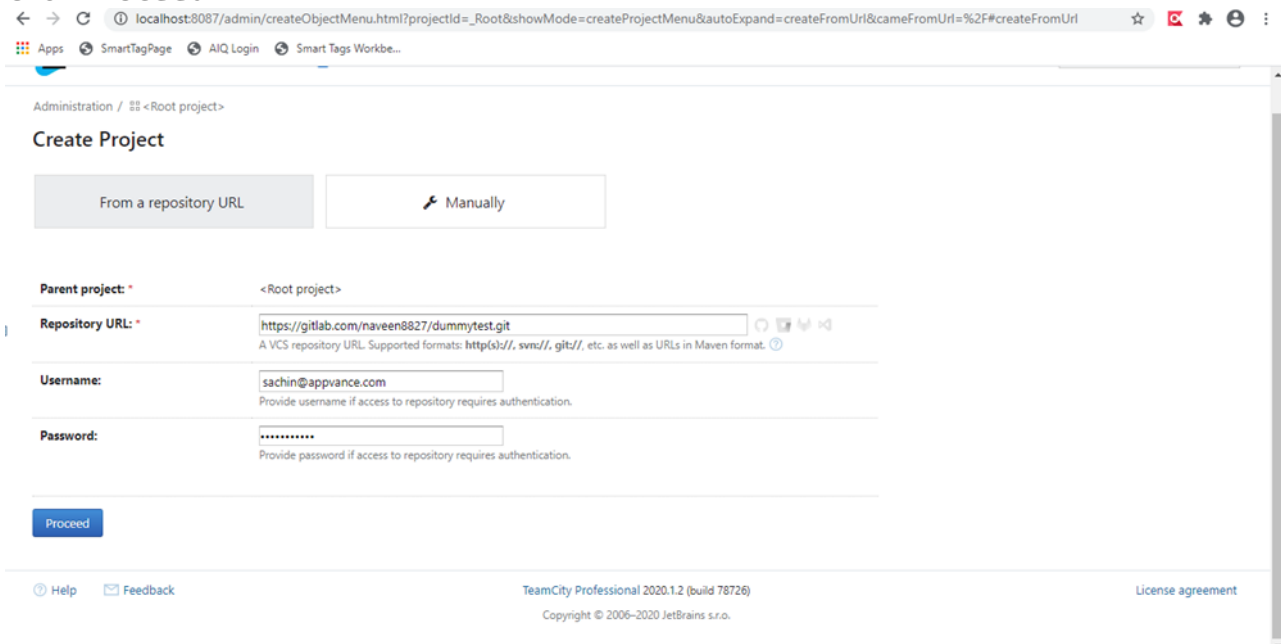
1. Download Links for the following are available at “[CI Jenkins](#)”
2. After installation, TeamCity automatically launches using port 8080. Change the port to a different one (Example: 8087)
3. Install ANT using <http://ant.apache.org/bindownload.cgi>
4. Download and install the appropriate file on your machine depending on the operating system used
5. Login to TeamCity with your credentials



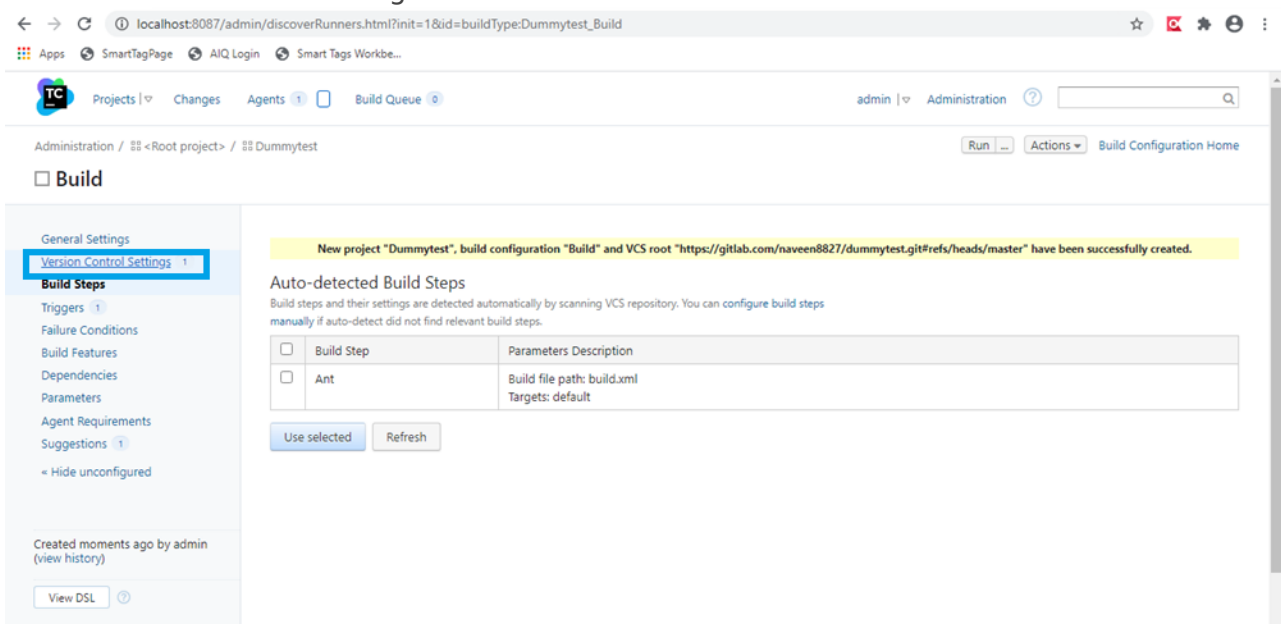
6. Once logged in, click the Project button to Create a project



7. Click **From a Repository URL**, provide your GitLab creds and the repository URL, and Click **Proceed**



8. Click Version Control Settings



localhost:8087/admin/editBuildTypeVcsRoots.html?init=1&id=buildType:Dummytest_Build

Apps SmartTagPage AIQ Login Smart Tags Workbe...

TC Projects | Changes Agents Build Queue

admin | Administration

Administration / <Root project> / Dummytest

Run Actions Build Configuration Home

Build

General Settings

Version Control Settings 1

Build Steps

Triggers 1

Failure Conditions

Build Features

Dependencies

Parameters

Agent Requirements

Suggestions 1

< Hide unconfigured

Created one minute ago by admin (view history)

View DSL

VCS Roots

In this section you can configure how project source code is retrieved from VCS.

+ Attach VCS root

Name	Checkout Rules
(git) https://gitlab.com/naveen8827/dummytest.git#refs/heads/master belongs to Dummytest Commit hook is inactive Latest check for changes: 18:53 (periodical run by the schedule) Changes checking interval: 1m	Edit Detach Edit checkout rules (0)

Show advanced options

9. Click Edit and change the branch as per your requirements (Changed the Default Branch to Demo)

localhost:8087/admin/editVcsRoot.html?action=editVcsRoot&vcsRootId=Dummytest_HttpsGitlabComNaveen8827dummytestGitRefsHeadsMaster&editingScope=build...

Apps SmartTagPage AIQ Login Smart Tags Workbe...

VCS Root

VCS root name: * https://gitlab.com/naveen8827/dummytest.git#refs/heads/master
A unique name to distinguish this VCS root from other roots.

VCS root ID: * Dummytest_HttpsGitlabComNaveen8827dummytestGitRefsHeadsMa: Regenerate ID
VCS root ID must be unique across all VCS roots. VCS root ID can be used in parameter references to VCS root parameters and REST API.

General Settings

Fetch URL: * https://gitlab.com/naveen8827/dummytest.git
It is used for fetching data from the repository.

Push URL:
It is used for pushing tags to the remote repository. If blank, the fetch url is used.

Default branch: * refs/heads/master
The main branch or tag to be monitored

Authentication Settings

Authentication method: Password
Authentication methods incompatible with the 'https' protocol are disabled

Username: sachin@appvance.com
Specify the username if there is no username in the clone URL. The username specified here overrides the username from the URL.

Password:

10. Click Build Steps and Add Build Step

11. Choose Runner Type as Ant

← → ↻ localhost:8087/admin/editRunType.html?id=buildType:Dummytest_Build&runnerId=__NEW_RUNNER__&cameFromUrl=%2Fadmin%2FeditBuildRunners.html%3Fid%3D... ☆ 🏠 👤 ⋮

Apps SmartTagPage AIQ Login Smart Tags Workbe...

Build

General Settings

Version Control Settings 1

Build Steps

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Failure Conditions

Build Features

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Parameters

Agent Requirements

Suggestions 1

« Hide unconfigured

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(view history)

View DSL ?

New Build Step

Runner type: Ant
Runner for Ant build.xml files

Step name:
Optional, specify to distinguish this build step from other steps.

Ant Parameters

☒ **Path to a build.xml file:**
The specified path should be relative to the checkout directory.

☐ **Build file content:** Enter the build file content

Targets:
Space- or comma-separated targets are supported.

Docker Settings

Run step within Docker container:
E.g. ruby:2.4. TeamCity will start a container from the specified image and will try to run this build step within this container.

Code Coverage

Choose coverage runner: <No coverage>

Show advanced options

12. Choose the Targets by clicking the Edit Like button

← → ↻ localhost:8087/admin/editRunType.html?id=buildType:Dummytest_Build&runnerId=__NEW_RUNNER__&cameFromUrl=%2Fadmin%2FeditBuildRunners.html%3Fid%3D... ☆ 🏠 👤 ⋮

Apps SmartTagPage AIQ Login Smart Tags Workbe...

Build Steps

version Control Settings 1

Build Steps

Triggers 1

Failure Conditions

Build Features

Dependencies

Parameters

Agent Requirements

Suggestions 1

« Hide unconfigured

Created 5 minutes ago by admin
(view history)

View DSL ?

New Build Step

Runner type: Ant
Runner for Ant build.xml files

Step name:
Optional, specify to distinguish this build step from other steps.

Ant Parameters

☒ **Path to a build.xml file:**
The specified path should be relative to the checkout directory.

☐ **Build file content:** Enter the build file content

Targets:
Space- or comma-separated targets are supported. Select targets to invoke

Docker Settings

Run step within Docker container:
E.g. ruby:2.4. TeamCity will start a container from the specified image and will try to run this build step within this container.

Code Coverage

Choose coverage runner: <No coverage>

Show advanced options

Save Cancel

← → ↻ localhost:8087/admin/editRunType.html?id=buildType:Dummytest_Build&runnerId=__NEW_RUNNER__&cameFromUrl=%2Fadmin%2FeditBuildRunners.html%3Fid%3D... ☆ 🏠 👤 ⋮

Apps SmartTagPage AIQ Login Smart Tags Workbe...

Build Features

Build Features

Dependencies

Parameters

Agent Requirements

Suggestions 1

« Hide unconfigured

Created 5 minutes ago by admin
(view history)

View DSL ?

Optional, specify to distinguish this build step from other steps.

Ant Parameters

☒ **Path to a build.xml file:**
The specified path should be relative to the checkout directory.

☐ **Build file content:** Enter the build file content

Targets:
Space- or comma-separated targets are supported.

Docker Settings

Run step within Docker container:
E.g. ruby:2.4. TeamCity will start a container from the specified image and will try to run this build step within this container.

Code Coverage

Choose coverage runner: <No coverage>

Show advanced options

Save Cancel

Select targets to invoke:

☐ reportUpload
☐ blueprintDashboard
☐ checkBlueprintResults
☐ generateRegressionScenario
☐ startNode
☐ setupEnvironment
☐ executeScenario
☐ stopNode
☐ createScenariosDashboard
☐ checkScenarioResults

Add Cancel

13. Click Run and choose the options

The screenshot shows the TeamCity web interface. The top navigation bar includes 'Projects', 'Changes', 'Agents', and 'Build Queue'. The main content area is titled 'Administration / <Root project> / Dummytest'. A modal dialog titled 'Run Custom Build Dummytest / Build' is open, showing the 'General' tab. The dialog has fields for 'Agent' (set to '<the fastest idle agent>') and 'Build options' (with checkboxes for 'run as a personal build', 'put the build to the queue top', and 'delete all files in the checkout directory before the build'). The 'Run Build' button is highlighted. Below the dialog, the build details page for '#4 (04 Aug 20 06:19)' is visible. The page shows the build status as 'deps', progress as '1m:56s left', and the agent as 'EC2AMAZ-2EMJFT4'. The build log shows 'Step 1/1: deps: get: To: C:\TeamCity\buildAgent\work\d02cf33d2565e0cf\lib\RestClient.jar'.

localhost:8087/admin/editBuildRunners.html?id=buildType:Dummytest_Build

Apps SmartTagPage AIQ Login Smart Tags Workbe...

TC Projects | Changes Agents 1 Build Queue 0

admin | Administration ?

Administration / <Root project> / Dummytest

Run Actions Build Configuration Home

Build

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Agent Requirements
Suggestions
« Hide unconfigured

Last edited moments ago by admin (view history)

View DSL ?

Run Custom Build Dummytest / Build

General Changes Parameters Comment and Tags

Agent: <the fastest idle agent>

Build options:

- ☐ run as a personal build
- ☐ put the build to the queue top
- ☐ delete all files in the checkout directory before the build

Run Build Cancel

Press F11 to exit full screen

admin | Administration ?

Dummytest / Build

#4 (04 Aug 20 06:19)

Overview Changes Build Log Parameters Artifacts

Status: deps

Progress: 1m:56s left

Thread dump: View thread dump

Running step: Step 1/1: deps: get: To: C:\TeamCity\buildAgent\work\d02cf33d2565e0cf\lib\RestClient.jar

Agent: EC2AMAZ-2EMJFT4

Triggered by: you on 04 Aug 20 06:19

Run Actions Edit Configuration Settings

Help Feedback

TeamCity Professional 2020.1.2 (build 78726)

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View: All messages

☐ Console view

☒ Repeat block names

[06:19:40] ▶ Starting the build on the agent "EC2AMAZ-2E9JFT4"

[06:19:48] ▶ Updating tools for build

[06:19:48] ▶ Clearing temporary directory: C:\TeamCity\buildAgent\temp\buildTmp

[06:19:48] ▶ Publishing internal artifacts (2s)

[06:19:48] ▶ Clean build enabled: removing old files from C:\TeamCity\buildAgent\work\d02cf33d2565e0cf

[06:19:48] ▶ Checkout directory: C:\TeamCity\buildAgent\work\d02cf33d2565e0cf

[06:19:48] ▶ Updating sources: auto checkout (on agent) (1s)

[06:19:49] ▶ Step 1/1: Demo (Ant) (running for 24s)

[06:19:49] ▶ [Step 1/1] Starting: "C:\Program Files\Java\jdk1.8.0_131\bin\java.exe" -Dagent.home.dir=C:\TeamCity\buildAgent -Dagent.name=EC2AMAZ-2E9JFT4 -Dagent.ownPort=9092 -Dagent.work.dir=C:\Te

[06:19:49] ▶ [Step 1/1] in directory: C:\TeamCity\buildAgent\work\d02cf33d2565e0cf

[06:19:50] ▶ [Step 1/1] init

[06:19:50] ▶ [Step 1/1] deps

[06:19:51] ▶ [Step 1/1] setupEnvironment

[06:19:51] ▶ [Step 1/1] executeScenario (running for 22s)

[06:19:51] ▶ [executeScenario] executeScenario (running for 22s)

[06:19:51] ▶ [executeScenario] saveInitialTime not set. Using true

[06:19:51] ▶ [executeScenario] Starting executeScenario target with following parameters:

[06:19:51] ▶ [executeScenario] aiqCres : creds.json

[06:19:51] ▶ [executeScenario] dir : Testing

[06:19:51] ▶ [executeScenario] scenario : DemoTeamCity.scenario

[06:19:51] ▶ [executeScenario] consoleDetails : consoleDetails.json

[06:19:51] ▶ [executeScenario] resultsFolder : scenarioResults

[06:19:51] ▶ [executeScenario] saveInitialTime: true

[06:19:51] ▶ [executeScenario]

[06:19:51] ▶ [executeScenario] Reading aiqCreds file: C:\TeamCity\buildAgent\work\d02cf33d2565e0cf\creds.json

[06:19:51] ▶ [executeScenario] Remote work folder set to C:/DemoScript

[06:19:51] ▶ [executeScenario] Url received from aiqCreds file: http://52.26.154.131:8080

[06:19:57] ▶ [executeScenario] Successful login to AIQ server http://52.26.154.131:8080 with user apvance

[06:20:02] ▶ [executeScenario] Deleting old files from C:/DemoScript

[06:20:02] ▶ [executeScenario] Uploading resource directory C:\TeamCity\buildAgent\work\d02cf33d2565e0cf\Testing to C:/DemoScript

[06:20:02] ▶ [executeScenario] Creating: C:/DemoScript/DemoTeamCity.ds

[06:20:02] ▶ [executeScenario] Creating: C:/DemoScript/DemoTeamCity.scenario

Running...

Help

Feedback

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TC

Projects ▾

Changes

Agents 1

Build Queue 0

admin ▾ Administration ?

Dummytest / Build

Run ... Actions ▾ Edit Configuration Settings ▾

✓ #4 (04 Aug 20 06:19) ▾

Overview Changes Build Log Parameters Artifacts

Tree view | Tail

Download full build log (~24.01 KB) | .zip

View: All messages

☐ Console view

☒ Repeat block names

[06:19:47] ▶ The build is removed from the queue to be prepared for the start

[06:19:47] ▶ Collecting changes in 1 VCS root

[06:19:48] ▶ Starting the build on the agent "EC2AMAZ-2E9JFT4"

[06:19:48] ▶ Updating tools for build

[06:19:48] ▶ Clearing temporary directory: C:\TeamCity\buildAgent\temp\buildTmp

[06:19:48] ▶ Publishing internal artifacts (2s)

[06:19:48] ▶ Clean build enabled: removing old files from C:\TeamCity\buildAgent\work\d02cf33d2565e0cf

[06:19:48] ▶ Checkout directory: C:\TeamCity\buildAgent\work\d02cf33d2565e0cf

[06:19:48] ▶ Updating sources: auto checkout (on agent) (1s)

[06:19:49] ▶ Step 1/1: Demo (Ant) (1m:39s)

[06:21:29] ▶ Publishing internal artifacts (1s)

[06:21:30] ▶ Build finished

Help

Feedback

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https://www.jetbrains.com/teamcity/?fromServer

Now how does the git-lab project look and what are the files that need to be changed?

Test

BasicLogIn /

+

History

Find file

Web IDE

**Commit**
Naveen authored 4 hours ago

✓

1fce34a7

Name	Last commit	Last update
scenario	Test	1 day ago
.gitlab-ci.yml	Update .gitlab-ci.yml	1 week ago
build.xml	Commit	4 hours ago
creds.json	Commit	4 hours ago
ec2.creds	Basic LogIN	3 weeks ago

Above is the screenshot of the project that was configured in Jenkins.

Build.xml File: Build.xml file and other files and the folder structure can be downloaded from [here](#).

creds.json File:

```
{  
  
"controller": {  
  
"instances": ["i-0a8ede7xxxxx"],  
  
"ec2Creds": "ec2.creds",  
  
"timeOut": 60,  
  
"username": "AIQUSERNAME",  
  
"password": "AIQPASSWORD",  
  
"workFolder": "."  
  
}  
  
}
```

Basically has details about the controller machine and the credentials. Above can be used when we have the EC2 setup.

When we are running AIQ local builds, instances in the 2nd line could be replaced with "URL" and the full URL of the AIQ controller could be provided.

ec2.creds will have details of the Ec2 account: This can be used when we are using AIQ Controller on the EC2 machine and when your tests are run in the AWS cloud.

AWS_ACCESS_KEY_ID=YOURAWSACCESSKEY

AWS_SECRET_ACCESS_KEY=YOURAWSSECRETKEY

REGION:us-west-2.ec2.amazonaws.com

Look for Build Triggers and look for Invoke Ant.

Under Targets, call

- deps
- startNode
- createScenarioDashboard
- stopNode

Note: All the above are case-sensitive

Last updated: June 26, 2023

If you have any feedback on this topic, please contact us at documentation@appvance.ai

Revision #2

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Updated 2026-07-31 16:43:26 UTC by Admin