

CICD - Repository Alone

This guide shows CI/CD Integration without the use of any cloud services like S3 buckets to store the results and create the dashboard.

You can configure the repository to store test assets, the same Repository (Which could be any flavors of GIT or SVN) can be used to store all the test results and create dashboards.

Below are the steps that need to be followed.

1. Configure repository in AIQ under preferences > Repository. Please visit the Repository chapter to know more about how to configure repositories using HTTP or SSH
2. Below is the required folder structure and files

New Volume (D:) > Naveen > April2020 > CICD				
Name	Date modified	Type	Size	
build	4/20/2020 8:16 AM	File folder		
IvyClassFolder	4/20/2020 8:16 AM	File folder		
lib	4/20/2020 7:58 AM	File folder		
scenario	4/20/2020 6:43 AM	File folder		
scenarioReports	4/30/2020 11:01 AM	File folder		
scenarioResults	4/30/2020 11:01 AM	File folder		
build.xml	4/20/2020 2:19 PM	XML Document	10 KB	
creds.json	4/20/2020 7:59 AM	JSON File	1 KB	
githttp.json	4/30/2020 12:01 PM	JSON File	1 KB	
gitSsh.json	4/20/2020 7:32 AM	JSON File	1 KB	

- lib will hold the Restclient.jar file.
- The scenario folder holds all the scenario files that are required to be run.
- scenarioReports and scenarioResults are the files that are required to store the results that will be uploaded to the git repo that is configured
- build.xml is the file that holds all the configuration details and the ant targets
- creds.json file holds the server details and login details of AIQ
- githttp.json file holds details of git repo to use along with HTTP credentials and branch details.
- gitSsh.json file holds details of the git repo, the URL, ssh credentials, and the branch details.

[Here](#) is the zip of the above folder structure to download for reference

3. Configure build.xml with buildversion to use, specify product, specify customer name, specify an environment, specify dir, and the scenario file to use
If the AISG is going to be run, make changes accordingly and point to the abpt file from the freshly run AISG
4. creds.json - provide the URL of AIQ services running, provide credentials of AIQ

5. Depending on SSH or HTTP, provide the details of the Repo, credentials, branch, sshPhrase, and sshKey in either githttp.json or gitSsh.json

Note: Depending on which file is being used, make the reference of that file in build.xml for the below-mentioned property

```
<property name="gitCredentials" value="githttp.json" />
```

Once all the changes are made and saved

Open command prompt of if this is driven from any CICD tools, run "blueprintDashboard" for creating dashboard report and "scenarioDashboard" for creating scenario dashboards

```
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.

D:\Naveen\April2020\CICD>ant scenarioDashboard
Unable to locate tools.jar. Expected to find it in C:\Program Files\Java\jre1.8.0_251\lib\tools.jar
buildfile: D:\Naveen\April2020\CICD\build.xml

init:

steps:
[get] Getting: https://s3-us-west-2.amazonaws.com/appvanceivy/projects/AppvanceCIClientWithDeps/master/latest/ivy
[get] To: D:\Naveen\April2020\CICD\lib\RestClient.jar
[taskdef] Could not load definitions from resource net/sf/antcontrib/antlib.xml. It could not be found.

scenarioDashboard:
[downloadRepository] Using 'master' branch.
[downloadRepository] Creating Directory: C:/gitData
[downloadRepository] Directory is not configure for git.
[downloadRepository] Cloning Git Repository
[downloadRepository] Creating Directory: C:/gitData/reports
[executeScenario] saveInitialTime not set. Using true
[executeScenario]
[executeScenario] Starting executeScenario target with following parameters:
[executeScenario]   aiqCres       : creds.json
[executeScenario]   dir           : scenario
[executeScenario]   scenario      : test.scenario
[executeScenario]   consoleDetails : creds.json
[executeScenario]   resultsFolder : scenarioResults
[executeScenario]   saveInitialTime: true
[executeScenario]
[executeScenario] Reading aiqCreds file: D:\Naveen\April2020\CICD\creds.json
[executeScenario] Remote work folder set to .
[executeScenario] Url received from aiqCreds file: http://localhost:8080
[executeScenario] Successful login to AIQ server http://localhost:8080 with user appvance
[executeScenario] Uploading resource directory D:\Naveen\April2020\CICD\scenario to .
[executeScenario] Starting scenario ./test.scenario
[executeScenario] Status: Loading [test]
[executeScenario] Status: Running scenario [test]
[executeScenario] Scenario completed. [test]
[fetchScenarioResults] Url received from creds.json file: http://localhost:8080
[fetchScenarioResults] Fetching results of ./test.scenario
[fetchScenarioResults] Success= 1, Failures= 2
[fetchScenarioResults]
[fetchScenarioResults] Creating Junit xml files for 3 transaction(s) in D:\Naveen\April2020\CICD\scenarioResults
[fetchScenarioResults] Duration: 114
[fetchScenarioResults] -----
[gitReporter] Creating Directory: C:/gitData/reports/products/QA-Testing/Quality/scenarios/Web Application/002
[gitReporter] Creating Directory: C:/gitData/reports/products/QA-Testing/Quality/scenarios/Web Application/latest
[gitReporter] Git Local path: C:/gitData/reports/products/QA-Testing/Quality/scenarios/Web Application/
[gitReporter] Number of testcase results in D:\Naveen\April2020\CICD\scenarioReports/resources: 3
[gitReporter] Testcase test.Testcase1 FAILED
[gitReporter] Testcase test.Testcase2 passed
```

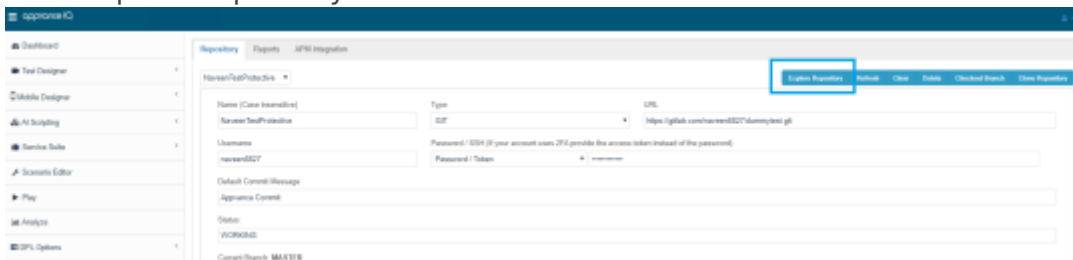
```

Administrator: C:\Windows\System32\cmd.exe
fetchScenarioResults] Success= 1, Failures= 2
fetchScenarioResults]
fetchScenarioResults] Creating Junit xml files for 3 transaction(s) in D:\Naveen\April2020\CICD\scenarioResults
fetchScenarioResults] Duration: 114
fetchScenarioResults] -----
gitReporter] Creating Directory: C:\gitData\reports\products\QA-Testing\Quality\scenarios\Web Application\002
gitReporter] Creating Directory: C:\gitData\reports\products\QA-Testing\Quality\scenarios\Web Application\latest
gitReporter] Git Local path: C:\gitData\reports\products\QA-Testing\Quality\scenarios\Web Application\
gitReporter] Number of testcase results in D:\Naveen\April2020\CICD\scenarioReports\resources: 3
gitReporter] Testcase test.Testcase1 FAILED
gitReporter] Testcase test.Testcase2 passed
gitReporter] Testcase test.Testcase3 FAILED
gitReporter] Html Report D:\Naveen\April2020\CICD\scenarioReports\report.html
gitReporter] Deleting resultsFolder: D:\Naveen\April2020\CICD\scenarioResults
historyManager] Updating history: C:\gitData\reports\products\QA-Testing\Quality\scenarios\history.json
historyManager] History Folder: C:\gitData\reports\products\QA-Testing\Quality\scenarios\Web Application\latest/
historyManager] Config File: C:\gitData\reports\products\QA-Testing\Quality\scenarios\Web Application\002\execution.json
historyManager] History Folder: C:\gitData\reports\products\QA-Testing\Quality\scenarios\Web Application\002/
historyManager] Config File: C:\gitData\reports\products\QA-Testing\Quality\scenarios\Web Application\002\execution.json
historyManager] Uploading: C:\gitData\reports\products\QA-Testing\Quality\scenarios\history.json
historyManager] Saving: C:\gitData\reports\products\QA-Testing\Quality\scenarios\history.json
dashboard] Updating: Quality
dashboard] Saving: C:\gitData\reports\products\QA-Testing\Quality\results.json
productManager] Report Folder: C:\gitData\reports
productManager] Creating Qa Dashboard, please wait...
productManager] Saving: C:\gitData\reports\products\environment.json
productManager] Creating Html, please wait...
productManager] Product: QA-Testing
productManager] Environment: Quality
productManager] Folder: C:\gitData\reports
productManager] History Path: C:\gitData\reports\products\QA-Testing\Quality\results.json
productManager] Saving: C:\gitData\reports\products\QA-Testing\Quality\history.html
productManager] Saving: C:\gitData\reports\products\main.html
productManager] Complete...
commitReports] Creating Directory: C:\gitData
commitReports] Pushing changes to: https://gitlab.com/naveen8827/dummytest.git
commitReports] Complete...

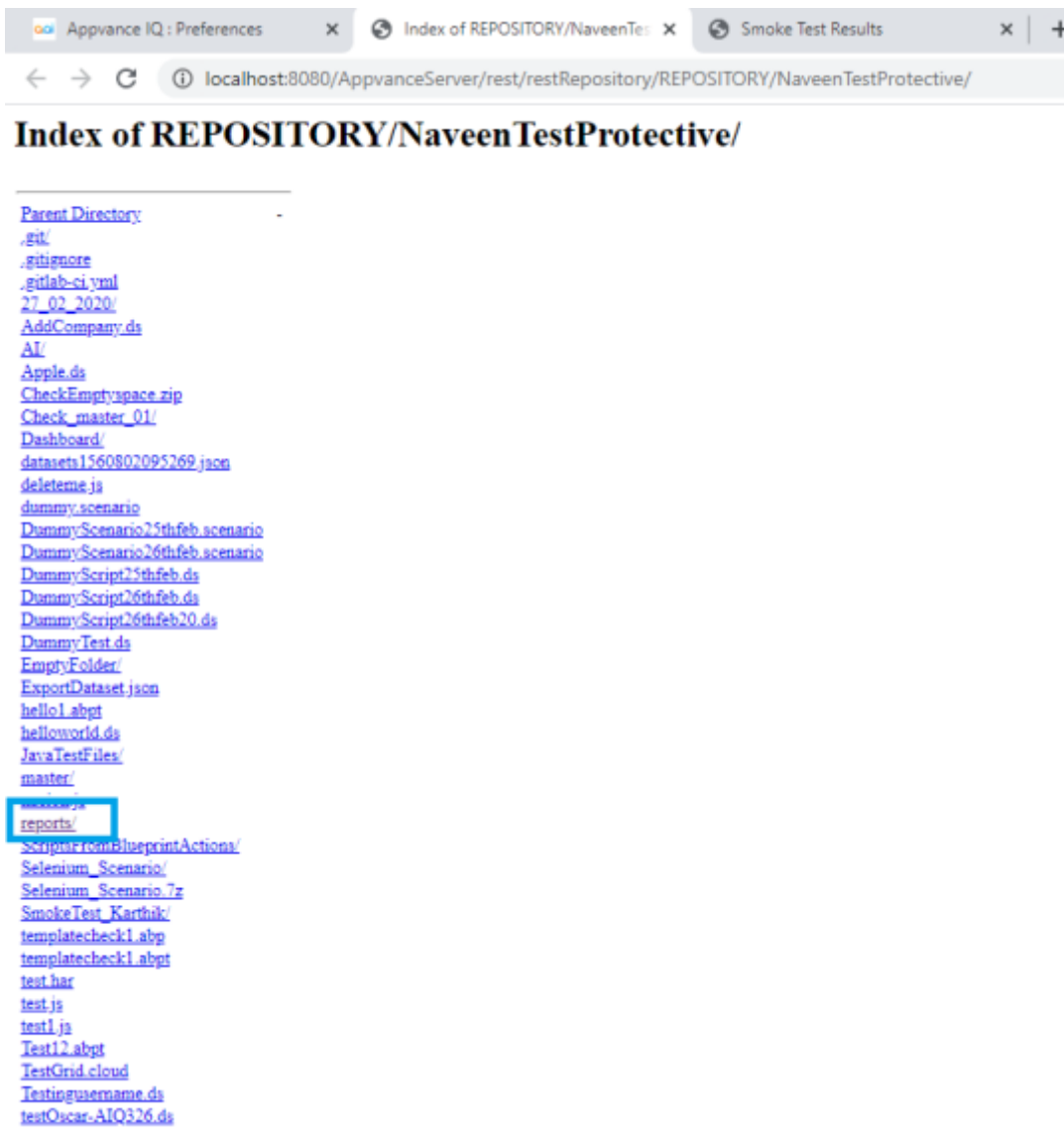
BUILD SUCCESSFUL
Total time: 2 minutes 50 seconds
D:\Naveen\April2020\CICD>

```

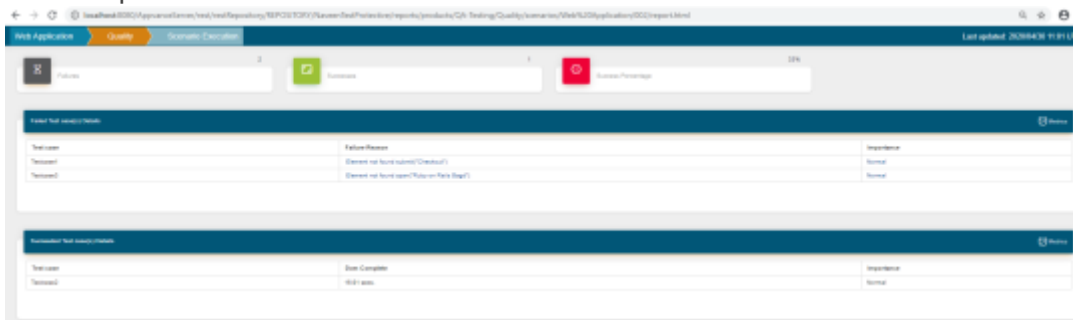
6. Once the build is successfully run, go to AIQ > Preferences > Repository
7. Click Explore Repository



8. Look for the folder called reports



9. Click Reports> Products > main.html to have the dashboards created



Last updated: June 26, 2023

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

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