

Automation User Guide

The purpose of this user guide is to show engineers how to execute Automated tests.

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Instructions

Pre-requisites (Subscription)

1. Overview Access the Azure DevOps site, login with your credentials.
2. The Overview screen will display.
3. Click on “Azure DevOps” on the top left corner.
4. Click on “Organizational Settings”
5. Make sure Azure Devops Access Level is Enterprise.

This screenshot shows the Azure DevOps interface for the HitachiQA organization. The top navigation bar includes the Azure DevOps logo, a search bar, and user profile icons. The left sidebar shows the organization name 'HitachiQA' and a 'New organization' link. The main content area displays the 'HitachiQA' header with a 'New project' button. Below this, there are tabs for 'Projects', 'My work items', and 'My pull requests'. A 'Filter projects' button is also present. A project card for 'Functional Testing' (FT) is visible. At the bottom left, there is a 'What's new' section titled 'Sprint 179 Release Notes' and a link to 'Organization settings'.

This screenshot shows the 'Users' page within the 'Organization Settings' for HitachiQA. The top navigation bar includes the Azure DevOps logo, the breadcrumb 'HitachiQA / Settings / Users', a search bar, and user profile icons. The left sidebar shows the 'Organization Settings' menu with options like Overview, Projects, Users, Billing, Auditing, Global notifications, Usage, Extensions, and Azure Active Directory. The main content area has tabs for 'All users' and 'Group rules', with an 'Export users' button. A 'Filter users' bar is present. Below this, a table lists the users. The table has columns for 'Name', 'Access Level', 'Date Added', and 'Last Accessed'. There is a 'Total' count of 1 user. A 'Summary' button and an 'Add users' button are also visible.

	Name ↑	Access Level	Date Added	Last Accessed
<input type="checkbox"/>	Miguel Acosta macosta@hitachisolutions.com	Visual Studio Enterprise subscription	12/14/2020	12/14/2020

Run Pipeline

1. Navigate to the project page.
2. Click on **Pipelines** on the left side pane.
3. Click on “ApolloQA” Pipeline
4. Click on “Run Pipeline”
5. (Optional) you can select a specific environment to run
 - 1.) Click on Stages to Run
 - 2.) Select only the environment you want to run.
6. Click on Run.

Azure DevOps interface showing the Pipelines section for the Apollo project. The left sidebar contains a navigation menu with 'Pipelines' highlighted. The main content area shows a table of recently run pipelines. The 'ApolloQA' pipeline is highlighted with a red box.

Pipeline	Last run
Apollo	#20210323.2 • Initial draft of rating result comparisons PR automated for 8396 3m ago 2m 51s
ApolloQA	#20210323.1 • Bug fixes & QAINT env file Manually triggered for master 49m ago 32m 8s
Apollo.Dev2	#20210320.1 • Test Manually triggered for OP/US30506_GD_StateMappings Saturday 35m 18s
Apollo.Release	#20210319.1 • Merged PR 8500: Updated all child entity IDs in forms rules to avoid collision. Manually triggered for releases/2021.03.19 Friday 2h 2m 45s
Apollo.Dev3	#20210318.1 • Merged 30543 and master Manually triggered for merc/us-21548 Thursday 35m 30s
Apollo.Prod	#20210310.2 • update sendgrid param Manually triggered for spectre/jb3/9282-sendgrid Mar 10 39m 21s
Apollo.Dev4	#20210309.2 • Merge branch 'master' of https://dev.azure.com/biberk/Apollo/_git/Apollo into... Manually triggered for spectre/ajh/task-33180 Mar 9 47m 52s

Azure DevOps interface showing the Pipelines section for the ApolloQA pipeline. The left sidebar contains a navigation menu with 'Pipelines' highlighted. The main content area shows a table of runs for the ApolloQA pipeline. The 'Run pipeline' button is highlighted with a red box.

Description	Stages	Run time
#20210323.1 Bug fixes & QAINT env file Manually triggered for master 1b9590d	1-1	2h ago 32m 8s
#20210320.1 Merged PR 8283: Extractor support for other state manuals Manually triggered for master f604bd6	1-1	Saturday 3d 3h 28m
#20210319.2 Merged PR 8283: Extractor support for other state manuals Individual CI for master f604bd6	1-1	Friday 3d 20h 45m
#20210319.1 Update azure-pipelines.yml for Azure Pipelines Individual CI for master 3e80503	1-1	Friday 4d 1h 44m
#20210318.1 chrome 88 Manually triggered for RateTables daade7b	1-1	Thursday 4d 17h 31m
#20210316.1 Chrome version 88 Manually triggered for master 4abee74	1-1	Mar 16 6d 20h 6m
#20210312.6 Chrome version 88 Manually triggered for master 4abee74	1-1	Mar 12 2h 15m 14s
#20210312.5 Chrome version 88 Manually triggered for master 4abee74	1-1	Mar 12 10d 17h 5m

Test Results (High Level)

1. Click on **Test Plans** on the left side pane.
2. Click on “Automated Test” suite.
3. Click on “Regression” suite.
4. Filter by Configuration (E.g., Automation UAT)
5. (Optional) search for tags like SmokeTest.

Note: Test Results will show the latest execution on the specified configuration’s environment. And if the environment is not configured, by default is being recorded as Unknown

The first screenshot shows the 'Test Plans' section in the left sidebar, with 'Test plans' highlighted. In the 'Test Suites' list, 'Automated Tests' is expanded, and 'Regression (30 of 120)' is selected. The main pane displays the 'Regression (ID: 15133)' suite with a filter dropdown set to 'Automation UAT'. A list of 30 test points is shown, including titles like 'US 9314 - TC01 - 9 Create an Application Quote with Left Na...' and their outcomes (Passed, Failed, Active).

The second screenshot shows the same interface after filtering by the tag 'SmokeTest'. The 'Test Points' list now contains 19 items, including 'Quote - E2E', 'FNOL - E2E', 'Create Contact', 'Create Vehicle', 'Create Driver', 'Operations', 'Policy Cov', 'Policy Addl Interest', 'Modifiers', 'Summary', 'UW results', and 'Billing'.

Test Results (Detailed)

1. Click on **Pipelines** on the left side pane.
2. Click on “ApolloQA” Pipeline
3. Click on the specific run

The screenshot shows the Azure DevOps interface for the 'Apollo' pipeline. The left sidebar contains a navigation menu with 'Pipelines' highlighted. The main area displays a table of 'Recently run pipelines'.

Pipeline	Last run
Apollo	#20210323.2 • Initial draft of rating result comparisons PR automated for 8396 3m ago 2m 51s
ApolloQA	#20210323.1 • Bug fixes & QAINT env file Manually triggered for master 49m ago 32m 8s
Apollo.Dev2	#20210320.1 • Test Manually triggered for OP/US30506_GD_StateMappings Saturday 35m 18s
Apollo.Release	#20210319.1 • Merged PR 8500: Updated all child entity IDs in forms rules to avoid collision. Manually triggered for releases/2021.03.19 Friday 2h 2m 45s
Apollo.Dev3	#20210318.1 • Merged 30543 and master Manually triggered for merc/us-21548 Thursday 35m 30s
Apollo.Prod	#20210310.2 • update sendgrid param Manually triggered for spectre/jb5/9282-sendgrid Mar 10 39m 21s
Apollo.Dev4	#20210309.2 • Merge branch 'master' of https://dev.azure.com/biberk/Apollo/_git/Apollo into... Manually triggered for spectre/ajh/task-33188 Mar 9 47m 52s

The screenshot shows the Azure DevOps interface for the 'ApolloQA' pipeline. The left sidebar contains a navigation menu with 'Pipelines' highlighted. The main area displays a table of 'Runs'.

Description	Stages
#20210323.1 Bug fixes & QAINT env file Manually triggered for master 1b959bd	3h ago 32m 8s
#20210320.1 Merged PR 8283: Extractor support for other state manuals Manually triggered for master f604bd6	Saturday 3d 4h 59m
#20210319.2 Merged PR 8283: Extractor support for other state manuals Individual CI for master f604bd6	Friday 3d 22h 17m
#20210319.1 Update azure-pipelines.yml for Azure Pipelines Individual CI for master 3e80503	Friday 4d 3h 15m
#20210318.1 chrome 88 Manually triggered for RateTables daade7b	Thursday 4d 19h 2m
#20210316.1 Chrome version 88 Manually triggered for master 4abee74	Mar 16 6d 21h 37m
#20210312.6 Chrome version 88 Manually triggered for master 4abee74	Mar 12 2h 15m 14s
#20210312.5 Chrome version 88 Manually triggered for master 4abee74	Mar 12 10d 18h 36m

Test Results (Detailed)

1. Click on the “1 published” Artifact.
2. Expand the specific environment.
3. Click on TestRunReport.html.

The image shows two screenshots of the Azure DevOps web interface. The top screenshot displays the 'Summary' tab for a pipeline run. The bottom screenshot displays the 'Artifacts' tab for the same pipeline run.

Top Screenshot: Pipeline Summary

URL: `dev.azure.com/biberk/Apollo/_build/results?buildId=16410&view=results`

Navigation: Overview, Boards, Repos, Pipelines (selected), Environments, Releases, Library, Task groups, Deployment groups, Custom Build Hub, Test Plans, Artifacts, Project settings.

Alert: Pipelines in your region may be impacted by a live site incident, resulting in possible pipeline delays. Check the status here.

Pipeline: #20210323.1 Bug fixes & QAIN env file (on ApolloQA, Retained)

Summary Tests Environments Extensions Build Info

Manually run by Miguel Acosta (View 250 changes)

Repository and version	Time started and elapsed	Related	Tests and coverage
ApolloQA master 1b9590d	Today at 10:32 AM 32m 8s	25 work items 1 published	40.6% passed Setup code coverage

Errors 89 Warnings 12

- [ERROR] Assert - text: [Apple Orchard] does not Contain value: [Towing Co]
UAT - Run Automated Tests - Running a Smoke Test
- [ERROR] Assert - text: [Apple Orchard] does not Contain value: [Towing Co]
UAT - Run Automated Tests - Running a Smoke Test
- [ERROR] Assert - text: [Apple Orchard] does not Contain value: [Towing Co]
UAT - Run Automated Tests - Running a Smoke Test
- [ERROR] Timed out after 3*** seconds -> no such element: Unable to locate element: ("method":"xpath","selector":"/div[@class='outer-info ng-star-inserted']][2] //div[@class=...

Bottom Screenshot: Artifacts

URL: `dev.azure.com/biberk/Apollo/_build/results?buildId=15889&view=artifacts&pathAsName=false&type=publishedArtifacts`

Navigation: Overview, Boards, Repos, Pipelines (selected), Environments, Releases, Library, Task groups, Deployment groups, Custom Build Hub, Test Plans, Artifacts, Project settings.

Alert: Pipelines in your region may be impacted by a live site incident, resulting in possible pipeline delays. Check the status here.

Artifacts

Published

Name	Size
> TestResults_QA2	14 MB
> TestResults_UAT	13 MB
□ ApolloQA_ApolloQA_2021-03-13T012254.log	548 KB
> Screenshots	10 MB
□ SpecFlow.Plus.Runner.Reporting_ReportGenerationLog_20210313014910.log	2 KB
□ TestRunReport.html	941 KB
□ VssAdministrator_fw-az121-957_2021-03-13_01_23_31.trx	655 KB
> VssAdministrator_fw-az121-957_2021-03-13_01_23_31	2 MB