

Q&A from Automatics with CDRouter Integration Webinar

1. Are these thousands of test cases opensourced? If not, when can we get access?

Opensourced automatics test scripts are available in CMF repository.

Repository Details:

| Repo Name | Repo Url | Remarks |
|---|---|---|
| RDKV Test Utils | https://code.rdkcentral.com/r/admin/repos/rdk/tools/automatics/rdkv-test-utils | Test utility APIs for RDKV tests |
| RDKV 1.0/Scripted Test Scripts | https://code.rdkcentral.com/r/admin/repos/rdk/tools/automatics/rdkv-tests | RDKV Test Scripts based on Java TestNG |
| RDKB Test Utils | https://code.rdkcentral.com/r/admin/repos/rdk/tools/automatics/rdkb-test-utils | Test utility APIs for RDKB tests |
| RDKB 1.0/Scripted Test Scripts | https://code.rdkcentral.com/r/admin/repos/rdk/tools/automatics/rdkb-tests | RDKB Test Scripts based on Java TestNG |
| RDKV & RDKB 3.0/Scriptless Test Scripts | https://code.rdkcentral.com/r/admin/repos/rdk/tools/automatics/scriptless-test-config | Json configuration for RDKV and RDKB scriptless tests |

Total count of test scripts as of 18th March 2024:

| | |
|----------------------------------|-----|
| RDKV Total Scripts | 370 |
| RDKV 1.0/Scripted Test Scripts | 292 |
| RDKV 3.0/Scriptless Test Scripts | 78 |
| RDKB Total Scripts | 783 |
| RDKB 1.0/Scripted Test Scripts | 705 |
| RDKB 3.0/Scriptless Test Scripts | 78 |

2. Which column represents skipped tests?

Skipped tests will be shown in NT column of Execution Results page.

3. Are test logs/attachments also visible through Automatics or require to be checked in CDRouter page?

CDRouter execution logs can be viewed from Automatics. In Job Manager page, when user clicks on Jenkins icon against each job, it will show the cdrouter execution logs.

4. Why do you use URL as device? Can't we use some useful name instead of directly adding URL in Run on models.

In upcoming releases of Automatics, we can plan the change.

5. Could you share execution reliability scores and timelines?

Execution timeline depends on the number of CDRouter tests selected for single execution.

6. Will CDRouter work with Automatics3.0?

Yes, CDRouter packages can be executed together with Automatics 1.0 and 3.0 test scripts.

7. How will the connected client test executions be handled on the devices connected to CDRouter?

CD Router can be used to simulate Client devices, both Ethernet and Wireless. In the basic configuration we set a WAN Interface (Which is the details of out DUT) and a LAN Interface (client details). In LAN Interface we set a physical connection from the DUT to the CD Router if we need an Ethernet client. For wireless client no need of any physical connection to the CD Router (just set the LAN interface as wifi1ac/wifi0an etc).

Now this client is created in runtime when a CD router testcase is executed. So effectively the testcases showcased in the demo are connected client testcases only.

Execution of CC testcases from Automatics. Since the device is accessible from Automatics the CC testcases should be executed normally if there are clients connected to it and configured in the device manager.

8. Could we configure multiple devices to a CDRouter? If so, how will we select the different DUTs?

Yes, we can physically connect multiple DUTs to the CD Router. Each device should have a separate config file and device file. To run a package from CD Router we need to change the config file and device file to the required device manually from the CD Router UI.

When executing from Automatics, we will need a different package (test) exposed for different device. We cannot run the same package from automatics for different devices as the config and device files are assigned from the CD Router.

Our understanding is that we can only run one package at a time. If we run multiple packages on different devices, it will follow a queue based execution.

9. Test description and expected result are not coherent in the UI. How is that being streamlined considering the maintainability?

We will check on the feasibility of getting test description and expected result via rest api. if feasible we will include them.

10. Are you planning to do this kind of presentation for the Candela tests integrated with Automatics?

Currently, we have support to simulate clients using Candela. Depending on further enhancements that we will bring in Automatics side, we can plan for a demo.

11. Link from the PPT shows page not found:

<https://wiki.rdkcentral.com/display/ASP/Automatics+Collaboration>. Do I need special access?

Yes, access to be enabled. Please login to RDK wiki, before launching this webpage in browser. Then there will be an option for access request.

12. What's the version of Automatics?

CDRouter support is added in Automatics Release 22. Please take the latest version of Automatics source code. For CDRouter support, Automatics Orchestration version should be v3.25 or higher, CDRouter

service v0.0.3 or higher.

13. Would system be able to attach the test reports and summary to a given JIRA system on a need basis?
Current support in Automatics allows JIRA ticket to be updated with execution logs.

14. If a test case pass/fails but there is some anomaly on the gateway, say a process crash or a Ccsp component crashes, is there a mechanism to capture such crash in the Automatics-CDRouter ecosystem?

No. We can only get the CDRouter related logs, not the device logs. During an execution if the device went down due to some crash and not accessible then CDRouter will stop the execution and will show as failed. We cannot get crash/failure details from the DUT unless it is a part of CD Router testcase.

15. What do you mean easy CI integration? Is it applicable exclusively to Jenkins or in general?

Automatics exposes rest points to receive CI requests from partner environment and update the CI execution results back to partner environment. Any partner component, say Jenkins or a CI portal, can communicate with Automatics via rest points. More details on CI integration are available at <https://wiki.rdkcentral.com/pages/viewpage.action?pageId=254399978>.