IBM Rational Test 10.1.1 updates

Want to stay updated on what's new with IBM Rational Test portfolio? You can always find the latest product updates here. It includes write ups, webinars, discussions and what's happening with the Rational Test products

Here are some highlights from the recent Rational Test 10.1.1 release

Rational Test Automation Server updates

IBM Rational Test Automation Server (RTAS) is a web-based platform built on modern, cloud native technologies. To address the problem of scaling testing of modern applications, Rational Test team expanded RTAS's capabilities to support Kubernetes and Redhat OpenShift in our previous 10.1 release in June, 2020.
10.1.1 focussed on incorporating user feedback and adding in some improvements to Mobile testing and Service Virtualization

- **Execute compound test containing Mobile tests on RTAS**: We've expanded our scope of execution of compound tests containing mobile tests on device clouds. With this release, users can execute compound tests containing mobile tests on
  - Bitbar
  - Perfecto
  - Remote Appium

Users would then be able to view execution status and report from within RTAS

	Type	Test	Started by	Started on ▾	Duration	Verdict	Labels		Actions
☐	▦	RTASMobileDemoCT RTASMobileDemo/RTASMobileDemoCT.testsuite	mahesh	Sep 22, 2020 7:35 PM	00:03:10.922	■ Pass		⊕	▶

DETAILS

Id	2308
Branch	master
Result	RTASMobileDemoCT
Finish on	Sep 22, 2020 7:38 PM
Status	●——●——◉ Complete
Git repo	git@github01.hclpnp.com:ankur-sh/aft_dev.git
Git path	RTASMobileDemo/RTASMobileDemoCT.testsuite
Git commit	**added mobile ct** Mahesh Babu S committed 8 hours ago (#HEAD) (#refs/heads/master)
Execution location	Default Cluster

Reports

Statistics Report	🗑
Test Log (Text)	🗑
Functional Test Report	🗑

Git commit: 📋 bd54bb7 <>

- **Run Istio stub without having to use FQDN of the service**: Kubernetes services can be accessed by using their short name or their fully qualified domain name, or something in-between. It was not possible to set up the Istio routing when running a stub when that stub was configured with the service's short name as the host because the intended namespace was unknown. With this release, we now have a list of virtualization namespaces which tells RTAS which namespace to use

- **Platform support changes**: RTAS 10.1.1 is supported on Ubuntu 18.04 (18.04.4 or later, tested with 18.04.4) + Microk8s v1.17.x (1.17.11 or
  later, tested with 1.17.11), or OpenShift 4.2+ (tested with 4.4.3, 4.5.1, 4.5.4).

Added support for later browser versions since 10.1*:
• FF - 79.0 (64-bit), tested with78, 79 • Chrome - 84 , 85, tested with 84, 85 • Edge Legacy – 44.1, tested with 44.1
• EdgeChromium(aka new edge) – 84, tested with 84

- **Concurrent dataset editing improvements**: If two or more users are editing datasets at the same time, users will now see a a circle with initials of the person editing the dataset in parallel

Clipboard	Image	Tools	Shapes	Colors
			data/encryptedTest/proj/120K_Records.csv	

Datasets	
Changes	
Execute	
Execution	
Progress	
Virtualization	
Routing Rules	
Stub Usage	
Analyze	
Results	

> 120K_Records_excel data/encryptedTest/proj/120K_Records_excel.xlsx	21 Col × 120000 Row	
> 120K_Records_excel data/encryptedTest/proj/Datasets/120K_Records_excel.xlsx	21 Col × 9 Row	
> OneColumn_excel data/encryptedTest/proj/Datasets/OneColumn_excel.xlsx	1 Col × 6 Row	
> nuur-test-4 data/encryptedTest/proj/Datasets/nuur-test-4.csv	2 Col × 1 Row	
> simpleEncryptedDataset data/encryptedTest/proj/Datasets/simpleEncryptedDataset.csv	3 Col × 3 Row	
> testDataset data/encryptedTest/proj/Datasets/testDataset.csv	21 Col × 120000 Row	
> Encrypted_120K_Records data/encryptedTest/proj/Encrypted_120K_Records.csv	21 Col × 120000 Row	
> OneColumn data/encryptedTest/proj/OneColumn.csv	1 Col × 9 Row	
> OneColumn_excel data/encryptedTest/proj/OneColumn_excel.xlsx	1 Col × 6 Row	
> SecondOneColumn data/encryptedTest/proj/SecondOneColumn.csv	1 Col × 4 Row	
> basicds AJ DP data/encryptedTest/pr... Dawn Peters	1 Col × 3 Row	

demoProj • **Changes**

🔍 Search

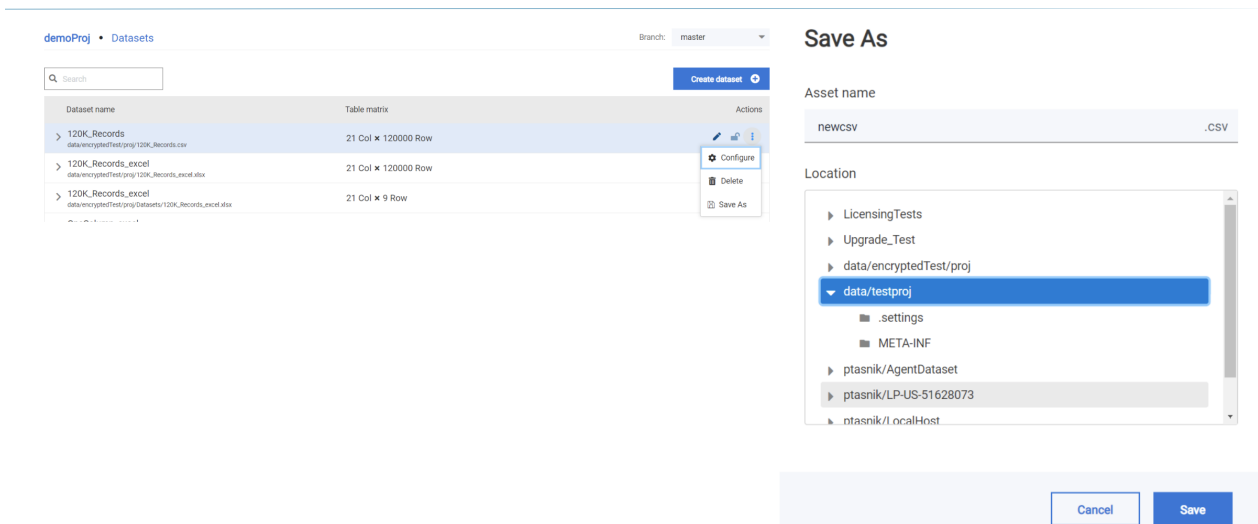| ☐	Asset name ▲	Change
☐	▦ basicds AJ DP data/encryptedTest/proj/basicds.csv	Update ▾

- **Save As option for dataset editing**: A user can now do a save as from datasets listing tab and changes tab. It is accessed from the … button under actions

Rational Performance Tester and Rational Service Tester updates

- Published reports links added to console logs for RPT external integrations. Post test execution from integration tools, the published reports information from RTAS will be displayed along with the verdict for the RPT test execution.

- Resource Monitoring Labels Override option added to RPT external integrations. Users can now change the Resource Monitoring sources when the schedule is launched. Resource Monitoring Labels Override option added to RPT – Jenkins, UCD, Azure, Ant, Maven, ALM integrations. During test execution from the integration tools, this will enable the Resource Monitoring from Service option for the schedule if it is not
enabled in the schedule editor and overrides the Resource Monitoring labels that were set in the schedule.

Rational Integration Tester updates

- Visibility of telemetry when running an API test in RTAS. RIT now generates Jarger traces when executing suites

- RIT will automatically include the CR LF characters on all lines for Data Driven Swift content. Earlier when working with data driven Swift content, line feed (LF) based content did not contain Swift required new line carriage return (CR) pairing. For example, Excel uses only LF characters for new line characters. Option now available to normalize new line characters, which completes CR LF pairings.

- Reading and updating a tag from within a custom function - Customers can augment the functionality offered by RIT by writing their own Custom Functions and adding these into the Functions folder of a project. This change was made as there was no method available that allowed users to read the value of a tag as part of work they were doing within a custom function.

```java
public class TagReader extends Function {

        // name of tag to be read
        private Function tag;

        public TagReader () {}

        public TagReader(Function f1) {
            tag = f1;
        }

        @Override
        public Function create(int size, Vector params) {

            return new TagReader((Function)params.get(0));
        }

        @Override
        public Object evaluate(Object data) {

            String tagName = tag.evaluateAsString(data);
            return ((TagInspector) data).getTagValue(tagName);


        }

}
```
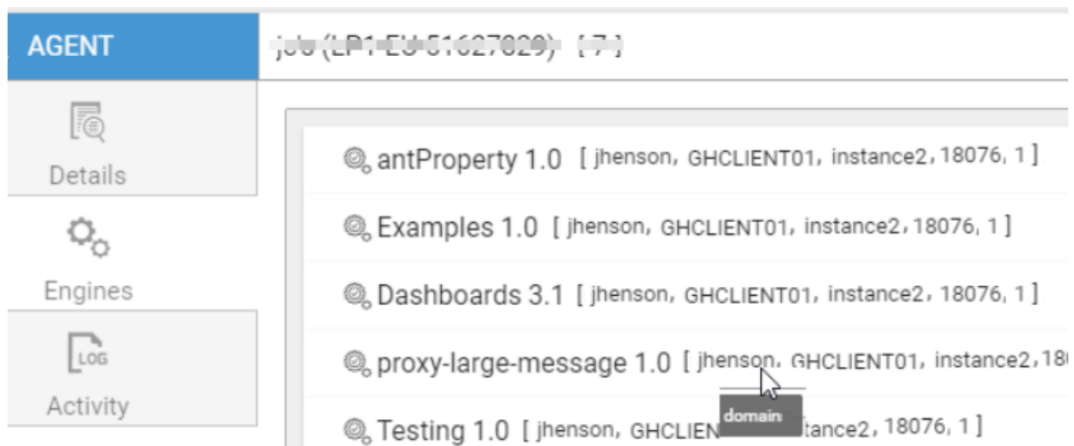
- Setting a timeout on a RunCommand action - This change will allow users to specify an amount of time allowed for a Run Command Action to complete. Time specified in milliseconds.

- New warning if the user has forgotten to add the signing extension when using their own certificate with the HTTP Proxy

- Enhancements to Rational Test Control Panel

    - Viewing engine summary - Details about each engine displayed - Domain, Environment, Identifier, Process ID, Number of stubs.
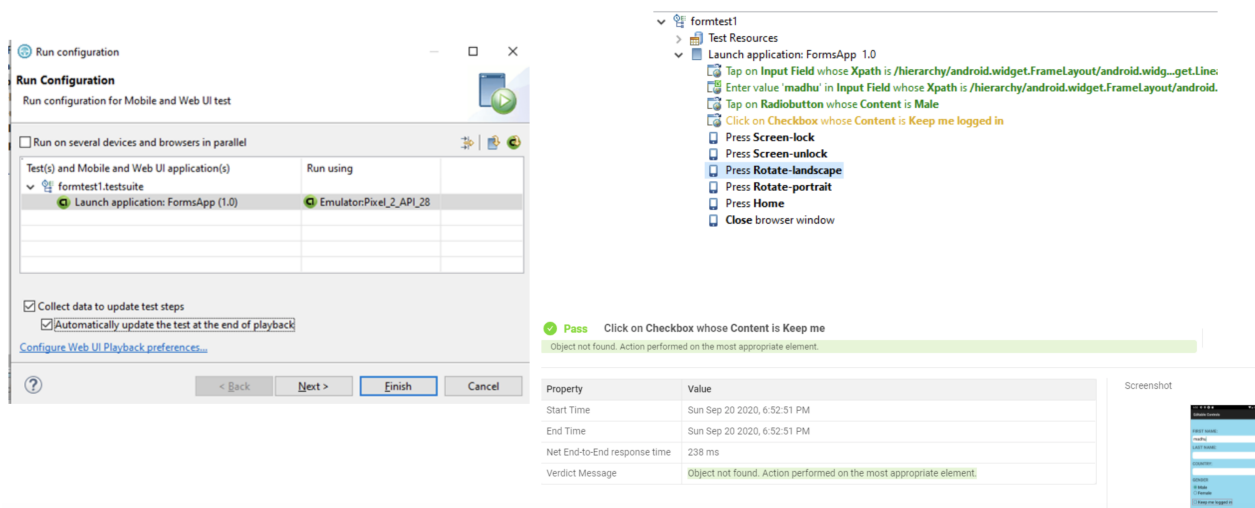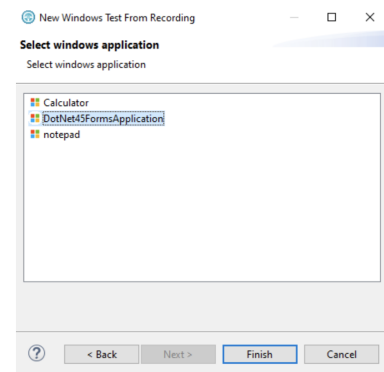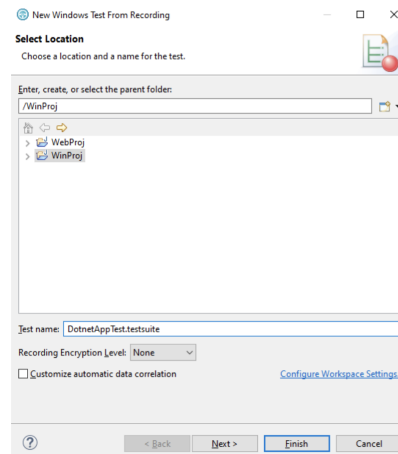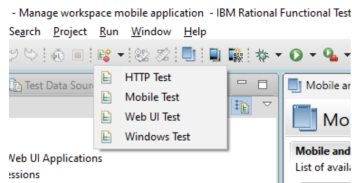
View in 10.1.1

- Viewing stub hit count - We now allow the users to view the stub count without having to drill it down

- Option to stop all running stubs whenever an engine is stopped - Customers can now stop all running stubs when an engine is stopped to prevent stubs from restarting

- Using virtual IPs as virtual clients

- Recording Istio traffic using the service's Fully Qualified Domain Name [FQDN]

- MIME Signing and Encryption Enhancement for Bouncy Castle - Users can now pick required bouncy castle algorithms for MIME messages

Rational Functional Tester updates

- **Testing of Mobile Apps on Device Clouds** - Users can run compound mobile tests on device clouds like Bitbar and Perfecto. We have also added Auto/Guided healing to mobile testing

- **Testing of Windows Apps** - Users can now record and playback against windows applications. This expands RFT's coverage of WebUI style testing to Desktop Windows applications. Users are now able to record, playback and view test results for Windows desktop based products

- **Unified reporting enhancements** - Enhancements to the newly introduced unified reporting include

  - Export for portability
  - Resize for Flexibility
  - Enhanced Verification Point support for deeper analysis

- **Microsoft Edge Support** - Users can now execute existing suite of RFT scripts on Microsoft Edge

- Dynamic Driver update - This offers convenience to the end user in the ever-updating web driver environment.

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Our Client Advocacy Program provides customers a direct point of contact for Rational Test products, promoting a strategic relationship with our technical, management, and executive leaders

Our Client Advocacy Program is Based on:

- Cohesive and collaborative approach influencing the product roadmaps
  Proactive communication on product news and updates
- Support for in-depth product understanding and business needs definition
- Frequent interaction and feedback sessions during product and feature development

If you are a current customer and are interested in our program or have questions, please contact marianne.hollier@hcl.com

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