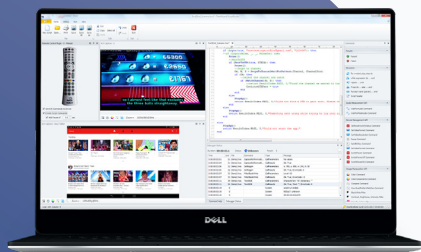


## testwizrd now also supports JavaScript and Python scripting languages

- ✓ Create JavaScript and Python scripts in the IDE of your preference or continue to use LUA in scriptstudio
- ✓ Test and debug the JavaScript and Python scripts in the IDE of your preference using a testwizrd Robot on a development system
- ✓ The familiar testwizrd commands are made available as part of a command library
- ✓ Freely schedule and execute a mix of LUA, JavaScript and Python scripts on the



## Remote manual testing

- ✓ Remotely control iOS and Android mobile devices directly from the mosaic page, like Set Top Boxes and other test objects
- ✓ The Mosaic view now shows a real-time indication of the audio level on the single and multi-device views
- ✓ Create a video recording of a manual remote test session
- ✓ A logging of all actions performed during remote manual testing is created
- ✓ The mosaic view now shows device information and

## Reporting

- ✓ Users can now add and remove individual test script results to/from in Kibana.
- ✓ Intermediate test results of test scripts are published to Kibana. This will help users to more accurately track progress of the execution of a Test Session.

## Testing

- ✓ Unattended automated testing of multiple devices: Smart TV's, mobiles, tablets, STBs, webservices & web apps
- ✓ Suitable for integration testing, regression testing, functional and non-functional testing
- ✓ Data-driven testing by using customisable parameters
- ✓ Powerful end-to-end automation from back-end to end-user devices with multiple devices controlled from a single test scenario

## Web, Mobile and Multimedia

- ✓ Android TV (& STB) support for interaction with Android TV OS and applications
- ✓ Support for 4k HDMI capture
- ✓ Audio integration enabling monitoring of audio during test execution on STBs
- ✓ The web test object now supports the Safari web browser on Mac computers
- ✓ It is possible to record the device log from Android and iOS mobile devices to help with investigating failing tests

## General

- ✓ Robot and ScriptStudio are 64-bit processes providing access to more memory for more complex test scenarios
- ✓ (Private) cloud based manager supporting flexible scaling, multi-tenanted approach and geographically distributed sites
- ✓ Integrated with third-party applications and plug-in SDK for developers to create their own functions and commands
- ✓ Test Lab mode allows greater flexibility in the control of test objects and devices
- ✓ Delivers highly effective test automation in DevOps environments
- ✓ Availability of full functional development & debug environment with service monitoring capabilities.
- ✓ Allows multiple device control from a single test and re-run tests on different models and platforms