

Remote Device Access (RDA)

Abstract:

Smartphones are getting more compact and well equipped with every passing day. They have become a very strong tool when it comes to business as well as personal.

Mobile has become an essential part of our daily life with useful application. And large developer community is adding useful application at every moment. But developing & launching competitive, error free application is very difficult or impossible due to variations in OS, manufactures, api etc. Developer needs to ensure the application quality before release by testing the application on most of these variations that they can target larger audience.

Mobile application development needs real device to test the application. With rapid increase in number of platform and devices it is very costly matter for a company to buy all devices for test their application. With help of Remote Device Access (RDA) more users can use the same device for testing purpose.

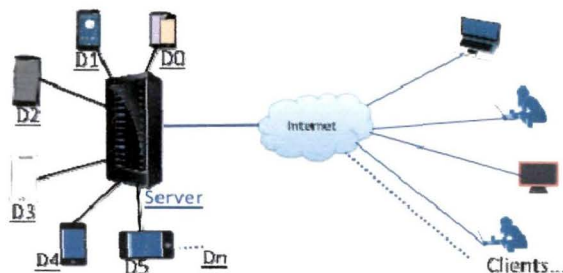


Fig : Architecture of Remote Device Access

The aim of RDA is to provide a web enabled platform where user (developer/tester) will have a list of devices. According to his/her plan, can select a particular device and can perform test operation on particular device. And also can have a device interface of remotely connected devices.

Here are some of the benefits of this platform.

1. Remote Access: different location team member will able to access the same devices.
2. Multi user / Multi application: more than one user should able to run the application simultaneously or at same time.
3. Test Automation – The RDA will help to have test automation in place.
4. Log Capture: It will allow simple and easy interface to capture the log from the device.
5. Test Report & Bug Integration: The system should allow easy way to generate the bug report and should allow creating the bug.
6. Dashboard for user to see all previously runs instances.

Project Team

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