

What is Test Cloud?

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Test Cloud

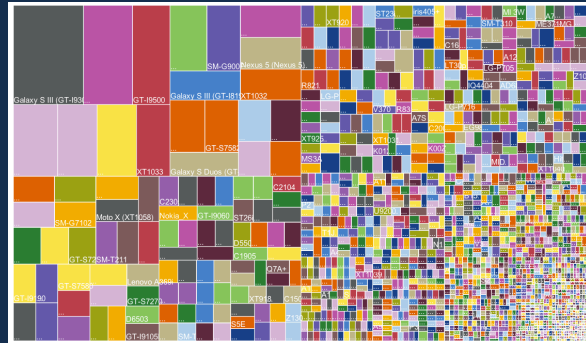
Test Cloud is a Cloud-based service that offers Acceptance Testing on hundreds of different mobile devices



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The fundamental problem

- There are so many devices available that it is impractical to test on all known devices.
- Test Cloud lets you test your applications on the most common devices on the market



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Preparing Apps

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Preparing an iOS App

- iOS should Build an Adhoc Application targeting all processors and add the Calabash component from the Component Store

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Adding the Test Cloud Agent Component

Running a local Test Cloud Agent from your app

```
public override bool FinishedLaunching (UIApplication app,
    NSDictionary options)
{
    ...

    #if DEBUG
    Xamarin.Calabash.Start();
    #endif

    return true;
}
```

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Demonstration

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Preparing an Android App

- Add 'Internet' permission
- Android should Publish an Android Package
- Choose all processors
- Don't resign the application

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Demonstration

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Uploading Xamarin.UITest Tests

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Getting to know the console

- Test Cloud work is performed using the Test Cloud console from <http://testcloud.xamarin.com>

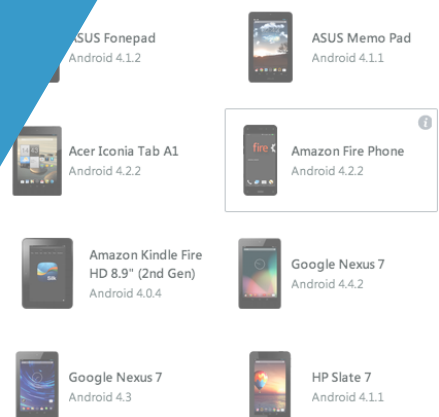
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Uploading to Test Cloud

- Applications can be tested using App Explorer or they can be tested using Acceptance tests written using Xamarin.UITest

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Testing with Xamarin.UITest

- A slightly different process exists for tests build with Xamarin.UITest
- You need to use the “mono test-cloud.exe” application to push the details to the Test Cloud

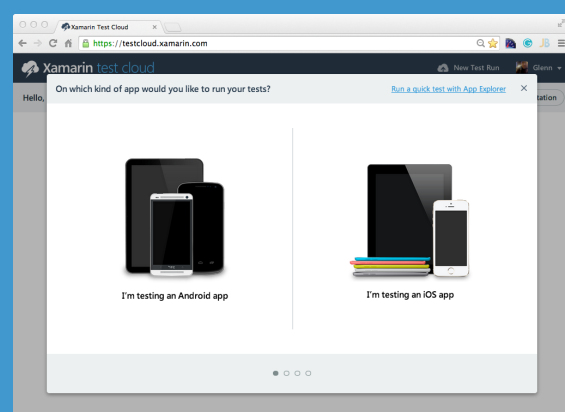
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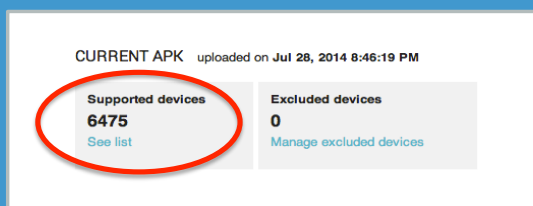
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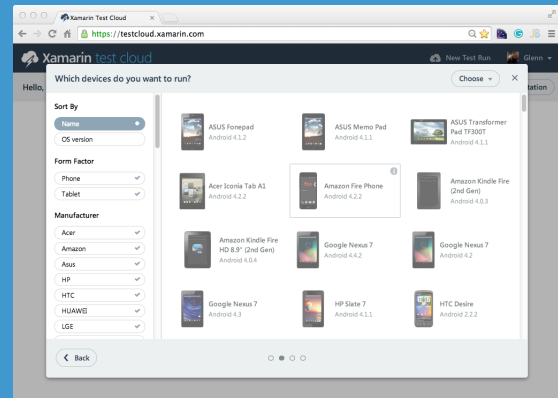
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Choosing your devices

- Choose your devices based on Market share, although you may want to create a focused list of devices.



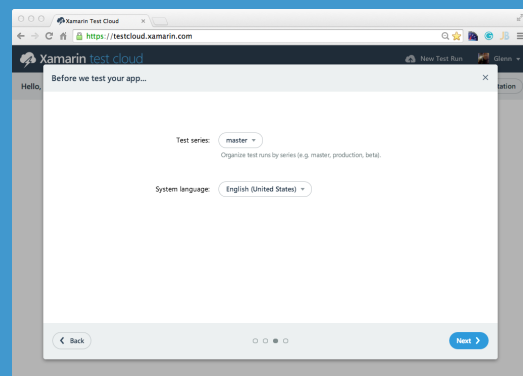
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Setting the Test Series and Language

- You can label your tests and also choose what language/locale that you want to use in your test run

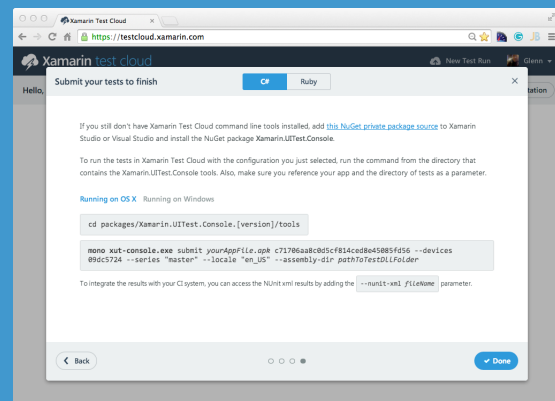


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Submitting your tests

- Submitting means running the test-cloud.exe app to upload the app, the acceptance tests, select the locale, test series and the device list



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Demonstration

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Examining Test Results

- A slightly different process exists for tests build with Xamarin.UITest
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Summary

- What is Test Cloud
- Preparing Applications
- Uploading Tests
- Examining the Results

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