Visual Studio App Center

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Corporate Overview – ValueMomentum Software Services

- Software & Services Firm
- **Financial Services & Insurance focused**
- Established in 2000 with HQ in NJ, USA
- 150+ dedicated R&D team
- Executive Leadership and Practice Heads based in the US
- Offshore centers are SSAE 16 SOC 2 certified. Clean Rooms for several clients offshore

23%
Compound Annual Growth Rate since 2000

4
Analysts covering ValueMomentum Software & Services

>65
Clients Served in North America

1,850+
Global employee strength

Top 15
IT Services Vendor for North American P&C Carriers by # of customers*

14
>5 Year Customer Relationships Average ~8 years

BUSINESS FOCUS

- Banking & Lending
- Capital Markets

- Property & Casualty
- Healthcare
- Life & Annuities

VALUEMOMENTUM

Deliver Value. Drive Momentum

Agenda

- Visual Studio App Center
- Creating a new App
- Configure your repository
- Configure your Build & Test
- Distribute
- Analytics
- Crashes
- Push Notifications

App Activities and Life Cycle

- How many of you have build mobile Apps?
- How do you test your mobile apps?
- How do you distribute to your testing team/Beta Audience?
- How do you collect Analytics of App usage?
- How do you want to monitor app crashes?
- How do want to send campaign to selective users?

App Center at a Glance

App Center brings together multiple services, commonly used by mobile developers, into a single, integrated product. You can build this and test, distribute, and monitor your mobile apps, and also implement push notifications.

- Visual Studio App Center lets you automate and manage the lifecycle of your iOS, Android, Windows, and macOS apps.
- Ship apps more frequently, at higher-quality, and with greater confidence.
- It automate your builds, test on real devices in the cloud, distribute apps to beta testers, and monitor real-world usage with crash and analytics data all in one place
- Visual Studio App Center is the next generation of HockeyApp.
- After a public preview, Microsoft has renamed and officially launched its "mission control" service for mobile apps, now called **Visual Studio App Center**.

Services

[Build](#)

Create an installable app package automatically with every push to your repository. Supports GitHub, or Git repos on Bit bucket and Visual Studio Team Services (VSTS). No additional build hardware required.

[Test](#)

Run your tests on more than 400 unique device configurations.

[Distribute](#)

Users can install the app via email distribution lists for testing, much as they'd download an app from the app store.

[Crashes](#)

Collect crashes from all devices, prioritize them based on the number of users seeing the crash, and get the full stack traces to help you fix them.

[Analytics](#)

Get information about the number of daily, weekly, and monthly users, session duration, the top devices and more. Use events to collect rich behavioral analytics data.

[Push Notifications](#)

Engage your users by sending them targeted messages to specific sets of users at exactly the right time. Create segments of users based on device and custom properties.

A One Stop Solution

- All DevOps Activity is taken care by App Center
- Do Not require to purchase multiple device for testing
- Don’t need to worry about how and where to send analytics data
- Focus only on improving you App and its customers

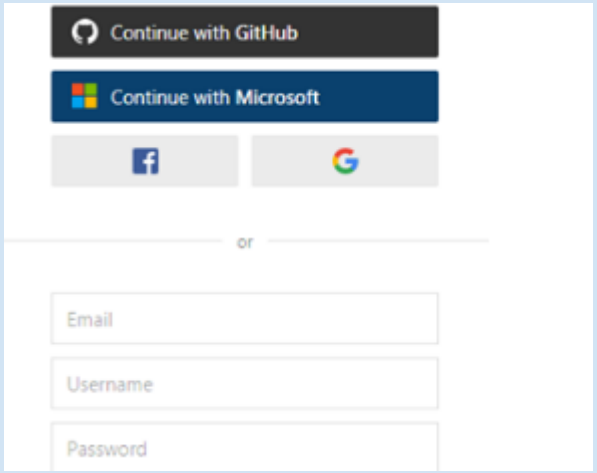
App Center is so Agile

- You can choose any of the beacon of Mobile Center and start using it.
- You don’t need to necessarily use all of the beacons or features
- All features have public facing end points which are present at https://openapi.appcenter.ms/

Sign- In and Create new App

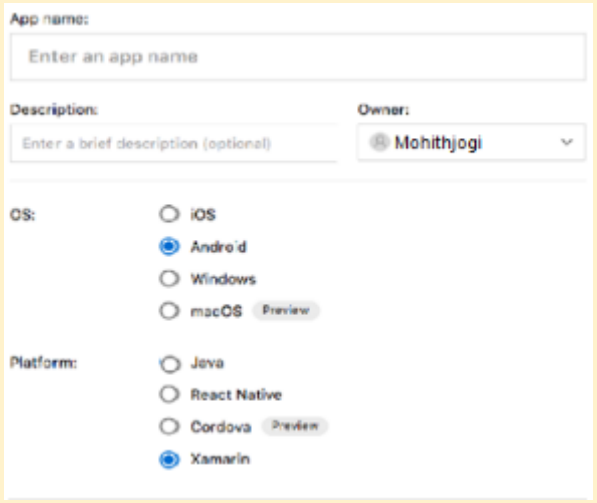
Sign-In

- **Go to :** https://mobile.azure.com/login
- Existing HockeyApp users can use their existing credentials to sign-In
- Microsoft and GitHub accounts also available



Create new App

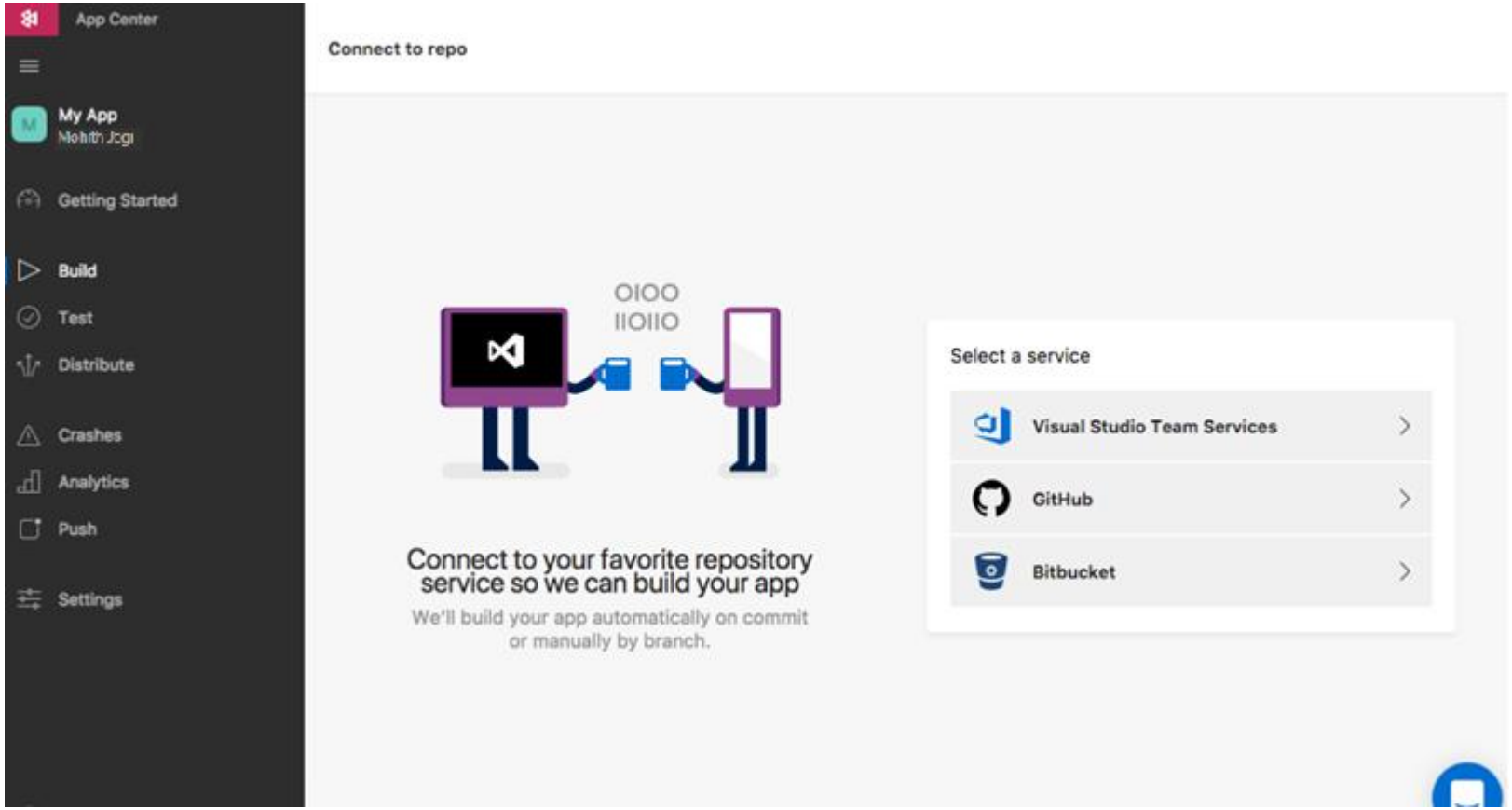
- Select “Add new” button -> Add new app.
- Enter your new app name. Select “Android” as your target OS and “Xamarin” as the language



Configure your repository

Configure Repository

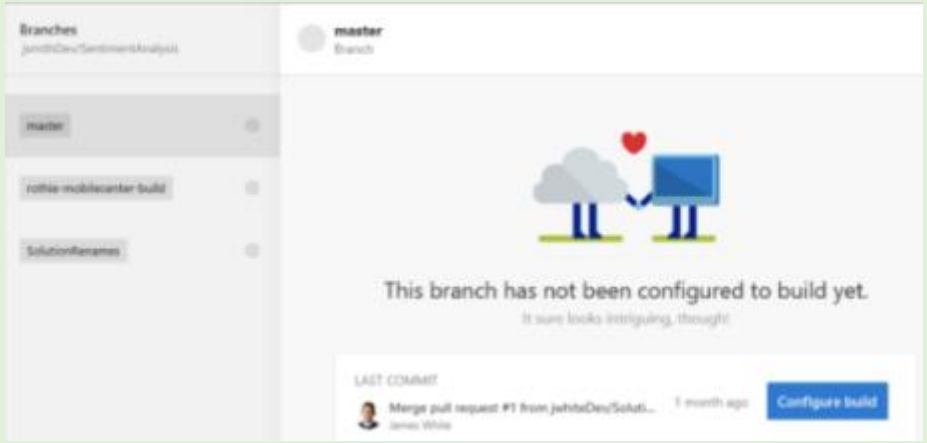
- Select the "Build" service from the sidebar, then select the repository containing the app you want App Center to build.
- Once authenticated, App Center retrieves your source code. Select the app you want to build from the list.



Configure Your Build & Test

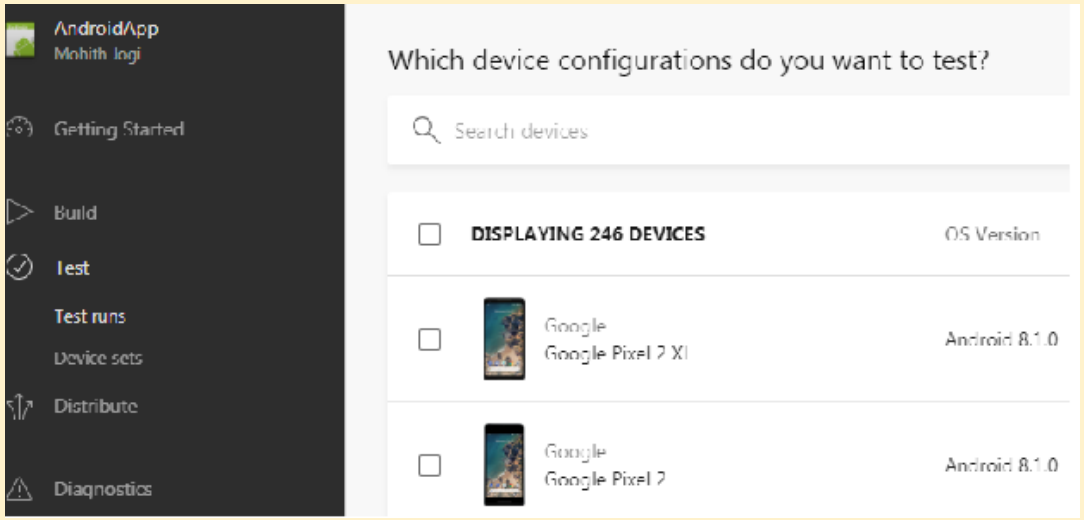
Build

Now your repository is linked, and all the existing development branches are listed. Select the one you want to build and select "Configure Build".



Testing

Create tests in a variety of frameworks, including XCUITest, Espresso, Appium, and Xamarin UITest. Run those tests with every commit. Identify failures quickly with screenshots and videos of every test step, along with CPU and memory usage, stack traces, and logs

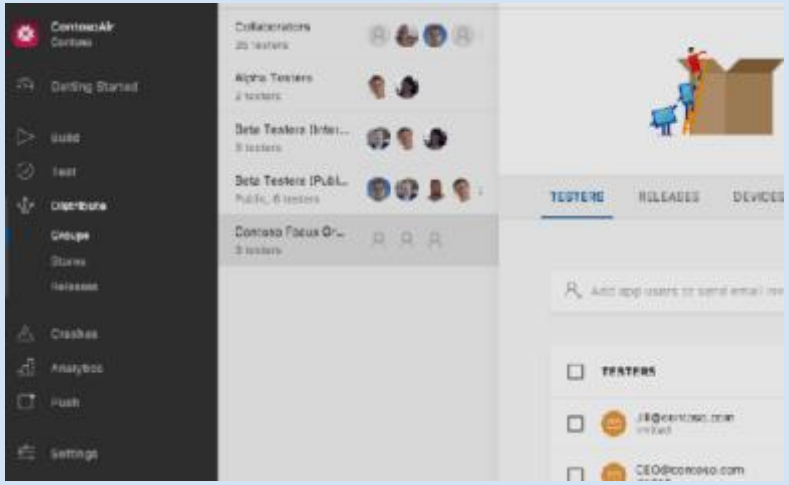


Distribute & Analytics

Distribute

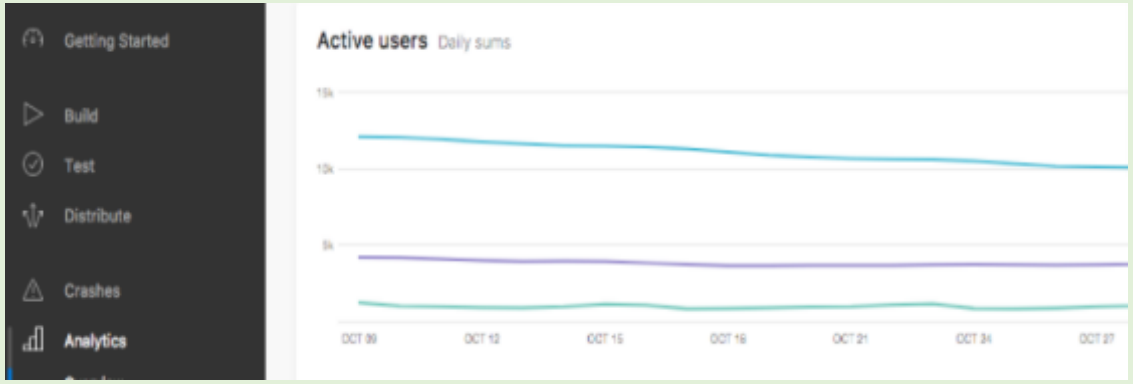
App center supports distribution to:

- Beta testers
- Google play and Apple's App Store
- Microsoft Intune



Analytics

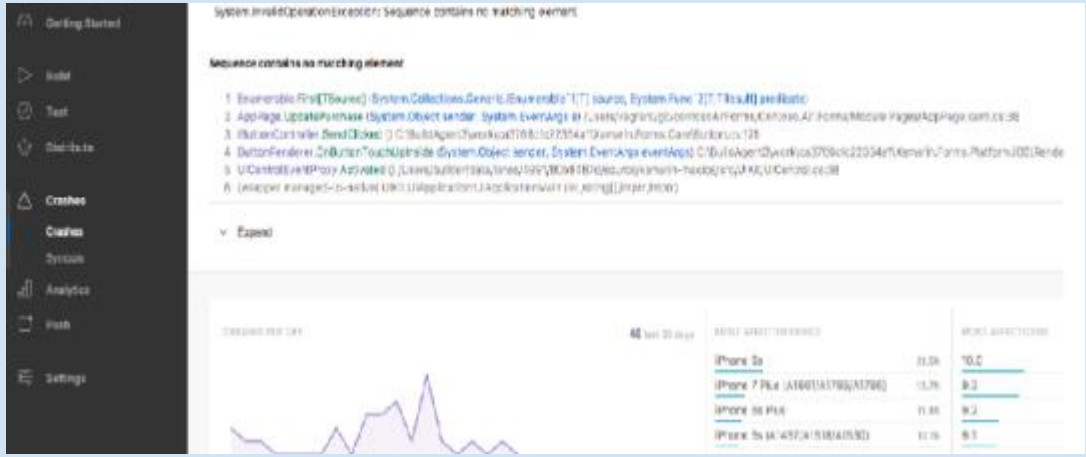
The Analytics dashboard renders a world map with insights on your audience, including active users, popular device models, and activity.



Crashes and Push

Crashes

Get crash reports throughout the lifecycle of your app, from early prototype to all production stages. Crash reporting lets you monitor the health of your app, with full symbolication for faster debugging, grouped by severity to help you triage



Push

Engage your customers with timely notifications using the Push service. By leveraging analytics data, you can create audiences based on a combination of geography, language, carrier, and device properties, and then send relevant push notifications to these audiences

Demo

Q&A

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