Social mobile and web app with authentication

This mobile client app offers social image sharing with a companion web app. The app back-end does background image processing using an Azure Function, and can notify users via a Notification Hub. Non-image data is stored in CosmosDB. The web app accesses the back-end data and images via Traffic Manager.

The mobile client app works in offline mode, allowing you to view and upload images even when you don’t have a network connection.

1. Create the app using Visual Studio and Xamarin.
2. Add the Azure App Service Mobile Apps back-end to the app solution.
3. Implement authentication through social identity providers.
5. Store uploaded images in Azure Blob Storage.
6. Queue messages about newly uploaded images.
7. Use Azure Functions to dequeue messages and process images retrieved from blob storage.
8. Send push notifications to users through a Notification Hub.
9. Build and test the app through Visual Studio App Center and publish it.
10. Control the distribution of user traffic to service endpoints in different datacenters.
11. Use Application Insights to monitor the App Service.

Products

- Visual Studio
- Visual Studio Team Services
- Visual Studio App Center
- Application Insights
- App Service
- Redis Cache
- Blob Storage
- Functions
- Traffic Manager

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