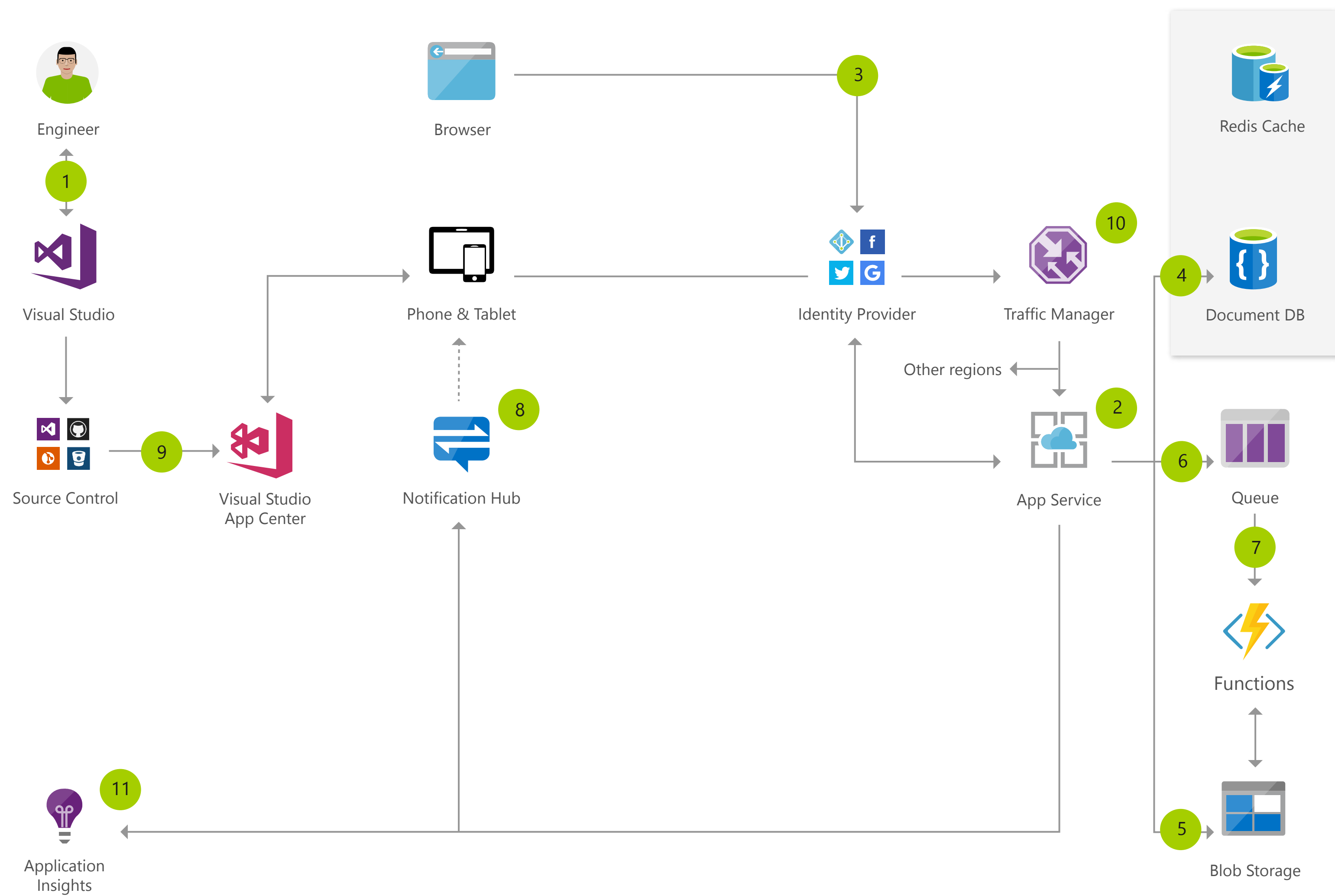


Social mobile and web app with authentication



Architecture overview

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.
- 4 Store non-image data in CosmosDB and cache it in Redis Cache.
- 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

