Combining mobile, web, Salesforce and back office data
Integrate valuable data with apps and Salesforce

Architecture Overview
Enabling data flows between mobile & web applications, Salesforce and other data platforms, is often critical in delivering useful and scalable applications. This architecture demonstrates how to enrich data gathered across web & mobile apps with Salesforce and back office data, and how to pipe subsets of that data back in Salesforce.

1. **Heroku Application**
The Heroku applications provide a completely bespoke web experience (for example in Node.js or PHP), as well as a Java or Rails API backend for the mobile application.

2. **Worker Dynos**
Worker dynos in the Heroku application periodically access a Mulesoft integration to extract data from your legacy store.

3. **Heroku Postgres**
All the Heroku applications use data from a shared Heroku Postgres database.

4. **Heroku Connect**
Heroku Connect provides an automated integration that creates a bi-directional sync between Heroku Postgres database tables, and particular Salesforce objects. In this architecture, we sync just those objects that provide our Heroku app with enough data to correlate the users and the legacy data.

Discover Salesforce Platform reference architectures at [salesforce.com/architecture](http://salesforce.com/architecture) or join the Trailblazer Community at [sfdc.co/platform_community](http://sfdc.co/platform_community).
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5 Salesforce Data
Some of these data we sync back to Salesforce. By adding data to a field in the synced Heroku Postgres data, we will ensure the data gets placed into a mapped field in the Salesforce object.

6 External Objects
There is a subset of the data we don’t want imported into Salesforce, but still want visible in customer views. This is done using external objects, which allow access to data from Salesforce.

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