

AeroGear Overview

Open Source Libraries for Mobile Connectivity

AeroGear is a set of libraries that help enterprise application developers bring their applications to the mobile world. Whether you need help with mobile web, hybrid or native applications, AeroGear has a library for you to help with tasks like data persistence, local in-app data management and authentication and authorization.

Mobile Web / Hybrid

When building mobile web apps, it is important to have lightweight, performant code that gives a great experience to your users no matter what device they might be using. That is where AeroGear.js comes in. Throw in Apache Cordova and now you can take that same mobile web app to the device as a native application and gain access to device APIs you may not have access to on the web. This library provides features like:

- Simple REST based persistence API built on top of jQuery.ajax
- Unified local data management API leveraging in memory, session and local storage
- REST based authentication model with AeroGear Security integration

Native Applications

To take your app to the next level and gain access to more restricted APIs, you may want to go native. AeroGear has you covered there as well! Whether you're developing an iOS or an Android app, by using AeroGear you'll have the easy to use APIs specific to the native environment you're working in. These libraries currently feature similar features to the JavaScript library such as:

Android

- Easy to use abstractions to underlying transports such as content stores, http connections, etc.
- API for managing local caches of data to handle both in memory stores or Android's SQLite based storage
- A framework for providing authentication and authorization services

iOS

- Simple REST based persistence API built on top of AFNetworking
- Unified local data management API leveraging in memory and PList
- REST based authentication model with AeroGear Security integration

The Future

We have a lot of useful new features planned for the not-so-distant future including things like offline access and authentication, data synchronization, a unified push API and much more. Some things we have planned are so cool we can't even tell you about them yet. So come check us out and be sure to keep an eye on our progress.

Project Website - aerogear.org

Project Source - github.com/aerogear