

Intro to the ArcGIS Geotrigger Service



What could your app do if it knew where it was?



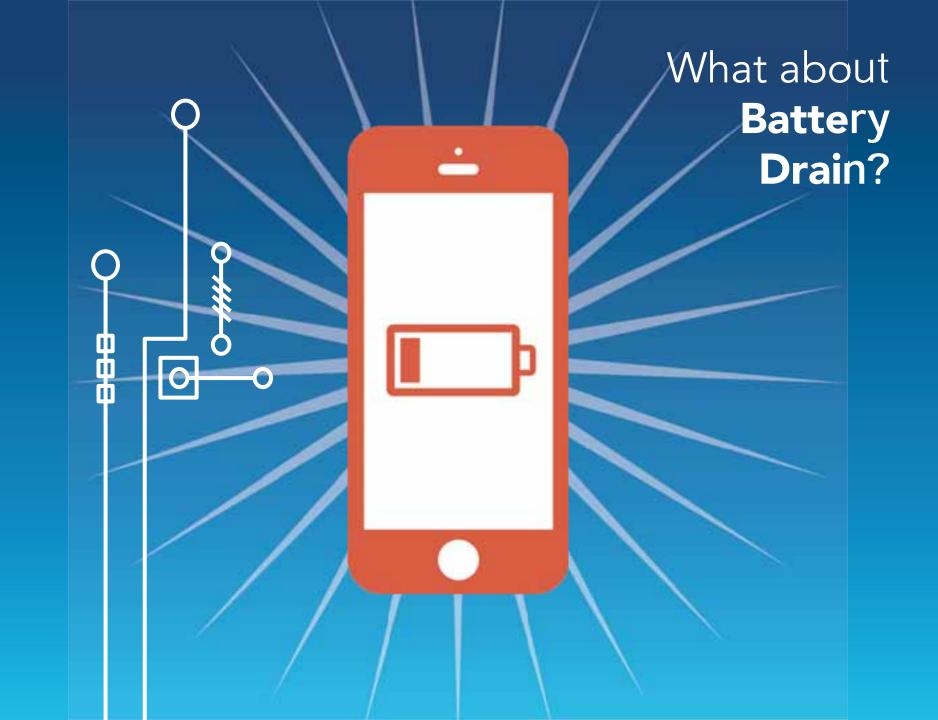


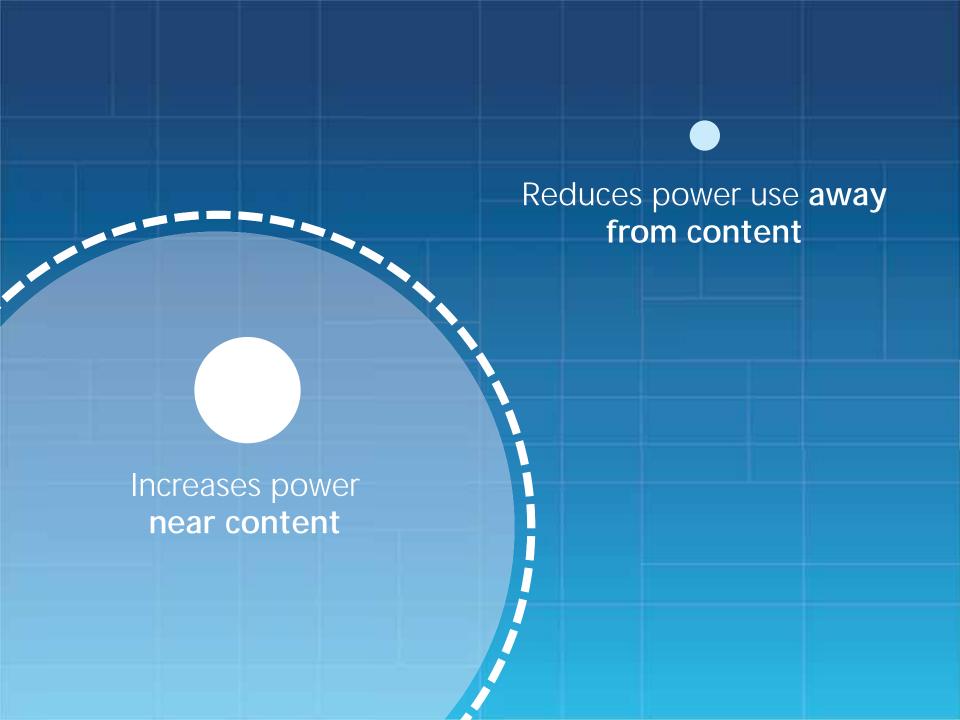




Use Cases







Home Automation

When you get home, your lights turn on!

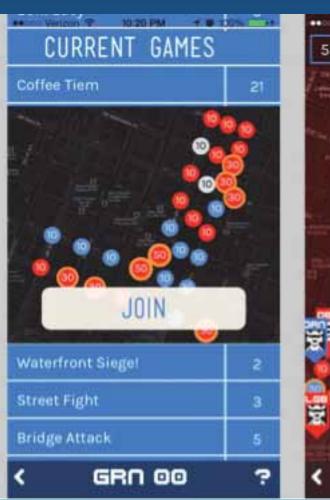
When you leave the house, your lights turn off!





Real-time location-based gaming



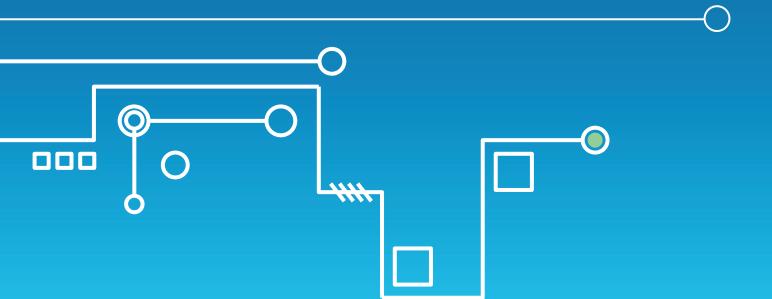




http://pdx.esri.com/

Geotrigger Technology

- Mobile SDKs
- Web APIs
- Battery Management
- Tracking Profiles

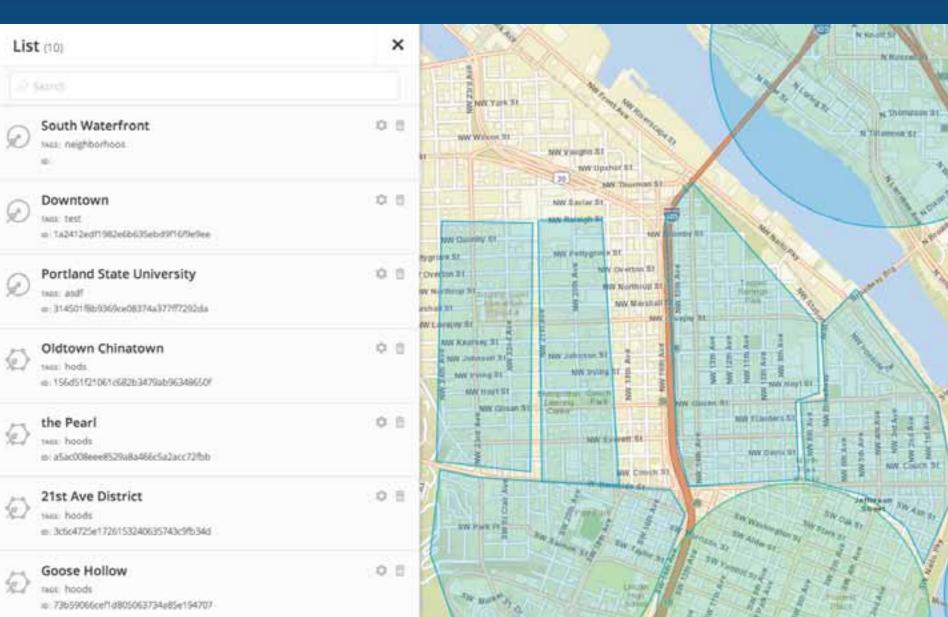


Geotrigger Components

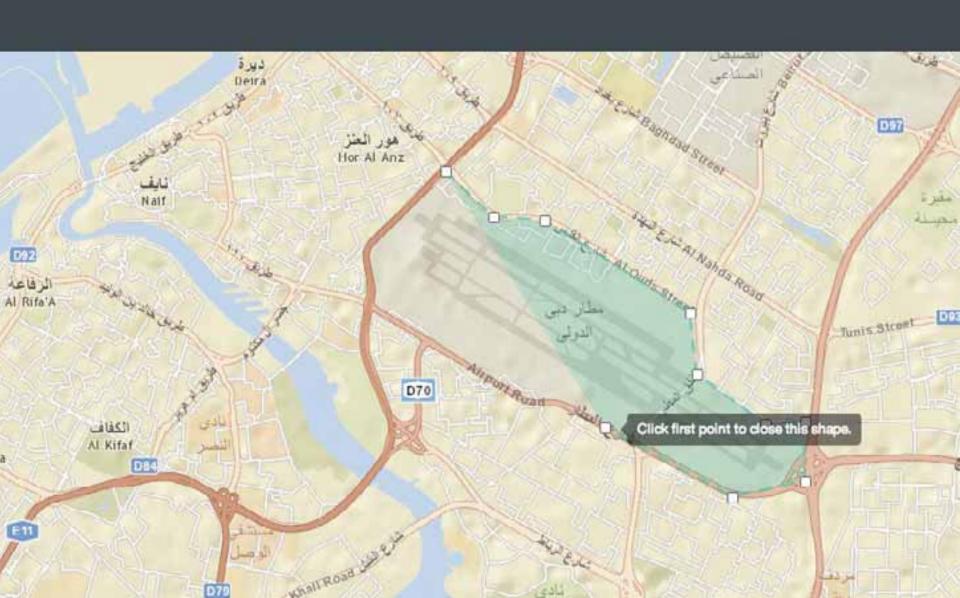
- Condition (area) Polygon
- Action (can be a message or a callback URL)
- Tags (to group content)
 - -Example: Wikipedia article data
 - -Tags for Buildings, History
 - -Can allow users to subscribe to a subset of the data



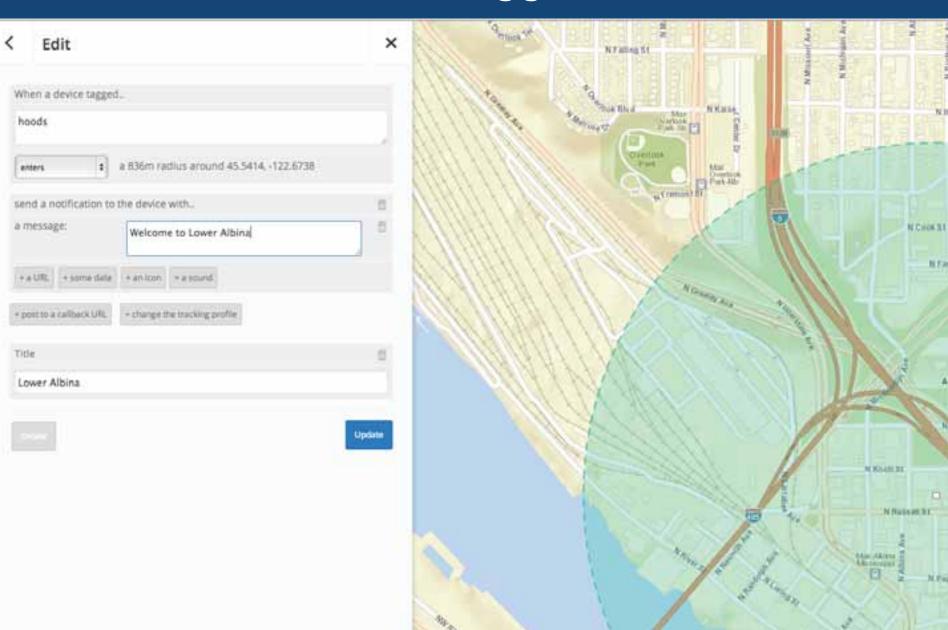
Polygon Geotriggers



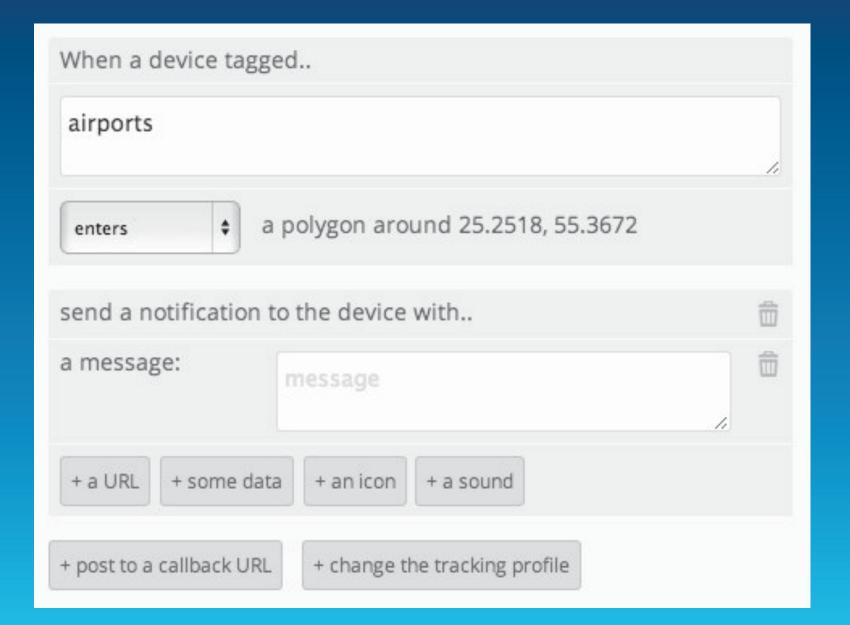
Visual Geotrigger Editor



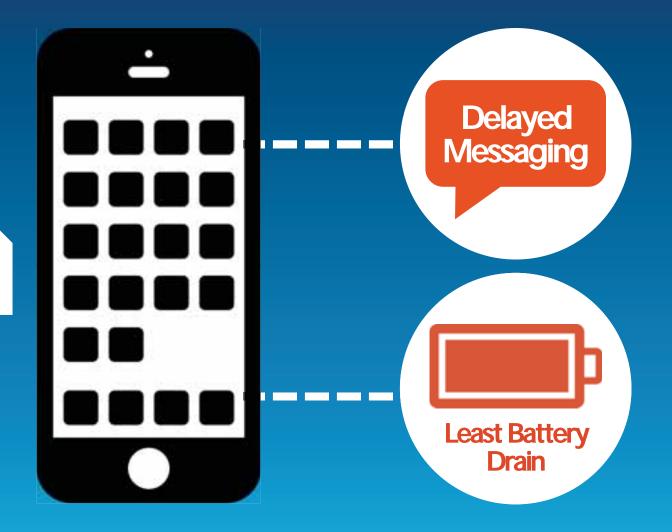
Visual Geotrigger Editor



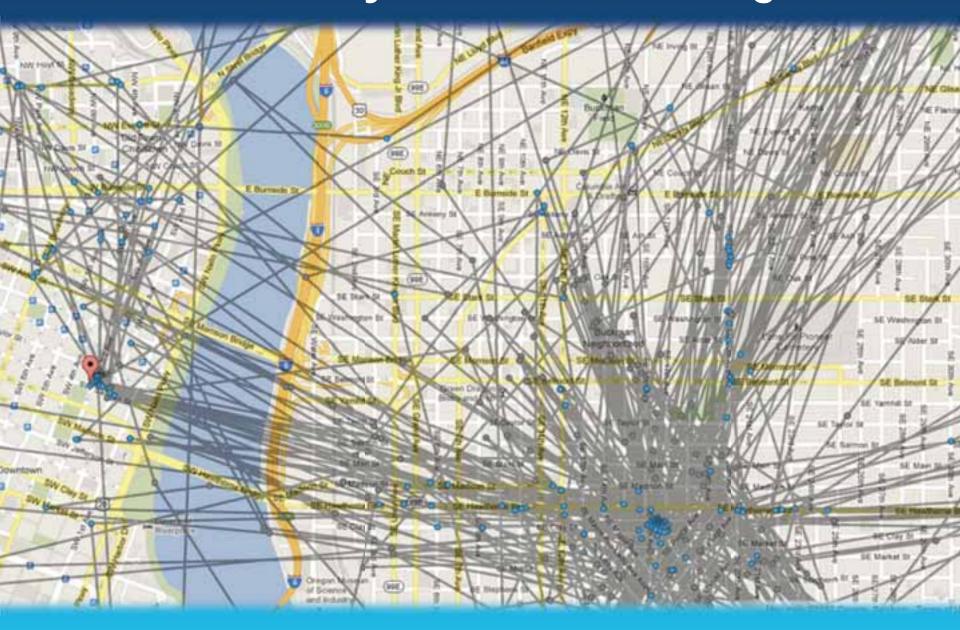
Visual Geotrigger Editor



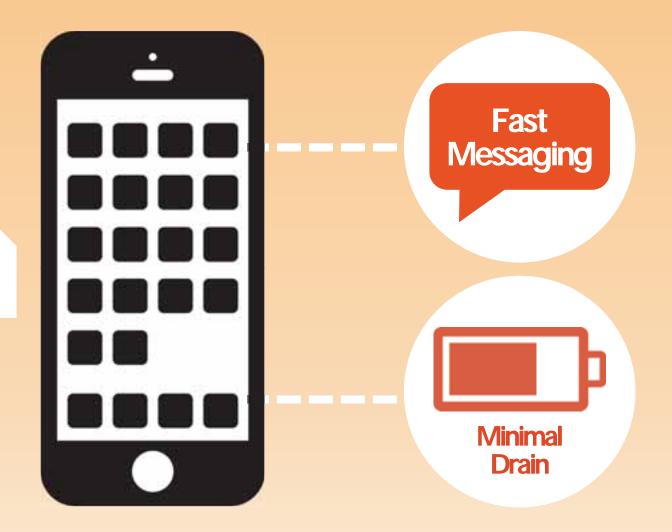
Rough Mode



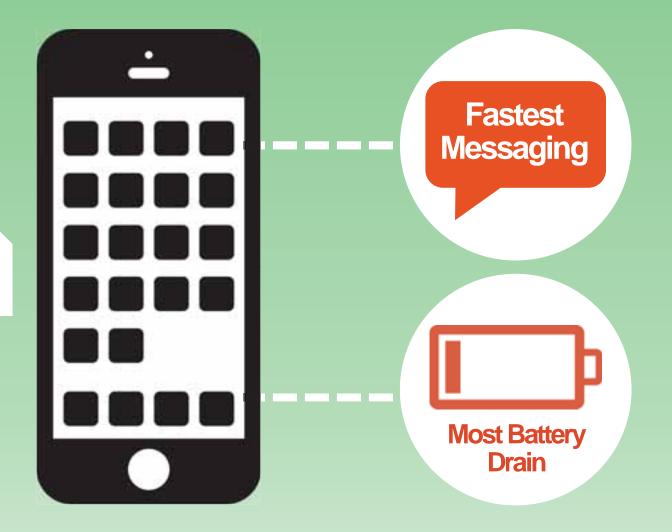
Data collected by one device in rough mode

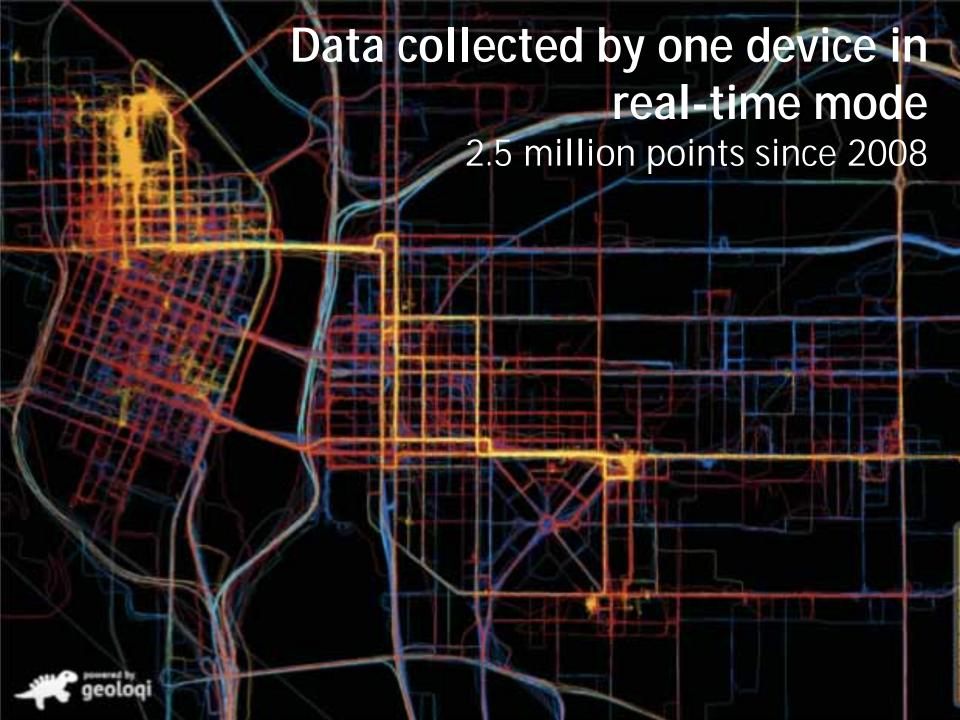


Adaptive Mode



Fine Mode







March 2011: iPhone 3GS, 4



Nov 2013: iPhone 4s, 5, 5S



Mobile App Privacy

We can do better than this:



Consolidate and simplify settings and permissions





Geonotifications



Receive a push notification each time you enter a location with a Geotrigger alert.

About Esri

E-mail Us

Privacy Policy

Contest Rules



Present privacy controls at the point of content creation.

- Instagram, Facebook, Foursquare do this well.
- Expose privacy controls
 with every piece of content
 that can be created or
 shared in a given system.



Location should be just one part of your app

 AMP Energy Drink app was a game first, and used location to enhance the experience

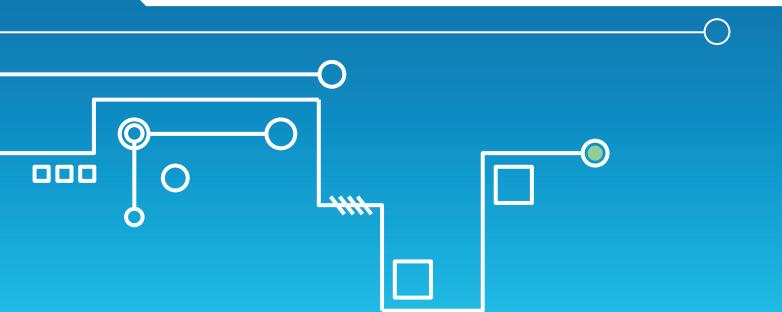
No one is perfect

- Hosting user data is a privilege, not a right.
- Apologize immediately when you screw up, and fix the problem immediately.
- Always give users something in return for giving up their data.



Geotrigger SDKs and API Available tomorrow!

developers.arcgis.com



ArcGIS for Developers

PLATFORM

FEATURES

PLANS .

DOCUMENTATION

SUPPORT





ArcGIS Geotrigger Service

Home

Guide

API Reference

Android Reference

IOS Reference

Geotrigger Service

The Geotrigger Service is a cloudhosted geofencing platform. Send push notifications or notify a remote server when a device enters, dwells or exits a specific geographic area.

The service automatically manages a device's battery life while using location services, so your users can run the app all day without significant battery drain.

CORF CONCEPTS



IOS Geotrigger SDK

The iOS Geotrigger SDK is a wrapper around iOS's native location services that helps preserve battery life and uploads device location to the Geotrigger API.

OETISTARTED:

DOWNLOAD 5DK



Android Geotrigger SDK

The Android Geotrigger SDK provides is a wrapper around Android's native location services that helps preserve battery life and uploads device location to the Geotrigger APL.

GET-STARTED

SAMPLE APP

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Thank you!

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