Power consumption for iOS

Abstract
The shift from traditional software development for personal computers to mobile applications on iOS comes with new challenges and considerations. Software development teams similar to my work group built expertise in delivering quality products for the Mac OS platform. Although the core development and testing processes largely remain the same on iOS devices (iPhones and iPads), a major concern is around an application’s power consumption. The engineering challenge is to build innovative applications that do not drain the battery too quickly. Power consumption testing on iOS is an important area to validate and optimize to deliver quality applications to mobile customers. As a developing space, there is limited information available on testing for battery. However, given that all application activities consume CPU cycles, developers should strive to optimize CPU usage over file I/O and network operations to reduce an application’s power consumption on iOS devices.

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Unexpected battery draining? Follow along to improve iOS 12 battery life on your iPhone and iPad by taking the usual suspects to the task. Though I can't rule out the possibility of a bug playing the villainous role, power-hungry features might be eating into the large share of the battery. Let’s nab them all! Luckily, it’s a lot easier to view the power consumption pattern now than ever before! Settings → Battery. Simple Yet Effective Tips. If your iPhone, iPod touch, or iPad is losing battery life faster than normal, it could be the result of an app or service using more power than it ought to be. Tap on Last 7 Days to get a broader look at power consumption over time.

Checking battery usage in iOS 12.
Checking battery usage in iOS 12 works the same way that it has for years now, but there are some changes of which you should be aware, such as the new battery readout. Open Settings on your iPhone or iPad. Tap Battery. You might need to wait for battery usage to populate. Tap Show Activity to see how much time an app has been working. You'll get a breakdown of “on screen” vs. “background” activity. Tap Battery Usage to go back to a breakdown of usage by perce...