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Managing Network Usage

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This lesson teaches you to

› Check a Device's Network Connection
› Manage Network Usage
› Implement a Preferences Activity
› Respond to Preference Changes
› Detect Connection Changes

You should also read

› Optimizing Battery Life
› Transferring Data Without Draining the Battery
› Web Apps Overview

Try it out

DOWNLOAD THE SAMPLE

NetworkUsage.zip

This lesson describes how to write applications that have fine-grained control over their usage of network resources. If your application performs a lot of network operations, you should provide user settings that allow users to control your app's data habits, such as how often your app syncs data, whether to perform uploads/downloads only when on Wi-Fi, whether to use data while roaming, and so on. With these controls available to them, users are much less likely to disable your app's access to background data when they approach their limits, because they can instead precisely control how much data your app uses.

For general guidelines on how to write apps that minimize the battery life impact of downloads and network connections, see Optimizing Battery Life and Transferring Data Without Draining the Battery.

⌄ Check a Device's Network Connection

⌄ Manage Network Usage

⌄ Implement a Preferences Activity

⌄ Respond to Preference Changes

⌄ Detect Connection Changes

Next: Parsing XML Data ›

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