

# Updater Aware Composite UI (CAB) Application

Reference Guide

November 2006



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### 1 Description

This application illustrates the possible interaction between the Updater Application Block and a Composite UI (CAB) application.

The sample is composed of a very simple application generated using the standard template included in the p&p Mobile Client Software Factory. There is a main dialog and the “About” dialog.

### 2 Implementation Details

- The RootWorkItemController class is responsible for creating the NotifierClient instance, listening for updates notifications.
- A class named UpdaterEventAdapter was created using the adapter design pattern. This class publishes two events through the CAB event broker, corresponding to UpdatesAvailable and UpdateInProgress. This class also intercepts both original UpdatesAvailable and UpdateInProgress events from the NotifierClient and rises its own events.
- The RootWorkItemController has in its Item collection the instance of the UpdaterEventAdapter.
- Finally, any component can subscribe to the published event in the event broker. In this case this job is done in the RootWorkItemController itself.
- Finally, the event handler responds to the event rising a message box and asking the user about the download process.