

# CompTracker - Conduit Development

## Customer Requirement

The client needs to synchronize application data between CompTracker (running on PDA's) and centralized application database using Web Services. When a PDA device is connected to a computer on which the conduit is running, the conduit needs to collect the data from the PDA device and makes a web service call to the server. The server sends back the updates to the conduit, which updates the PDA device.

## Solution Provided

- Creation of a conduit that synchronizes the data from the CompTracker Palm application during a HotSync operation with a PC securely over a Internet connection to a central database.
- Creation of a web service that directly interfaces the conduit to the StudentLogBook.com database.
- Creation of a conduit that checks for updates to the Palm OS based CompTracker application and installs the update to the handheld.
- The conduit will support passing errors given by the web service up to the user in a user readable form and give further instructions if possible on how to rectify the problem or as another option, the support contact information.
- Java as the development language used to create the conduit.
- Eclipse 3.0 as the development tool to create the web service.

## Organization

IT Vendor

## Industry Sector

IT

## Scope

Data Synchronization.

## Environment

Conduit Development Kit (CDK)  
Java/J2EE, Webservice

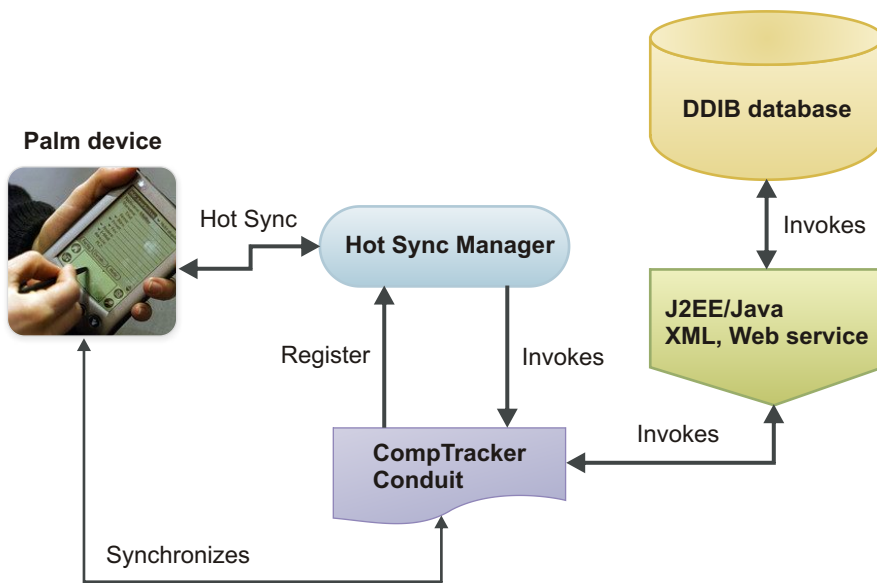
## Development Tools

Eclipse 3.0

## Engagement Model

Offshore model

## Architecture



## Benefits to the Client

- The web service supports bi-directional data transfer.
- All the data sent over the Internet connection to the web service conduit is encrypted
- Supports wireless data synchronization when wireless access is enabled and connectivity is established with the PC where the conduit is running.

## For More Information

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