



Introduction to PalmSource Installer

September 2004

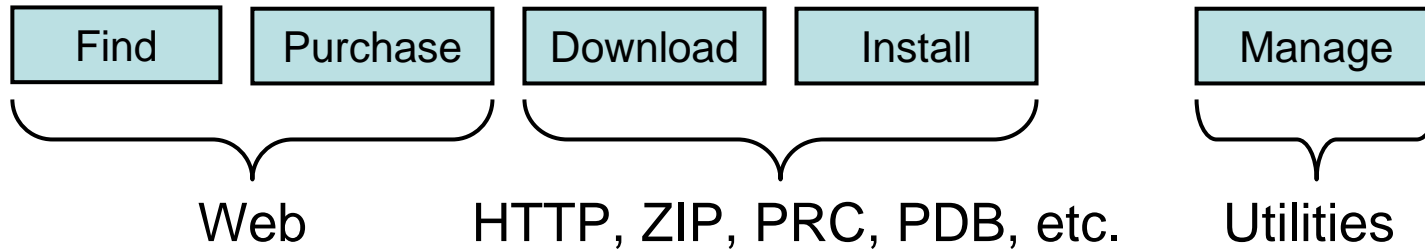


POWERED

PalmSource Installer

- **New solution for distributing mobile applications and software**
- **Enabling technology for over-the-air install to wireless devices and via desktop**
- **Simplifies the process of downloading and installing software applications**
- **A platform solution that will accelerate growth in the Palm OS ecosystem**

the Purchasing Experience



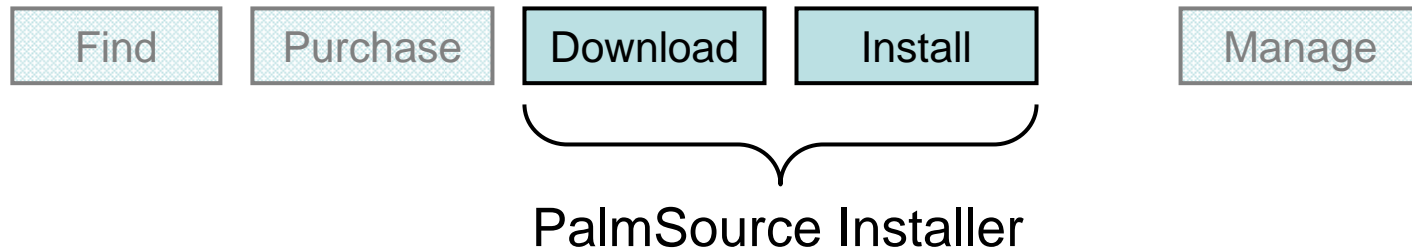
Find & Purchase – satisfied by today's Web technologies

Manage – Utilities already available in Palm OS
(info, delete, copy, etc.)

PROBLEM – Download & Install

- Web interfaces are poorly suited for sophisticated Palm OS and desktop applications
- multi-file solutions too difficult for most users
- no standard file format for device + desktop files

Goals for PalmSource Installer



- **Focus on Download and Install**
- **Embrace Simplicity**
- **Support Current Applications and Servers**
- **Agnostic to Delivery Method & Transport**
- **Increase Efficiency for OTA Downloads**
- **Create a Platform-wide Standard**

Key Benefits to Developers

- **Standardization of packaging format**
 - Apps, databases, desktop installers and conduits
- **Lower support costs**
 - No more “Which files should I install for my device?”
- **No cost solution**
 - Available from PalmSource Developer Zone
- **Available as add-on today and in ROM tomorrow**
 - Destined to be pervasive
- **Can be used for freeware or commercial apps**
 - No special server software required

Key Benefits to Users

- **Instant access to applications**
 - One click to download and install applications
- **Faster download times**
 - Optimized file selection and file compression for efficient transfers
- **Consistent user experience across distribution channels**
 - Same system for wireless device, PC or install via media card
- **Elimination of adoption hurdles**
 - One file format for multiple languages & multiple device types
 - Users need not specify OS version, screen size, desired language
- **Flexible solution for consumer & enterprise**
 - New format supports all types of solutions, from simple to the most complex

Feature Set Overview

- New file type, the PalmSource Installer package (.PSI)
- Supports Device and Desktop Components
- Multiple Files (Device & Desktop) in One Package
- Efficient, Industry Standard Compression / Decompression
- Creates Optimized Packages for OTA Download
- Optimizes Packages Dependent on Device Capabilities
- Supports Intelligent Installation of Apps for Multiple Languages and Screen Sizes
- Creates Full Packages for Desktop Installations
- Desktop Installations Supports Install to RAM or Card
- Support for OS 4.x, Palm OS Garnet (5.x), Palm OS Cobalt (6.x)
- Support for Palm Desktop & HotSync Manager 4.0 and newer

Three Main Components

1. Palm OS Package Builder

- Developer Tool for creating download packages

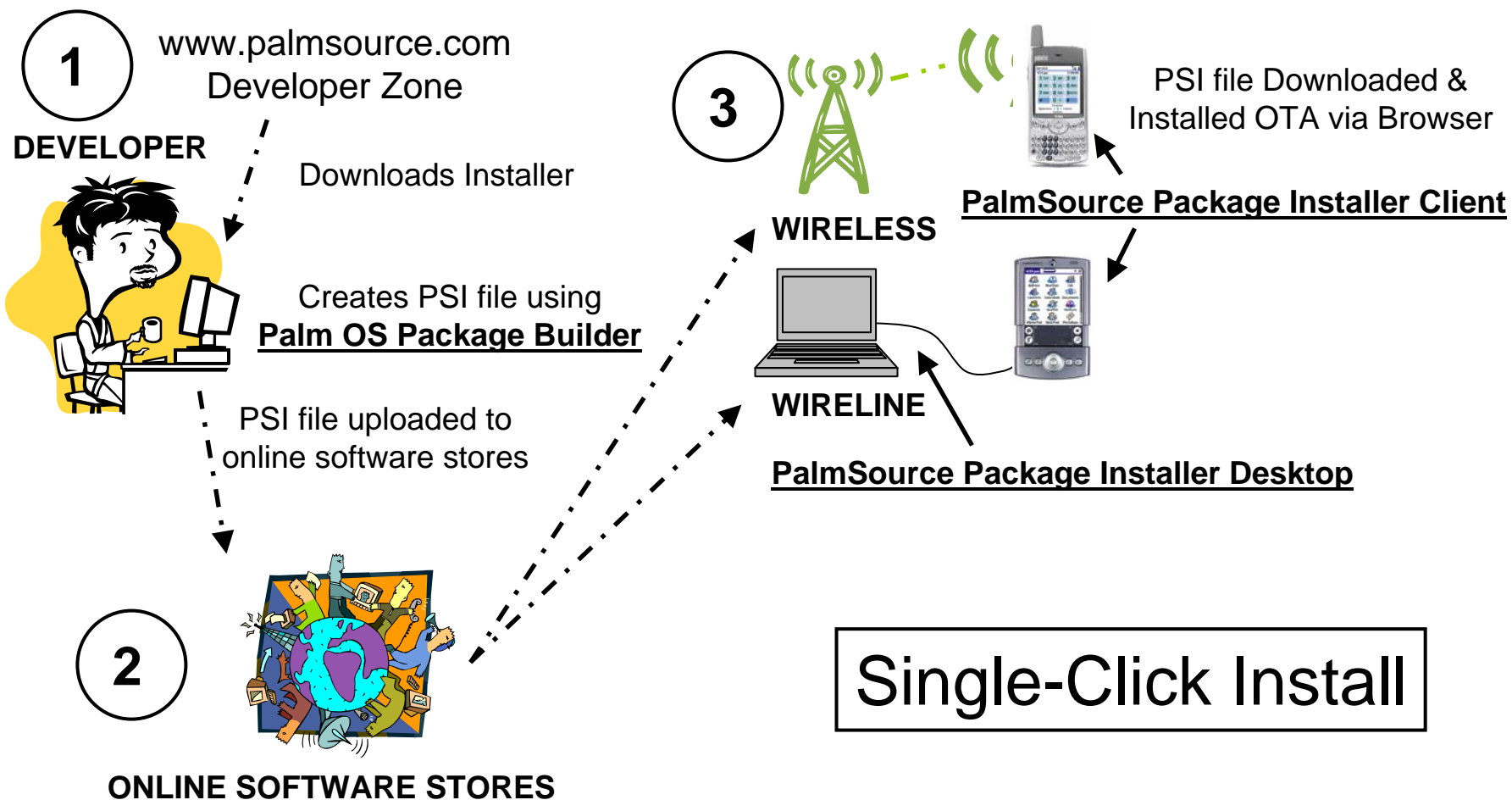
2. PalmSource Package Installer Client

- On device agent for decompression, installation, system capabilities detection

3. PalmSource Package Installer Desktop

- HotSync conduit for downloading via desktop, unpacking & staging of applications for installing software to device and to the desktop

PalmSource Installer: How It Works



Delivery

- **Available As Separate Utility Now**
 - (no charge)
- **Package Builder to be included with Palm OS Developer Suite 1.1**
- **Retailers & Carriers to freely distribute Package Installer for Immediate Use with Installed Base**
- **Package Installer Client and Desktop required with future devices by Licensees**



Supporting Slides

PalmSource Installer



A Step by Step Example using PalmSource Installer to Download a Robust Palm OS Solution Over-The-Air

1. **Developer creates Palm OS application, including any desktop components, documentation, etc.**
2. **Developer uses Package Builder to create PalmSource Packages (PSI files) for download**
3. **Packages Staged on the Web store or Web server**
 - Wireless pages for OTA selection of applications
 - Standard web pages for download via PC
4. **Using a Palm Powered wireless device, end user browses Wireless Web Store**
5. **End User Selects Desired Software application by tapping on “Download Now” link**
6. **Package Installer intelligent agent on device determines device characteristics and transmits the appropriate information to the web server**
7. **Optimized software package downloaded user’s device**
8. **Package is decompressed and installed appropriately**
9. **Desktop request for additional files is queued for later execution**
10. **Application immediately available for use**
11. **User returns to their PC and initiates a HotSync operation**
12. **Desktop request previously queued is executed**
13. **Full package with PC components or documentation is requested via desktop’s Internet connection**
 - Can include support for multiple languages, multiple devices, desktop executable software, documentation, content, etc.
14. **At HotSync time, Package Installer desktop determines optimum files for device & desktop**
15. **User selects device name and desired memory location**
 - Can include software installed to card or main memory
16. **If any additional device files are necessary they are installed at this time**
17. **If any desktop software executables or content is necessary, they are installed at this time**
18. **Done – complete solution installed and running**