



Introduction to the ACCESS Linux Platform

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October, 2006

Why Mobile Linux Has Momentum

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1 Operator and Manufacturer Control

mix open source & proprietary components

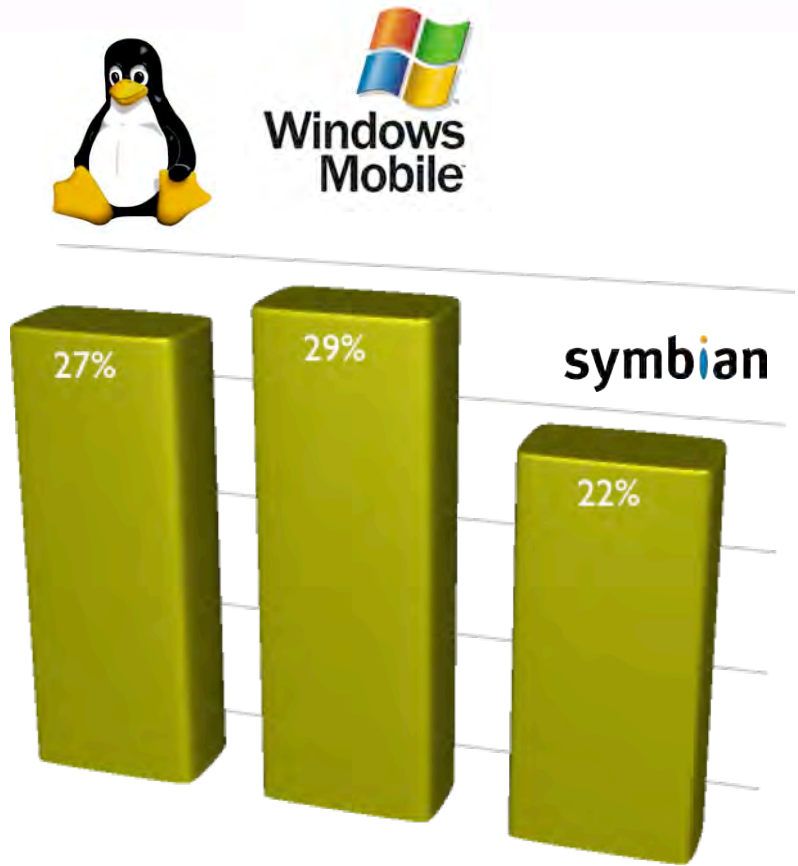
2 Modularity

size and suitability for a mobile phone

3 Community

ground swell of innovation

Major Smart Phone Platforms: 2010



Source: Diffusion Group 2006

Mobile platform requirements: device

Desktop



GHz

Gigabyte

AC

Large Screen

Keyboard & Mouse

Mobile Phone



MHz

Megabyte

Lithium-Ion

Small Screen

5 Way & Touch

Mobile platform requirements: ecosystem

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Operators/Carriers



**Handset
Manufacturers**



End Users

End User Mobile Phone Usage

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Tasks based on short term activity

Frequent interruptions

Occasional use of longer tasks

Making Linux Mobile

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1 Commercializing Open Source

2 Enhancing Open Source for the Phone

3 Creating New Components

Commercializing Open Source

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1 Evaluate and Select

small, portable components that run well on ARM

2 Optimize

small screen, lower power, battery operation, five way, touch

3 Integration

open source and proprietary co-existence, commercial grade

Optimizing Open Source

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1 User Interface Widgets

small screen layout, five way navigation, touch screen

2 Themes

appropriate theme elements for brand awareness

3 Drawing to Screen

faster mapping & output path for low power processor

Creating New Components

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1

Telephony

2G and 3G voice and data

2

Mobile Messaging

SMS, MMS, instant messaging, mobile email

3

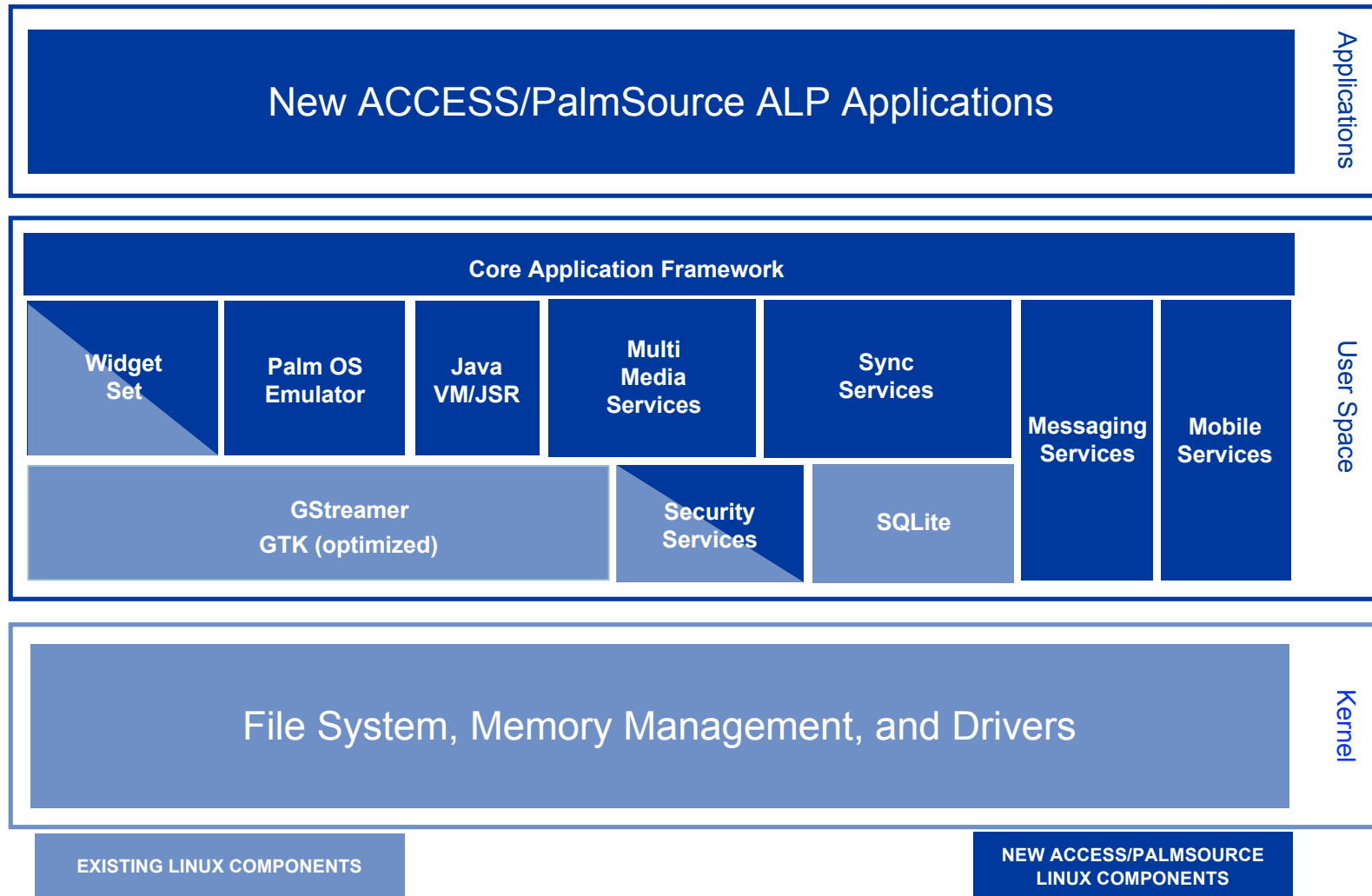
Mobile Application Services

install, launch, suspend, information exchange

ACCESS Linux Platform (ALP)

a complete commercial grade linux mobile device platform

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SDK Tools

Access Linux Platform

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1 Scalable for multiple phone segments

2 Easily tuned to licensee hardware

3 Complete time to revenue solution

Applications

1 Plug-able

easily extend new technologies

2 Adaptable

hardware agnostic

3 Efficient

manage change and tuning

Technologies

ALP Applications

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Communications Suite



Browser
Telephony
Email
Messaging

Entertainment Suite



Music Player
Video Player
Photo Gallery
Photo Studio

Productivity Suite



Contacts
Calendar
Tasks
Synchronization

Three Application Environments

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ALP

Solid Linu



pplication

Palm OS



POWERED

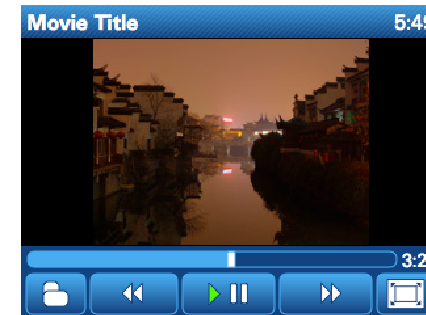
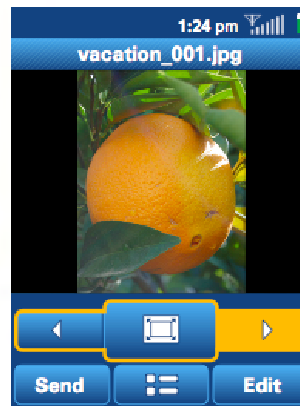
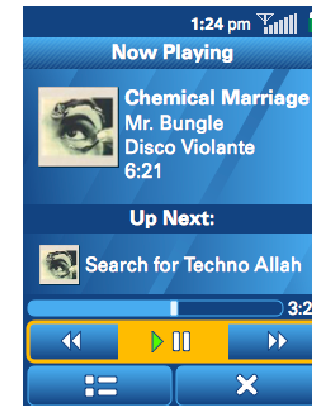
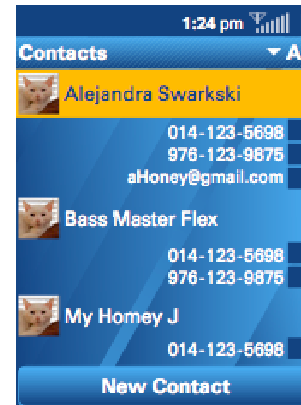
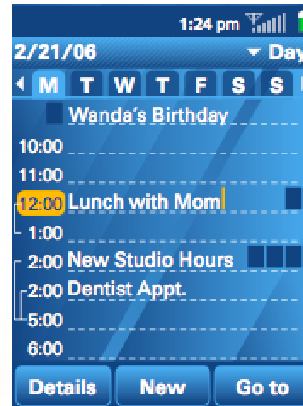
Java



Simple Mobile Experience

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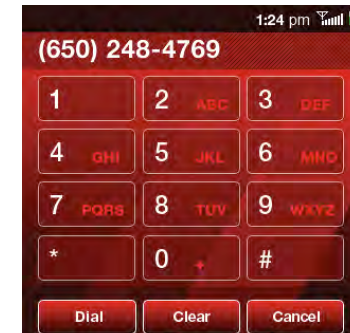
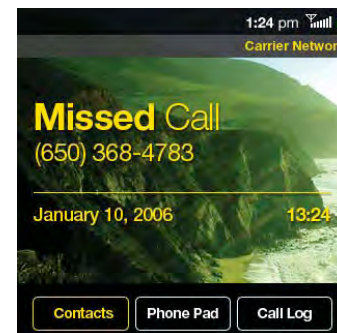
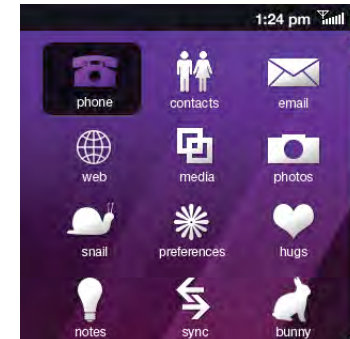
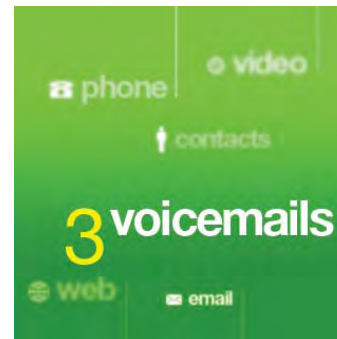
Mobile Experience Themes

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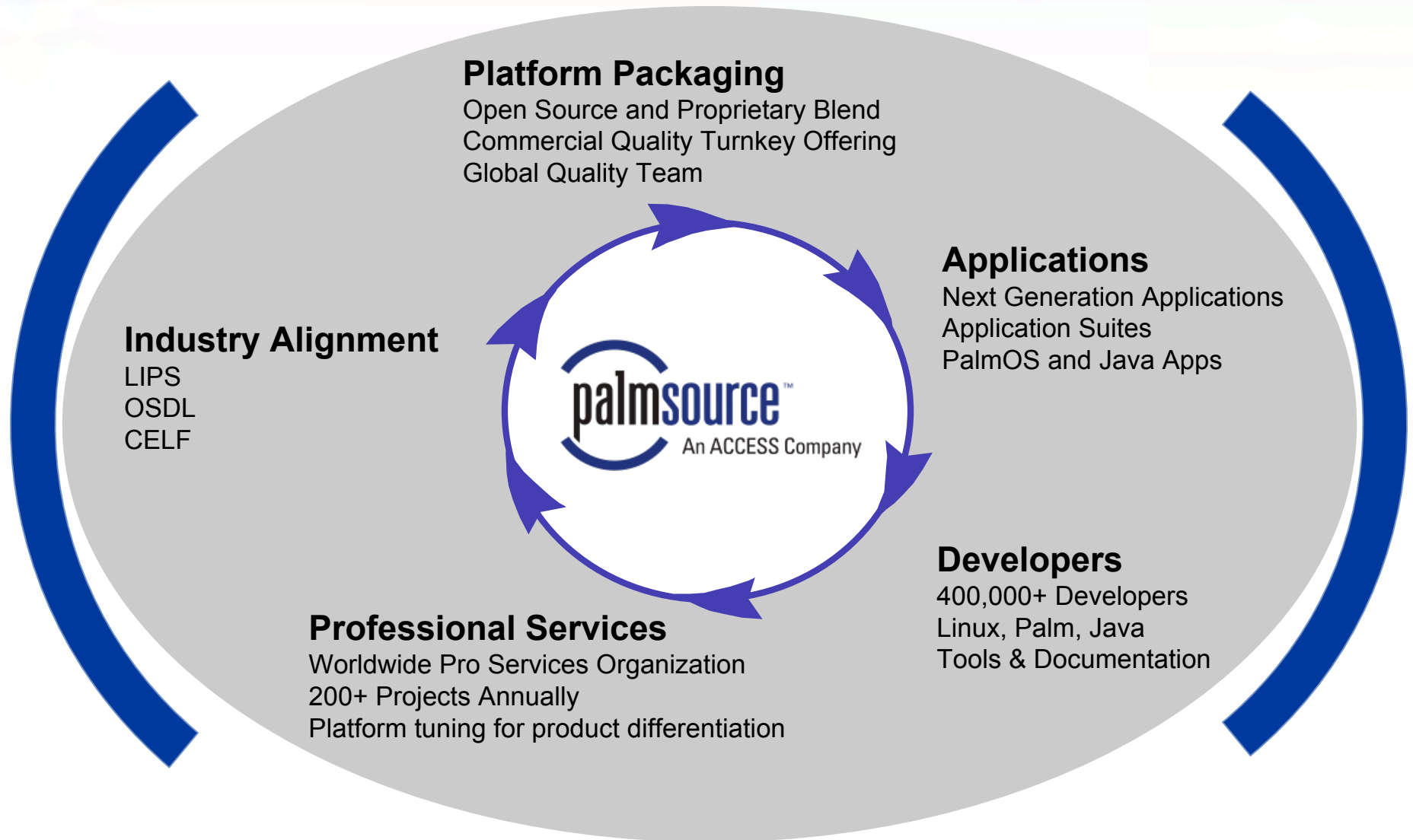
ALP UX



UX Theme Service

The Mobile Linux EcoSystem

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Thanks!

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