

Mobile JavaServer Faces

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- Founder, JSF Central (<http://www.jsfcentral.com>)

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 - JavaOne, JavaZone, Devovx, NFJS, TSSJS, etc.

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 - JavaOne, JavaZone, Devvxx, NFJS, TSSJS, etc.
- JCP Member
 - JSF, WebBeans, JSF Portlet Bridge, Portlets

Mobility Options

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- Native

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- Native
- Web
 - Adaptive web design (AWD)
 - Responsive web design (RWD)
 - Progressive Enhancement (PE)

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- Hybrid

How JSF Enables Mobile

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- RenderKits

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- HTML5 Support

ICEfaces

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- Over 125 JSF components
 - Themes, "Automatic" Ajax, bean management, window scope, resource registry, etc.

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- Ajax Push
- Theming

ICEfaces

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- Basic tooling for Eclipse, NetBeans, and MyEclipse

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- Open source with commercial version available

ICEfaces mobile support

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- Web and hybrid support

ICEfaces mobile support

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- Native look and feel

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- HTML5/CSS3

ICEfaces mobile support

- Web and hybrid support
- Native look and feel
- HTML5/CSS3
- Supports iOS, Android, and Blackberry

ICEfaces mobile support

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- Mobile push

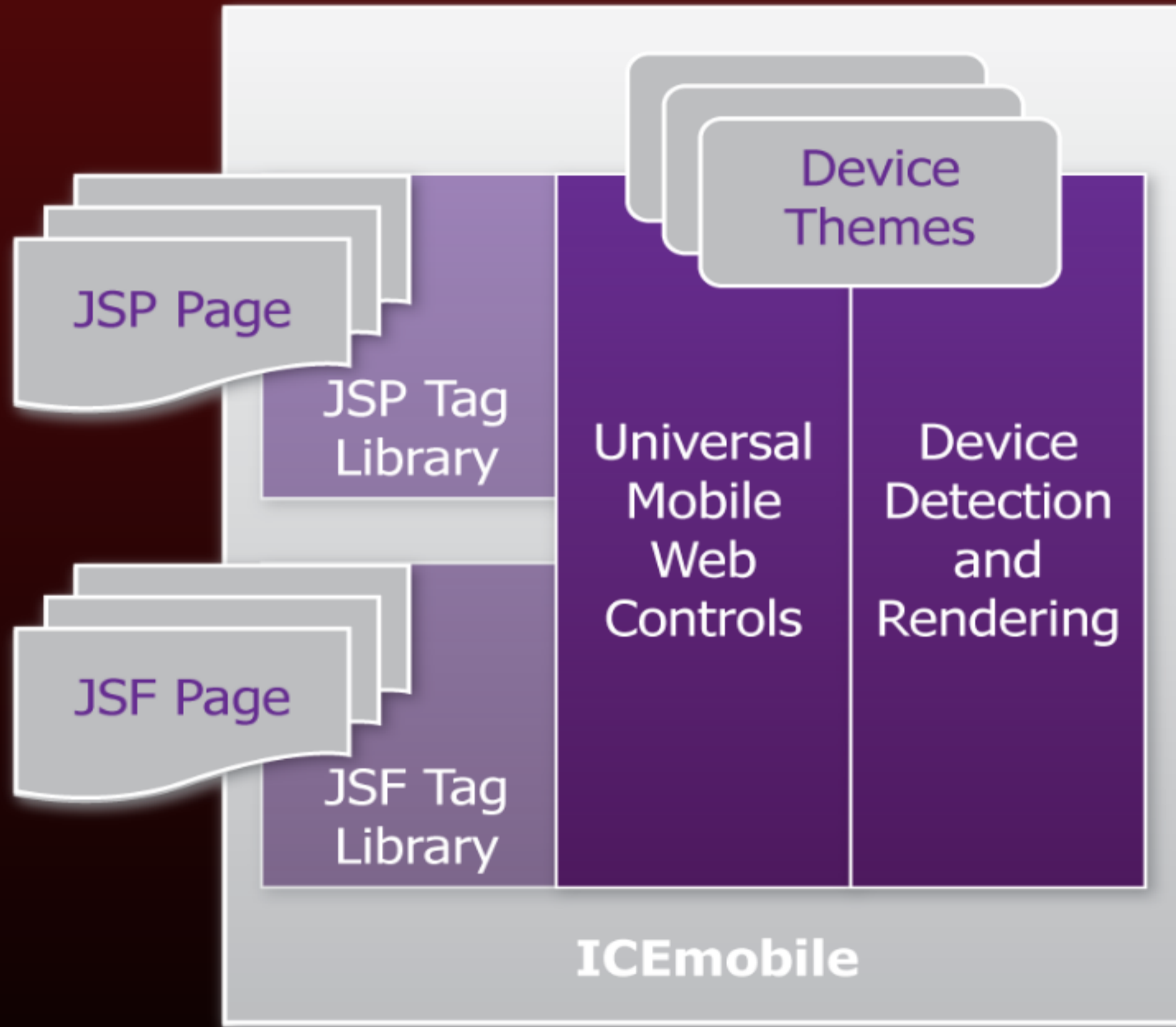
ICEfaces mobile support

- Mobile push
- Adaptive and responsive approaches

ICEfaces mobile support

- Mobile push
- Adaptive and responsive approaches
- ThemeRoller-based themes

ICEfaces mobile support



Device Independent UI Declaration → Device-optimized Markup

ICEfaces mobile support

DEMO

PrimeFaces

- Over 100 JSF components
 - JavaScript API, dialog framework, enhanced Ajax/JSON support, etc.

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- ThemeRoller-based

PrimeFaces

- Push support (based on Atmosphere)

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- JSF component market leader

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- Open source with commercial bug fix releases and commercial support

PrimeFaces Mobile

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- Built on top of jQuery mobile

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- Broad browser/device support

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- Progressive enhancement approach

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- **Mobile navigation**

PrimeFaces Mobile

DEMO

Just Released! LiferayFaces Alloy

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- JSF Components built on Liferay Alloy UI

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- Supports web and portlet environments
- Responsive navbar, layouts and some other components

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DEMO

Oracle's Mobile Solutions

Oracle's Mobile Solutions

- Application Development Framework (ADF) Faces Rich Client

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- Mobile Application Development Framework (MAF)

ADF Faces Rich Client

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- Over 150 JSF components
 - Skinning, JavaScript API, dialog framework, task flows, navigation, extensive data visualization components, etc.

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- Extensive tooling for JDeveloper and Eclipse

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- Used by Oracle for all of their business apps (PeopleSoft, E-Business Suite, Fusion Apps)

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- Included for free in Oracle ADF Essentials

ADF Faces Rich Client Mobile Features

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- Touch and gesture support

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- HTML5 support

ADF Faces Rich Client Mobile Features

- Touch and gesture support
- HTML5 support
- Adaptive approach
 - Use HTML5 instead of Flash for data visualization
 - Tables with scrollbars automatically render with pagination
 - Pages with stretching layout render using a flowing layout

ADF Faces Rich Client Mobile Features

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- Skyros skin which minimizes use of images

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- No native support

ADF Faces Rich Client Mobile Features

DEMO

Oracle Mobile Application Development Framework

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- Hybrid native/HTML5 apps

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- Programming model similar to JSF

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- Supports Android and iOS
- Tooling for Eclipse and JDeveloper

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- Support for Apache Cordova plugins

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- Offline access

Oracle Mobile Application Development Framework

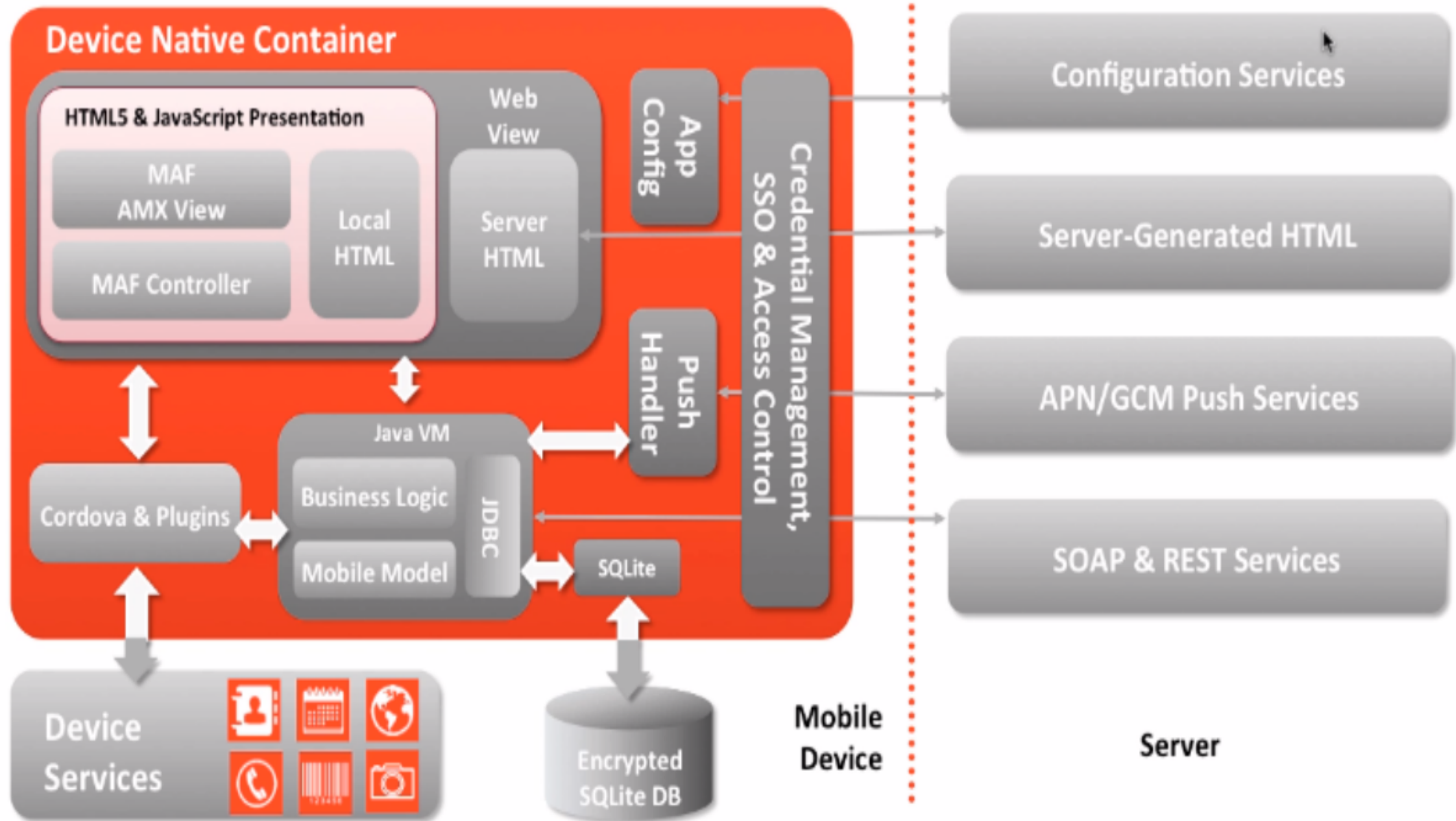
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- Embedded SQL Lite database

Oracle Mobile Application Development Framework

- 80 UI components
- Support for Apache Cordova plugins
- Offline access
- Embedded SQL Lite database
- Licensed per user or unlimited user

Oracle Mobile Application Development Framework

Mobile Application Framework Architecture



Oracle Mobile Application Development Framework

DEMO

Summary

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- JSF has mobile solutions today

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- Mobile solutions excel at "adaptive" approach

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- JSF has mobile solutions today
- Mobile solutions excel at "adaptive" approach
- More mobile support may be in JSF 2.3

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- ICEfaces - strong features for hybrid apps

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- PrimeFaces - quality set of pure HTML5 components, broad compatibility

Summary

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- ADF Faces Rich Client - basic mobile support

Summary

- ADF Faces Rich Client - basic mobile support
- Mobile Application Development Framework - unique approach for native JSF-like apps

Questions?