

Mobile Cloud Buzz Word Bingo



Mia Urman

miaurman@auraplayer.com

@miaurman

www.oracleformsinfo.com



Mia Urman

miaurman@auraplayer.com



ORACLE
ACE Director

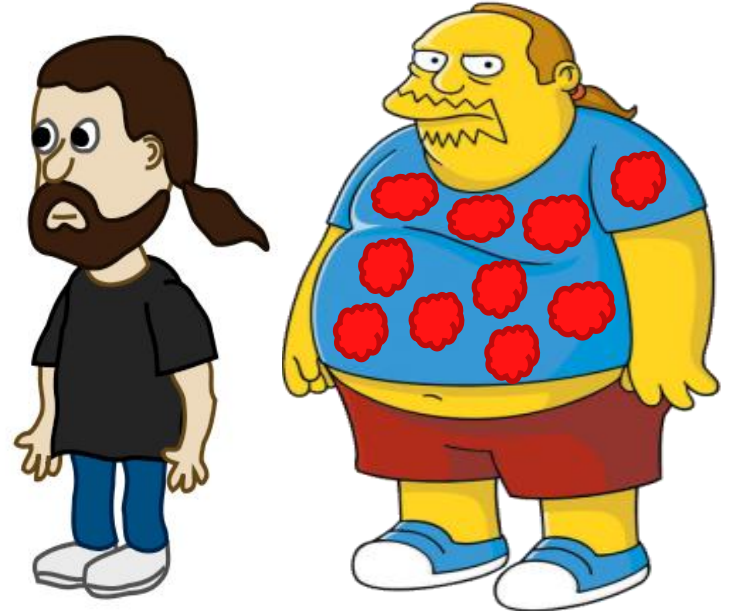


**Silver
Partner**

- > Oracle ACE Director & Development Geek for over 15 years.
- > 6 years at Oracle as a senior support analyst and local product manager of Forms and ADF.
- > CEO and Founder of AuraPlayer - Addressing Oracle Forms challenges upgrades /modernizations/mobility encountered at blue chip customers
- > Board member of ODTUG, Leader of the iIOUG Oracle Developer Group and presenter of Oracle tools at international conferences OOW, Kscope, UKOUG ...

About You

- > DBA? Forms Developers? Java Developers? APEX Developers?
- > Developing in mobile?
- > Begun to think about mobile strategy?
- > Using any Oracle cloud products?
- > How many devices did you bring with you today?



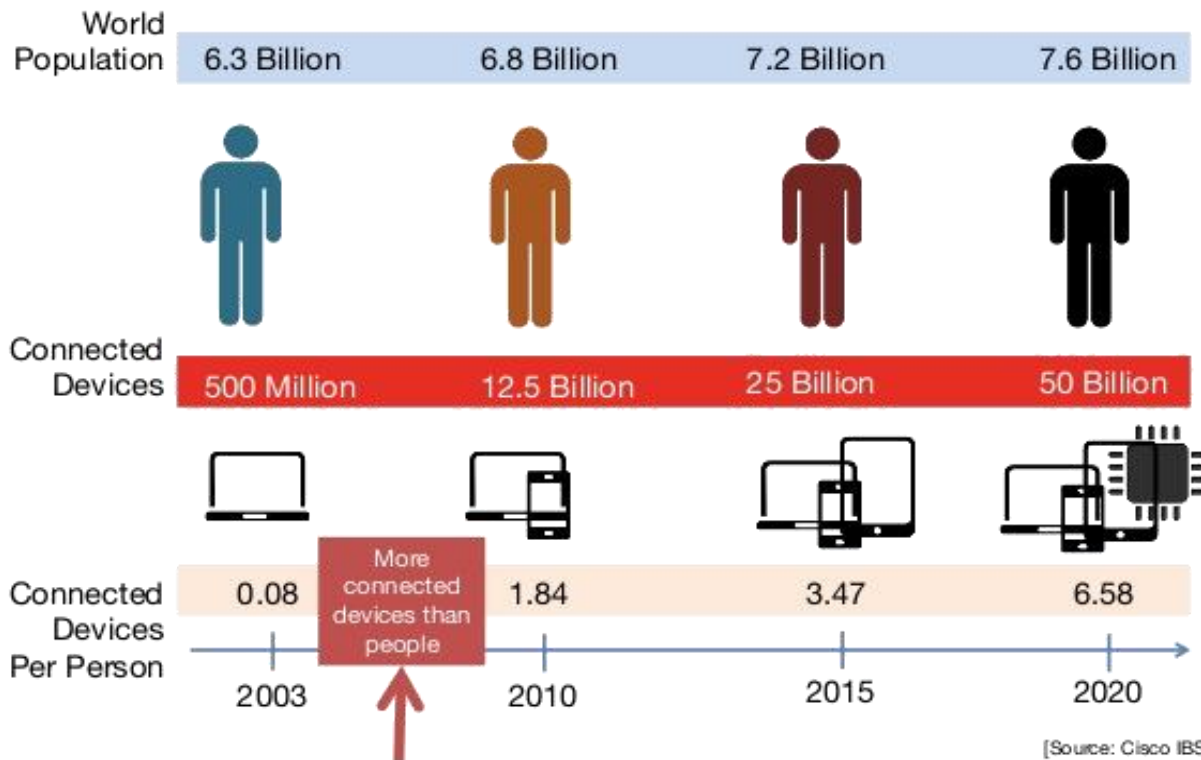
Mobile / Cloud

WHY ALL THE BUZZ?

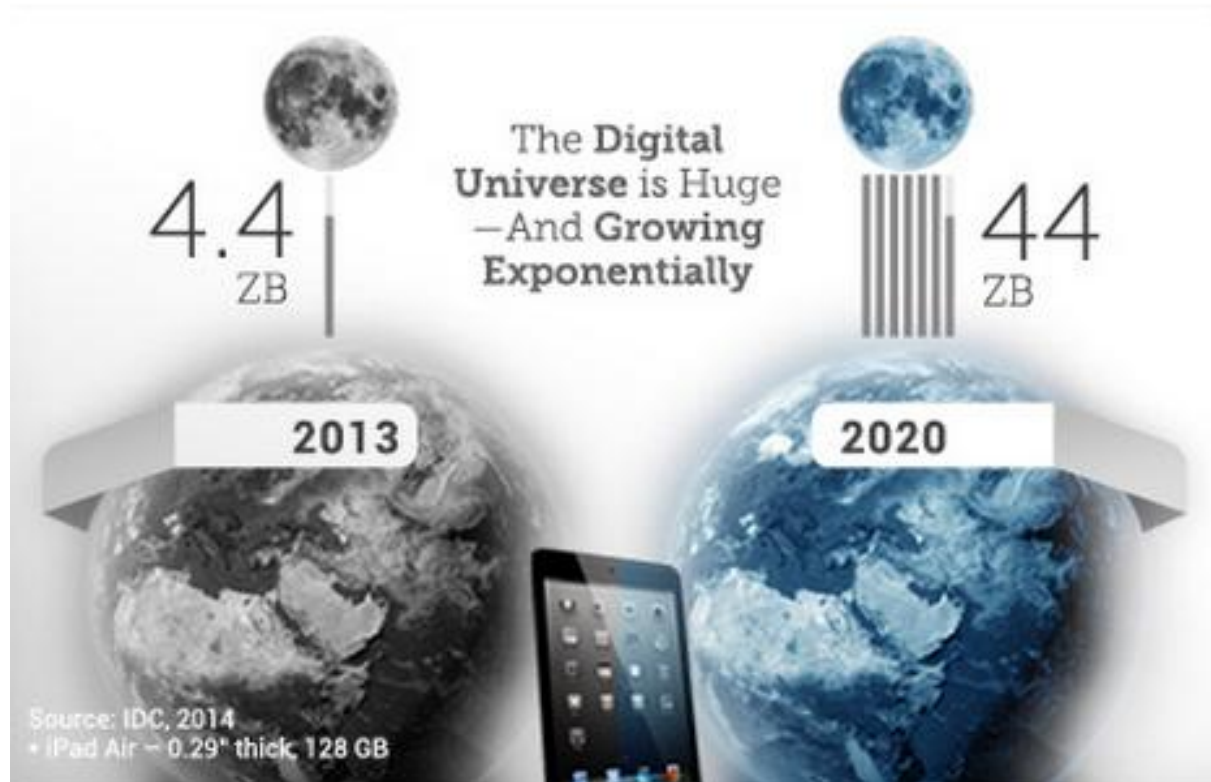
Cisco: By 2020 almost 7 devices per person on earth !

REDtone

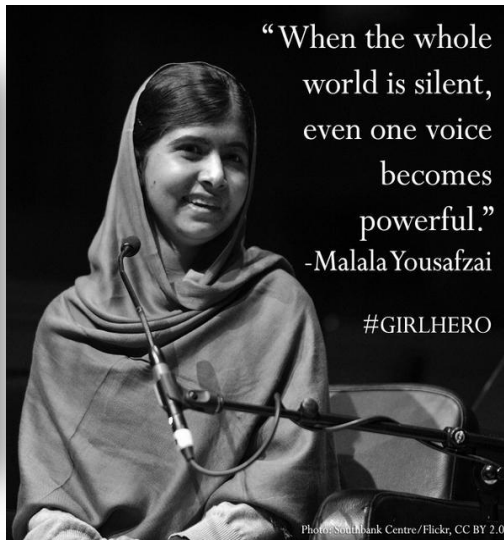
More Connected Devices Than People



IDC: In 2020 The data we create and copy annually 44 trillion gigabytes







**But“We Don’t Need
Mobile For Our Systems ...”**



Your Employees Have Gone Mobile

Time For Your Enterprise to Catch Up!

HAPPY AND PRODUCTIVE WORKFORCE

Companies need not be alarmed by employees' growing hunger for using mobile devices for work. An increase in mobile and flexible working is actually the key to a happy and productive workforce.

68% of workers

SAID THEY WOULD BE HAPPIER WORKING IN A MORE MOBILE AND FLEXIBLE WAY



53%



SAID IT MAKES THEM MORE PRODUCTIVE



SAID A WIDER RANGE OF WORK APPS WOULD MAKE THEM EVEN MORE PRODUCTIVE

CARRYING ON REGARDLESS



1 IN 6

employees have found ways to bypass their companies' IT security and use personal mobile devices for work without their employer knowing



67%

are using their own personal mobile device for work

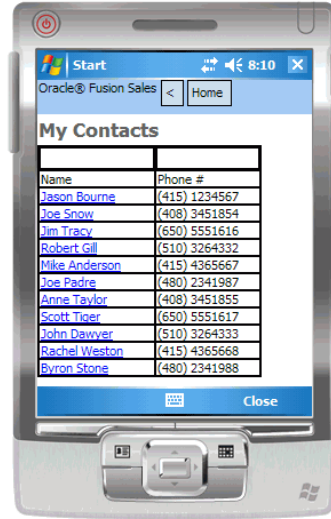


ONLY 18%

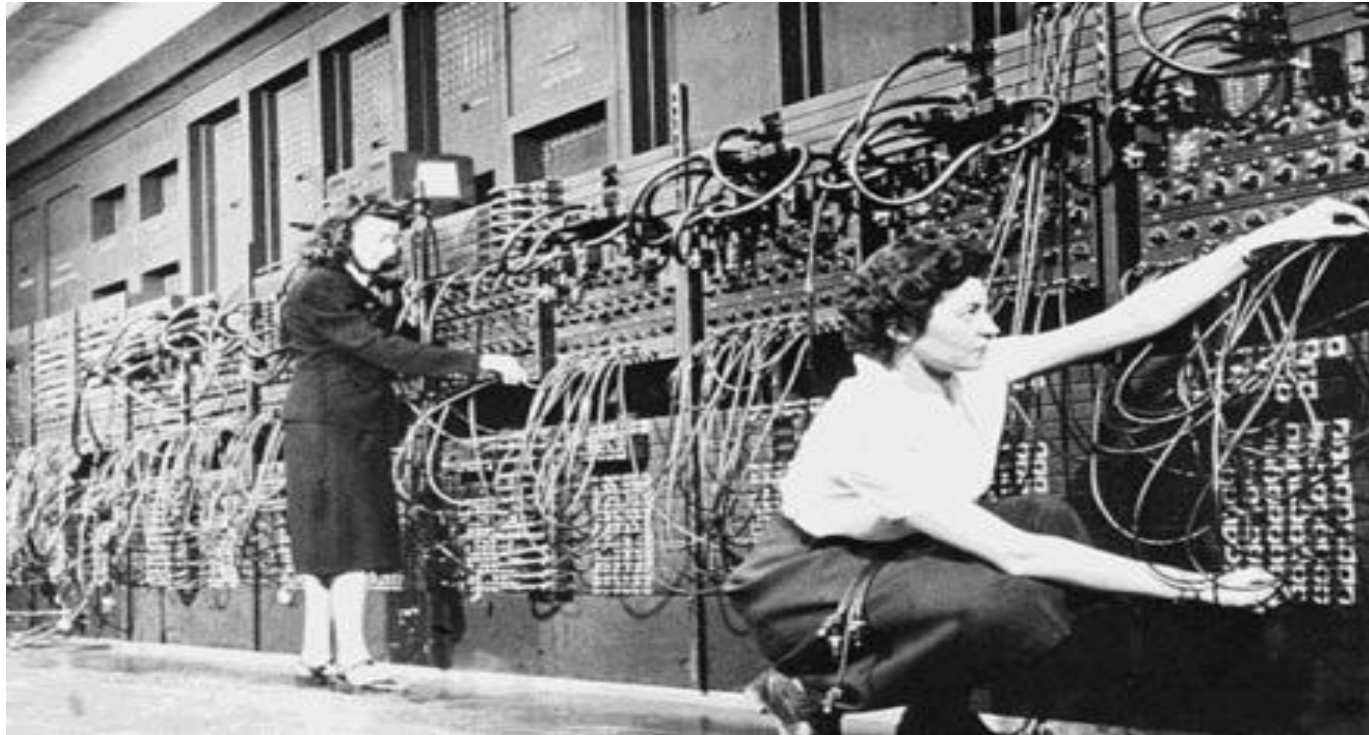
of respondents believe their company effectively controls what can be done on a mobile device

**Okay, So Where Do
We Begin?**

In The Beginning ...



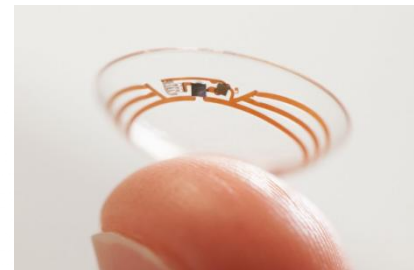
In The Beginning ...



Today ... (yesterday actually)



Tomorrow ...



SAAS



MBAAS

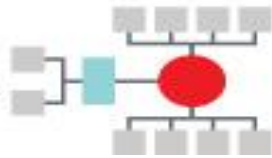
Alta UI

PAAS



SOAP

MCS



IAAS



REST

SOA



ADF



BYOD



DCS

JSON

DBAAS



<xml />

MAF



We Start With “Mobile First” ...

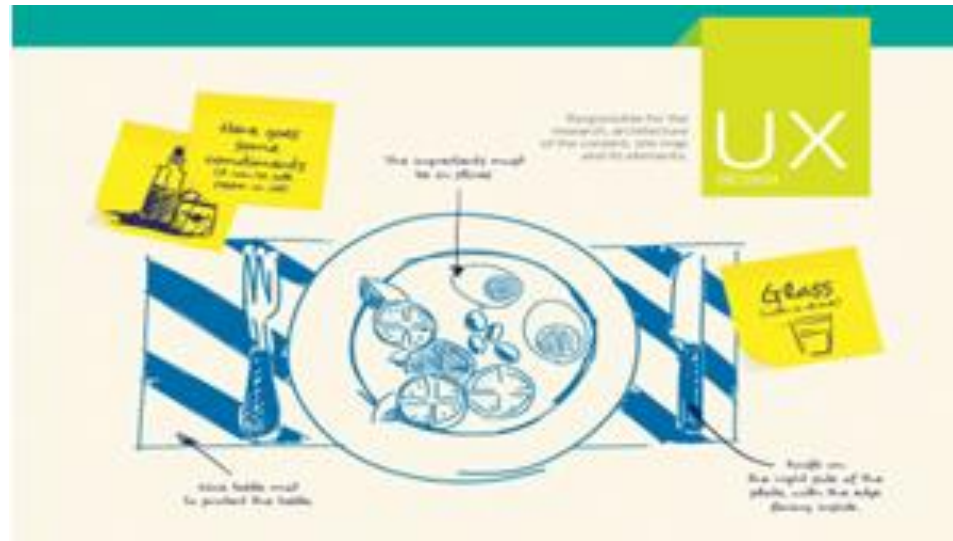
UI



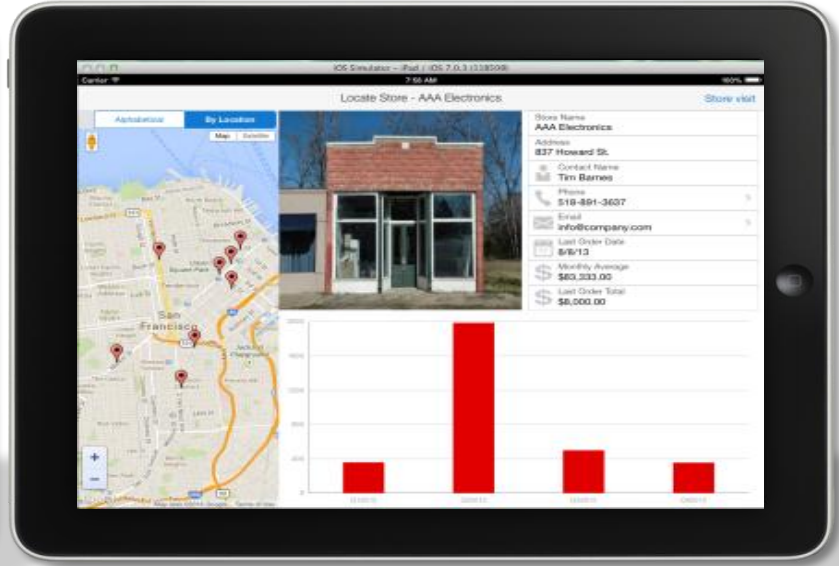
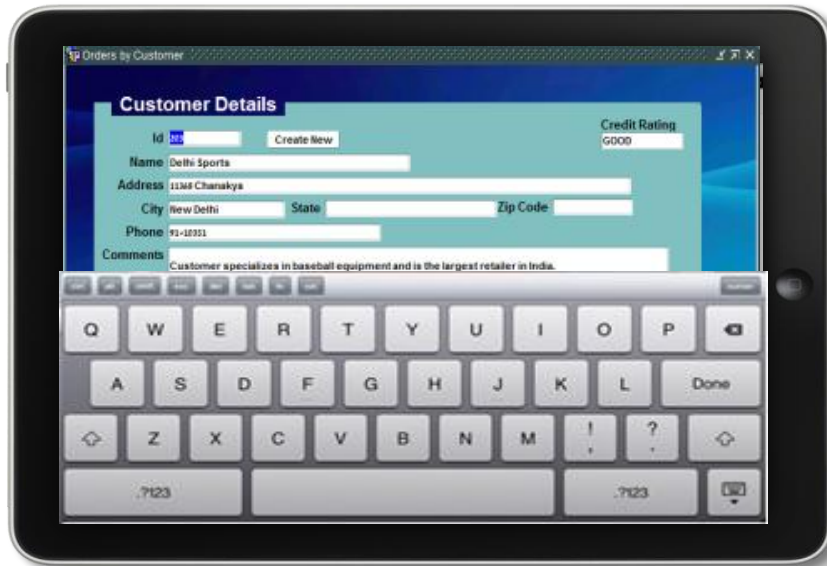
UX



User Interface vs User Experience



DO NOT run **SYSTEMS** on the mobile run your **BUSINESS** on the mobile



Understand The Business From Users

- Observe real end users doing real work:
Can we make them more productive?
- Watch surrounding and environmental challenges:
Can we improve employees user experience.
- Are users missing data to do their jobs?
- Enhance data gathering: cameras, SMS, social media, personal , location, voice
- Types of Users – Occasional, Internal/external



Analyze Mobile Requirements

- > What OS: iOS / Android / Windows
- > Device type, Screen size
- > Device Features / Capabilities
- > Offline / Connected
- > Processing power
- > BYOD?
- > Security



Consider Mobile Challenges

- > No mouse, Function keys
- > Using gestures
- > Harder to type
- > Smaller screen / Less screens
- > Difficult to touch small elements
- > Slower network – Disconnects



In The Oracle Developers ToolBox

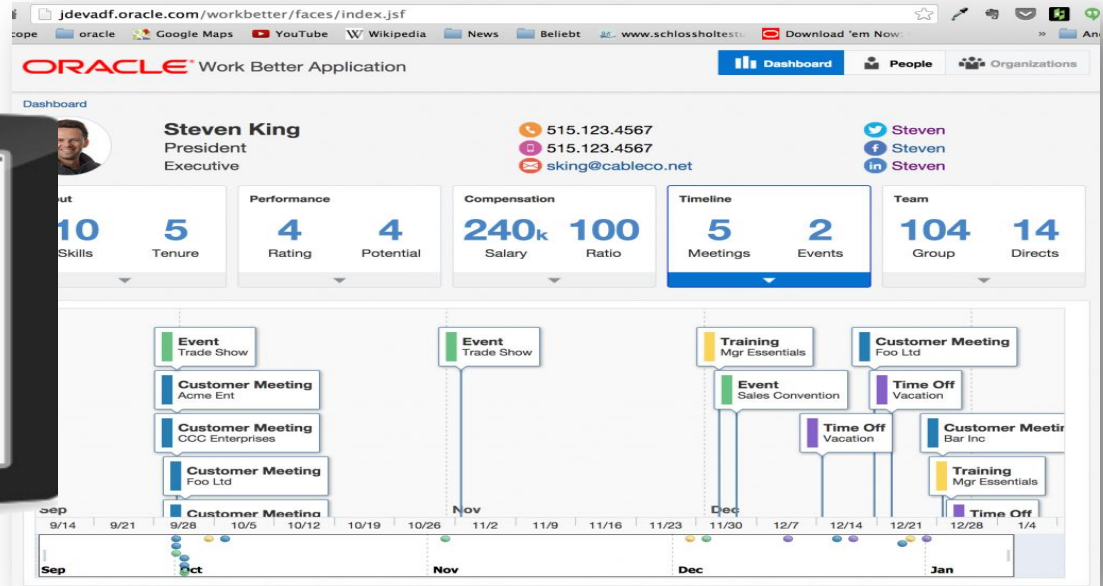
ALTA UI



MAF



Oracle Alta UI

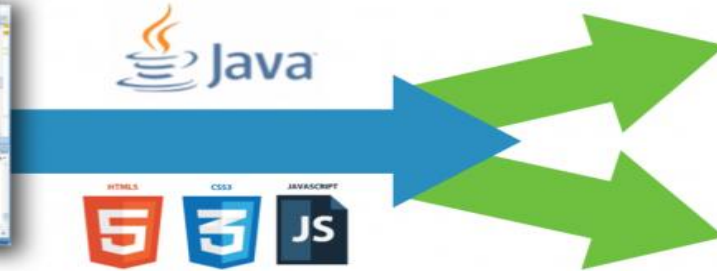


Design system developers to create modern, visually pleasing, consistent, and engaging interfaces that can be easily distributed across all delivery channels

Oracle Mobile Application Framework



**Build Once
(JDev or Eclipse)**

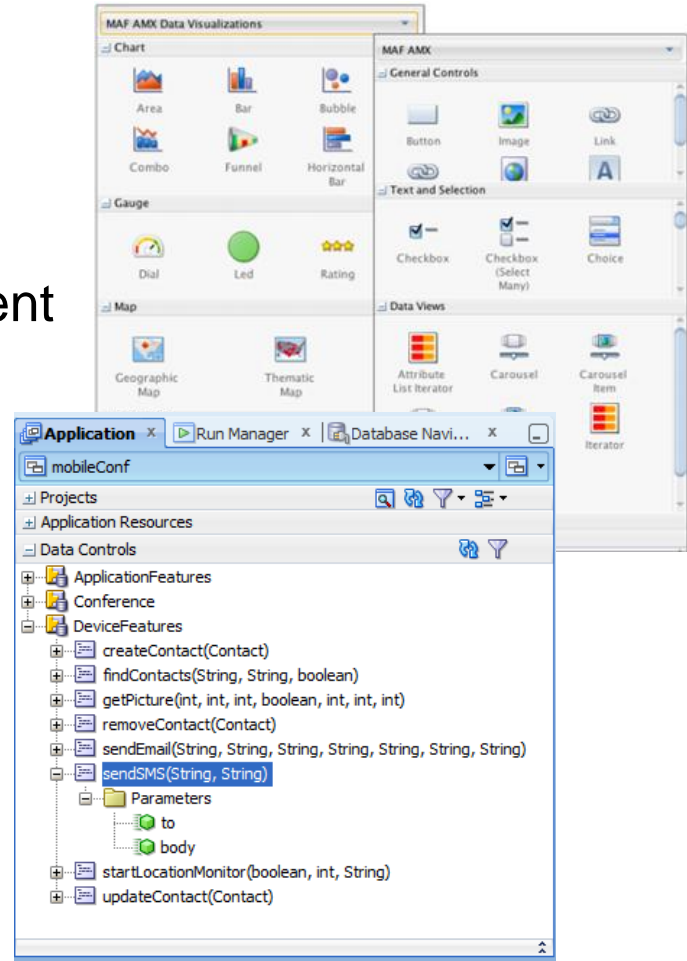


Run anywhere

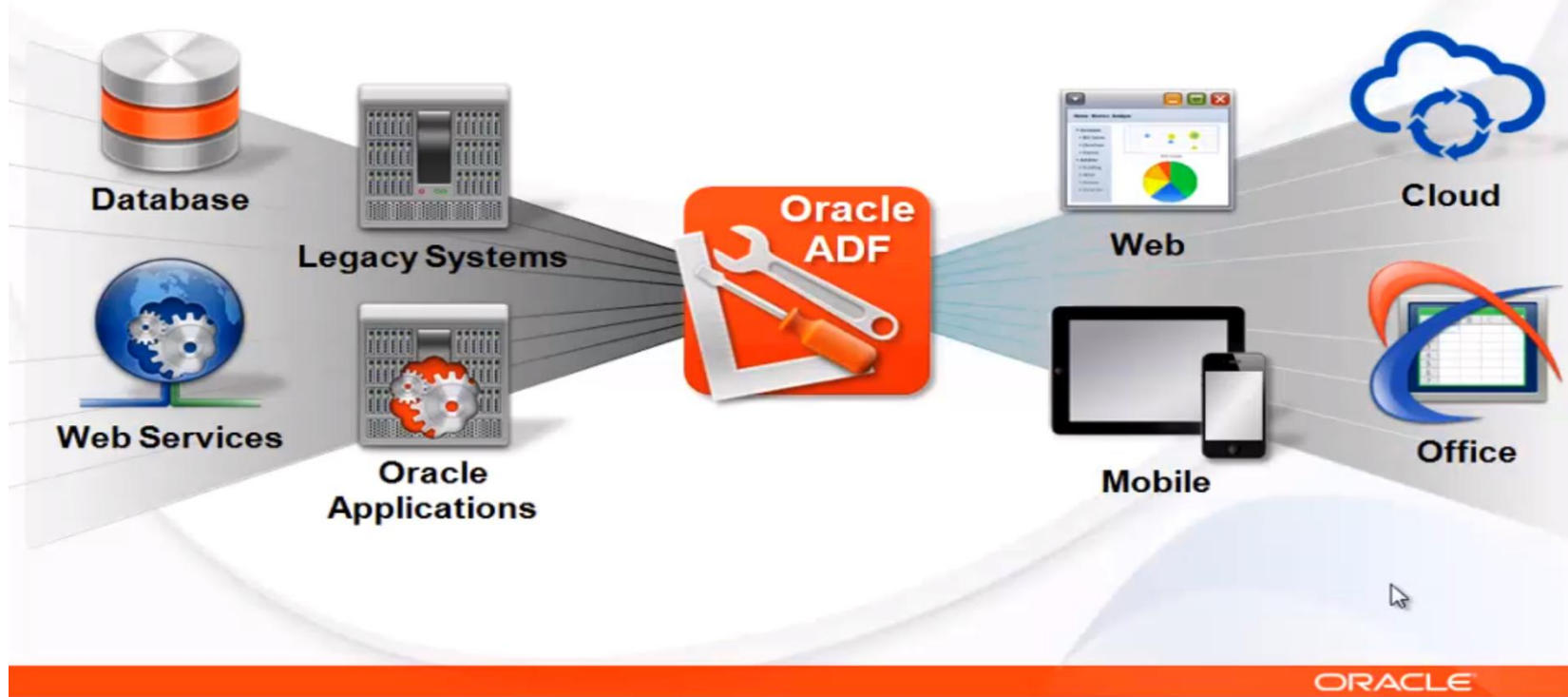
In a Nutshell



- > Develop in Java for iOS and Android deployment
- > Build once deploy to multiple platforms
- > Develop in Jdeveloper or Eclipse
- > Over 80+ UI components
- > Offline capability with SQLite with encryption
- > Full access to native device features
- > What you see is what you get editor



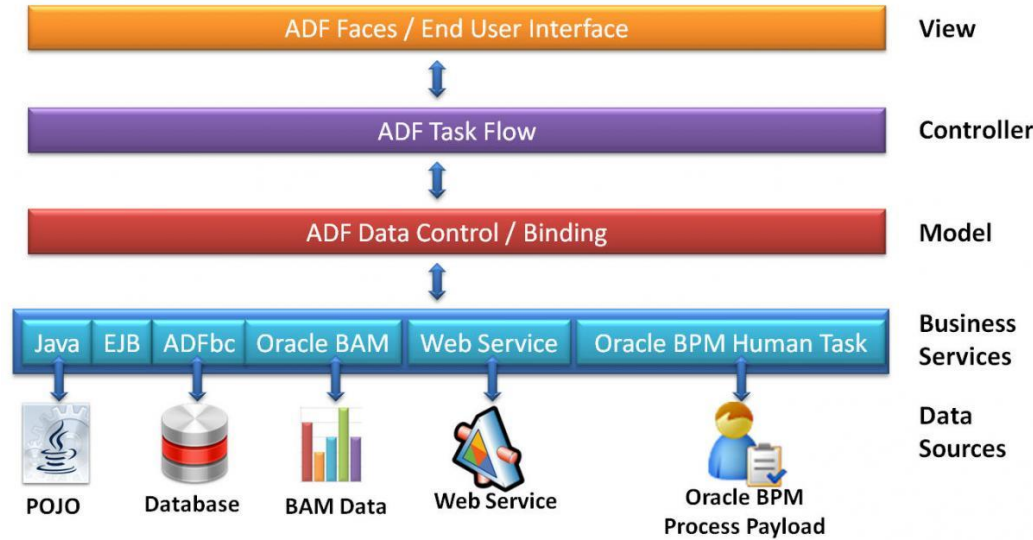
Oracle Application Development Framework



In a Nutshell

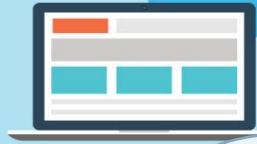


- Development framework that simplifies development of Java EE-based SOA applications
 - Visual editors, Property editors, dialogs etc...
- Provides end-to-end infrastructure solutions...
 - O/R Mapping /Persistence
 - Controller, binding
 - UI framework
 - Security
- Abstract developers from technology complexities

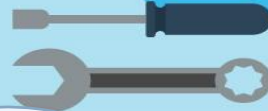


Up In The Clouds

SAAS



PAAS



IAAS

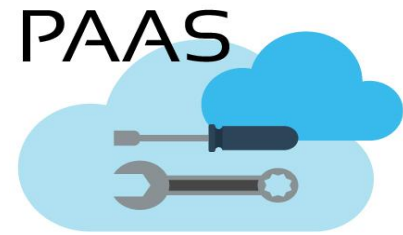


Software As A Service



- SaaS is sometimes referred to as "on-demand software" and is usually priced on a pay-per-use basis or using a subscription fee.
- Cloud providers install and operate software in the cloud and users access the software from clients usually browser based. Cloud users do not manage the infrastructure and platform where the application runs.
- Tax returns online, CRM systems (salesforce), Go-To-Meeting, Oracle EBS self-service modules

Platform As A Service



- PaaS provides an environment to create, host and deploy applications, saving developers from the complexities of the infrastructure side.
- Consumer manages applications and data, while the provider manages runtime, middleware, operating system, virtualization, servers, and storage

The Oracle PaaS Players

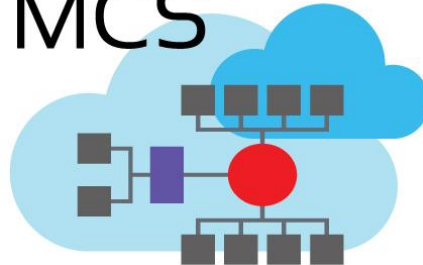
DevCS



JCS



MCS



MBAAS

DBAAS



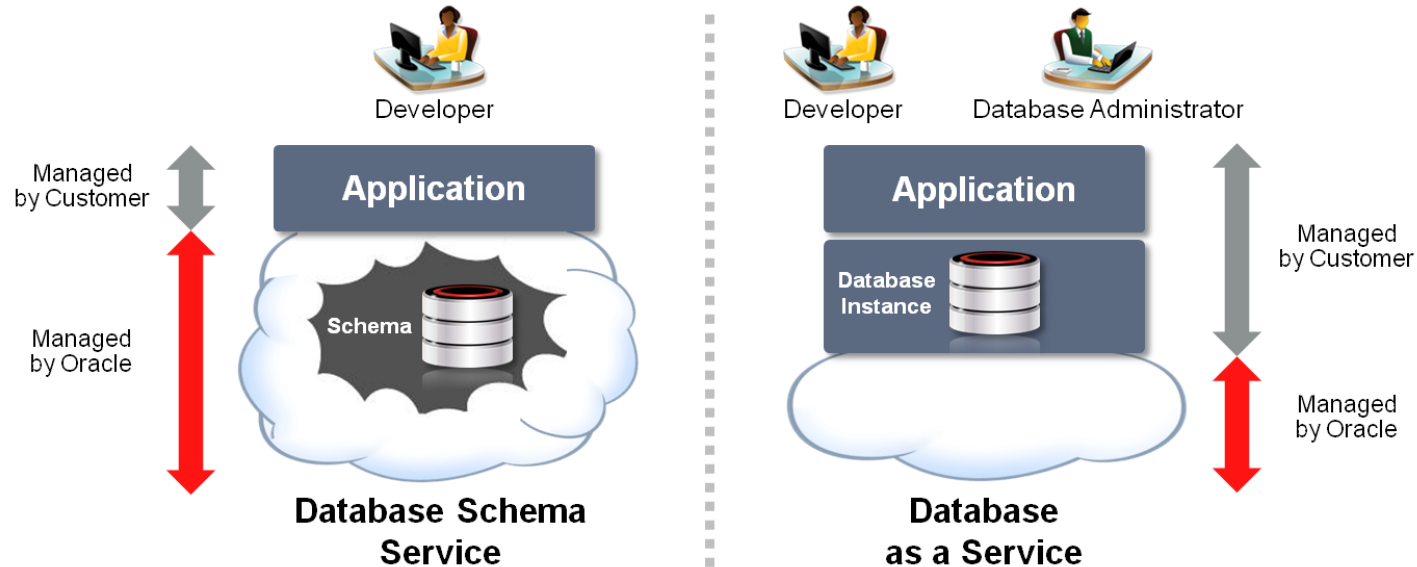
DbCS

Oracle Database Cloud Services

Database As A Service



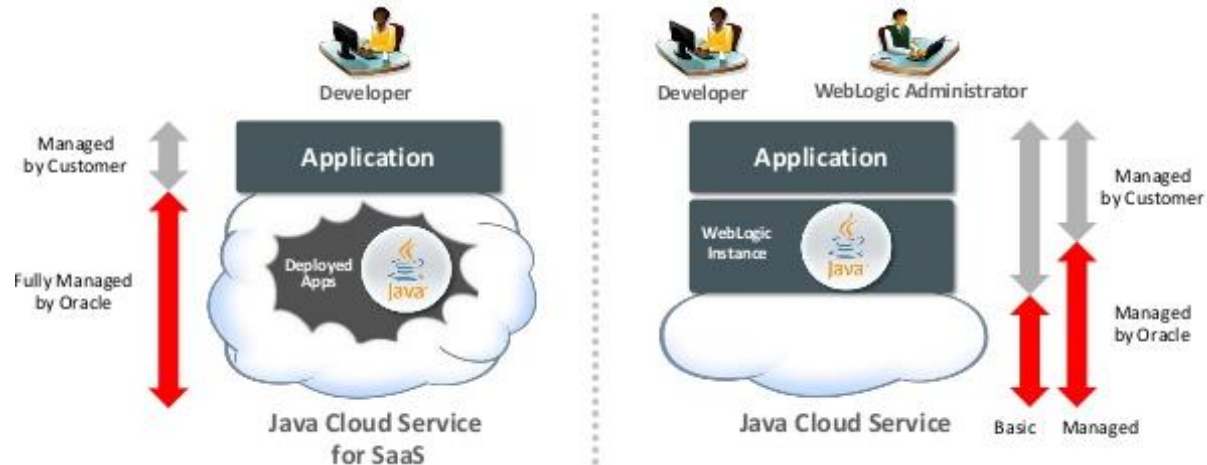
Service provider installs and maintains the database, and application owners pay according to their usage.



Oracle Java Cloud Service



- Full featured Weblogic server, flexibility of version and product edition
- For customers who need to offload development and testing environments
- Rapid provisioning of middleware environments
- Reduce hardware and datacenter costs





Oracle Developer Cloud Service

Develop on the Cloud

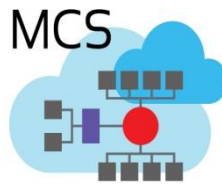


- **Develop** A turnkey development platform securely hosted in the cloud
- **Collaborate** Integrated tools to manage and track tasks, continuous integrations and documentation
- **Deploy** Automatic deployment to Oracle Java Cloud Service
- **Standards-based** git, Hudson, Maven

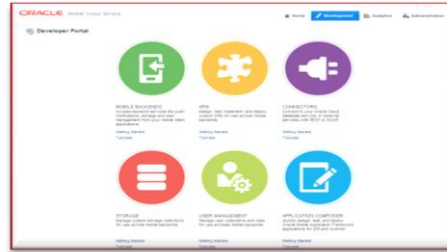
ORACLE

Oracle Mobile Cloud Service

Mobile Back-end As A Service



Multi-Device, Multi-OS
Web & Native Apps



Catalog API



Mobile Cloud Service



Mobile Security

Analytics / Monitoring



ORACLE®
E-BUSINESS SUITE

ORACLE®
PEOPLESOFT

ORACLE®
JD EDWARDS

ORACLE®
SIEBEL



ORACLE®
CLOUD SOLUTIONS



ORACLE®
FUSION MIDDLEWARE
FORMS



Infrastructure As A Service



- Offer computers – physical or (more often) virtual machines and other resources.
- The ability to scale services up and down according to customers' varying requirements
- Test environments
- No need for system admin!
- Amazon elastic cloud, Oracle elastic cloud



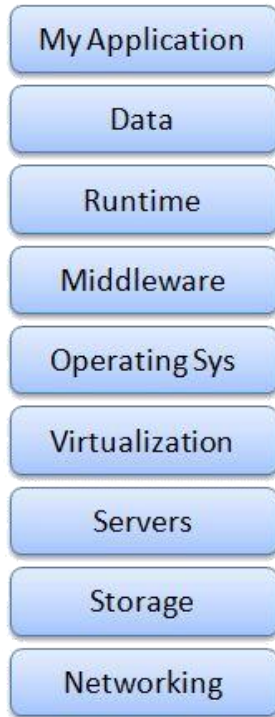
All Together Now

Pizza as a Service



■ You Manage ■ Vendor Manages

My Software Package



IaaS Infrastructure as a Service



PaaS Platform as a Service



SaaS Software as a Service



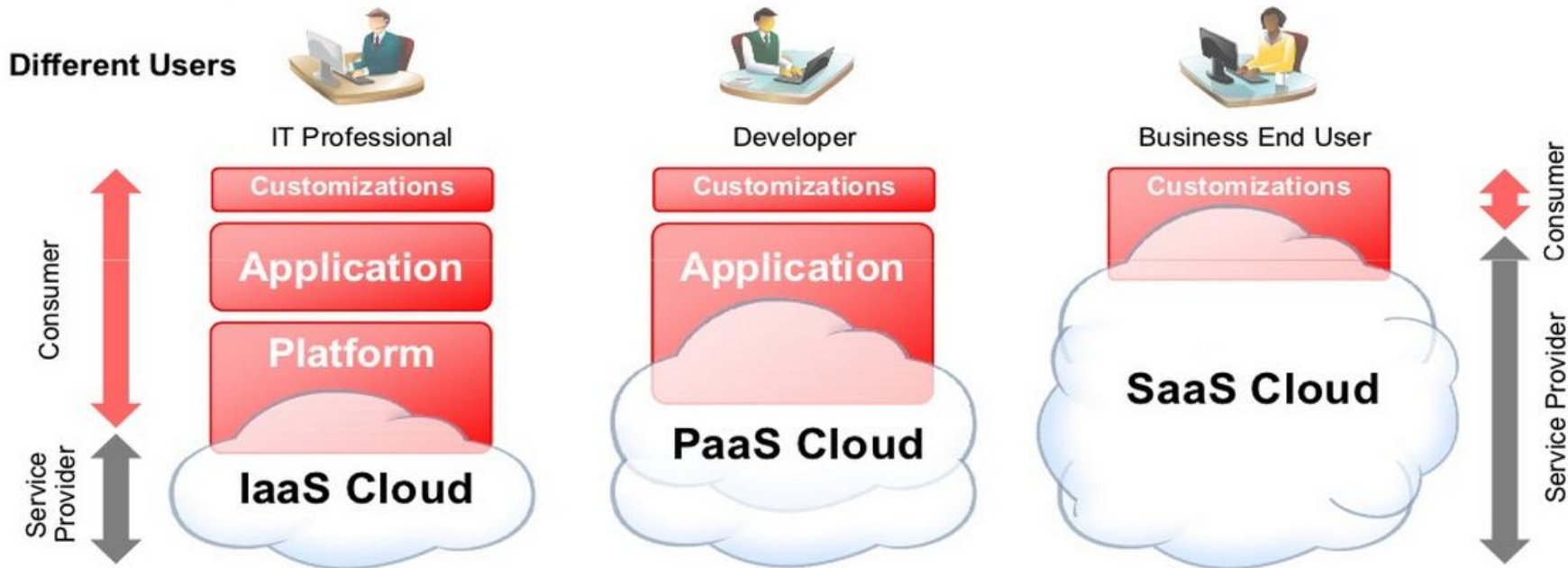
Legends :

Managed by Me

Managed by the Vendor

Customers Have a Choice of Clouds

IaaS, PaaS or SaaS



ORACLE

Where Do We Go From Here ?

The Way Forward

- › **Review Current Landscape**
 - Where can mobile increase revenue, promote corporate efficiency
- › **Assess Your Requirements**
 - › What platforms do we need to deploy to? UI requirements?
- › **Understand Existing System**
 - Where does the business logic sit today?
- › **Define Timeline and Budget**
- › **Choose development tools to review**
- › **Conduct Proof of Concept of Proposed options**
- › **Decide on final Implementation Method**



More Information

Mia Urman

miaurman@auraplayer.com

@miaurman

www.oracleformsinfo.com

www.AuraPlayer.com

info@auraplayer.com

@auraplayer

