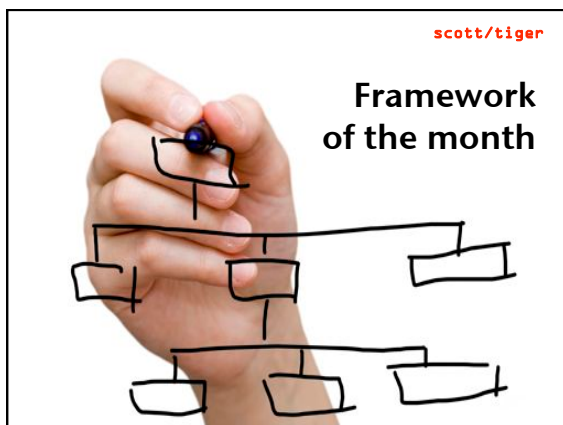




Frameworks

scott/tiger

- Many modern application being built in Java
- Mismatch between Java objects and relational tables
- Use a Framework for Data Access Objects
 - Build your own
 - Use Open Source
 - Use a commercial framework



Oracle ADF

scott/tiger

- Long heritage (> 5 years)
- Used by Oracle for Fusion Apps
- Licensed with all App Server versions
- Source available
- Good tool support (JDev 11g)



ADF Faces: JSP & JSF

scott/tiger

- JavaServer Pages for building dynamic web pages with Java
- JavaServer Faces is a framework for building component-based apps
- JSF apps are rendered as JSP

scott/tiger

AJAX?

- Cool Web Interface Required
- Hand-building AJAX apps is difficult and time-consuming
- Leave it to the component vendors (like Oracle)
- ADF Faces Rich Client is (sort of) AJAX



scott/tiger

ADF Swing

- Very rich UI possible
- Can build client/server apps
- Productivity is almost Forms-like
- Still a learning curve for Forms developers

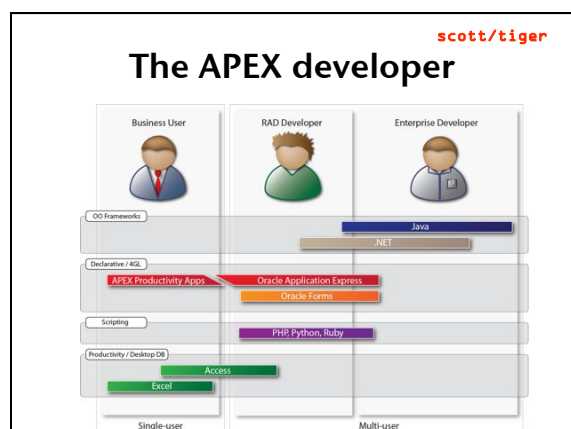


scott/tiger

A large, detailed Transformer robot, likely Optimus Prime, standing in a dynamic pose. It is blue and silver with a red visor.

Application Express 3.1

2008



scott/tiger

Application Express

- Browser-based development tool
- Builds HTML-based (web) applications
- Lots of functionality available through wizards
- Extensible through PL/SQL (and JavaScript / CSS)
- Licensed with database
- Lots of packaged (pre-built) applications

scott/tiger

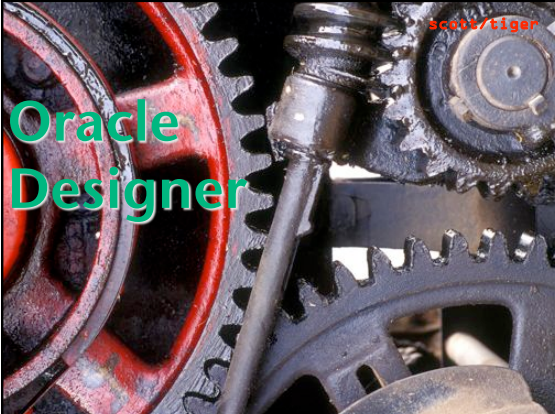
BI Publisher



- Enterprise-level printing solution
- Separates data from presentation

Flickr/getaspa

scott/tiger



Oracle Designer

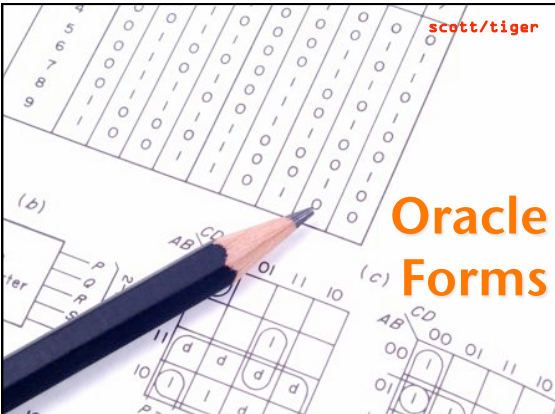
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Oracle Designer

"For Oracle Designer, starting with Oracle Designer 10g, no new features or enhancement requests are planned. The product will be fully supported and the focus will be on product stability but won't include any new functionality"

– From Oracle Statement of Direction (October 2008)

scott/tiger



Oracle Forms

scott/tiger

Oracle Forms

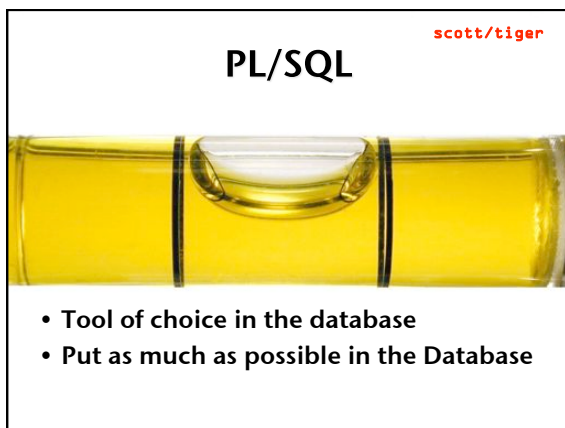
"This ... means that Oracle is already committing development resources that will take Forms and Reports through to, at least, 2017. There are no plans to desupport Oracle Forms and Reports after 2017."

– From Oracle Statement of Direction (October 2008)



Oracle Reports

- Strong competition
 - BI/XML Publisher for Fusion Apps
 - Jasper Reports etc. for standard reports
 - Apache FOP for PDF from web apps
- There are still things that only Oracle Reports can do
- Supported through (at least) 2017...



PL/SQL

- Tool of choice in the database
- Put as much as possible in the Database



Oracle Portal

- Based on Oracle DB and PL/SQL
- Portlets in PL/SQL or Java (JSR-168/WSRP + proprietary)
- Content Management functionality
 - Publication, expiry, metadata
 - Simple approval
- Proprietary content store
- Exists in entry-level edition (Standard Edition One \$6K)



Oracle WebCenter

scott/tiger

Oracle WebCenter

- Framework for JSR-168 portlets using JSF
- Uses JSR-170 content
 - Oracle Content DB
 - Oracle Portal
 - UCM
- "Web 2.0" buzzword compatible
 - Wiki, Discussion Forum, Presence server
- Expensive
- Will be used for Fusion Applications
- WebCenter Services License

scott/tiger

Where are your users?



Internet

Extranet

Intranet

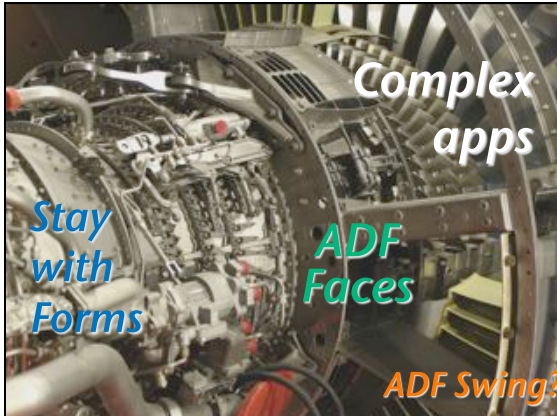
scott/tiger

Developer skills



Can you change?
Do you want to?

Forms?
Java?
PL/SQL?



Complex apps

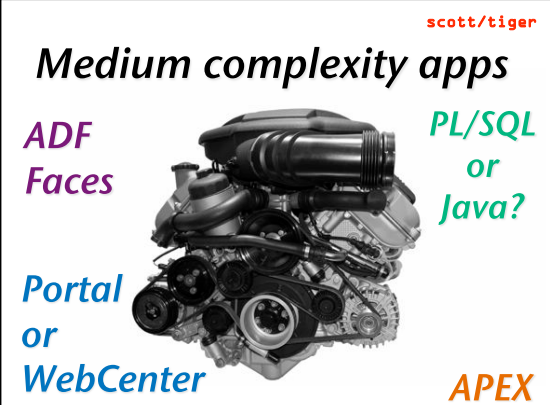
Stay with Forms

ADF Faces

ADF Swing?

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Medium complexity apps




ADF Faces

Portal or WebCenter

PL/SQL or Java?

APEX

scott/tiger



Simple Apps

Application Express

scott/tiger

Overview

- ↑ Application Development Framework
- ↑ ADF Faces
- ➡ ADF Swing
- ➡ Application Express
- ➡ BI Publisher
- ↓ Oracle Designer
- ➡ Oracle Forms
- ➡ Oracle Reports
- ➡ PL/SQL
- ➡ Oracle Portal
- ➡ Oracle WebCenter

scott/tiger

References

- My opinion on tools: <http://www.vesterli.com/oracle-tools/>
- To discuss and improve: wiki.oracle.com
- My blog: www.vesterli.com
- Flames: flames@vesterli.com
- Well-reasoned and polite discussion: sten@vesterli.com

"What doom do you bring out of the North?"

"The doom of choice," said Aragorn. "...None may live now as they have lived, and few shall keep what they call their own."

Lord of The Rings
J.R.R. Tolkien

