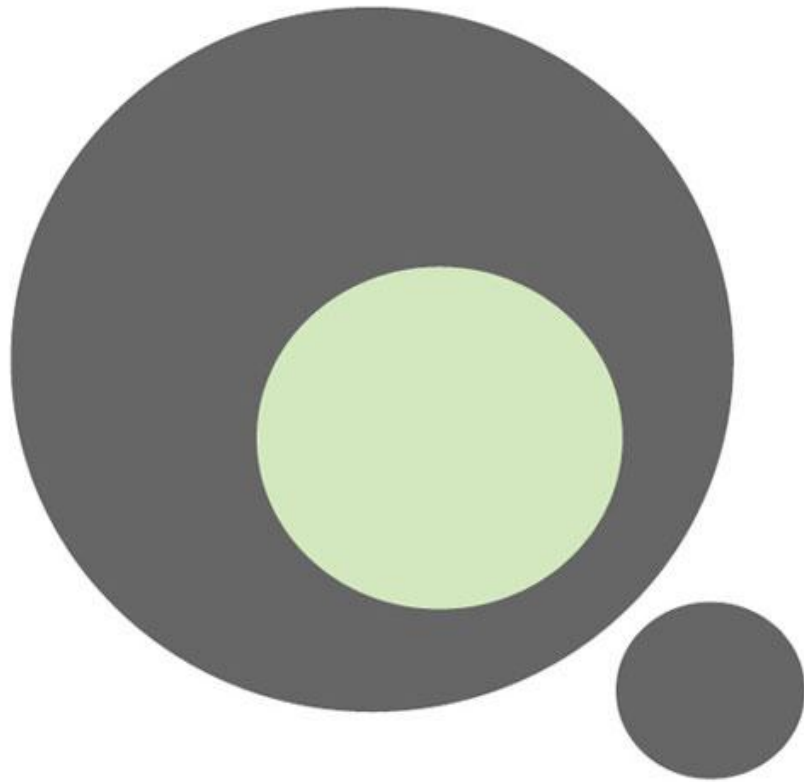


The Quintessence story



quintessence
systems limited



In 1998 Larry Ellison said:

*“Java on the Client,
Java on the Middleware,
Java on the Database!”*

The result:

100% automatic migration of
server-side PL/SQL to Java.





PL/SQL to Java

- In 2002 in2j passed migration tool testing at IBM – twice!
- We migrated several large PL/SQL libraries with 100% accuracy, eg iLaunch (Australian health care company).
- Over 1 million lines of PL/SQL successfully migrated!



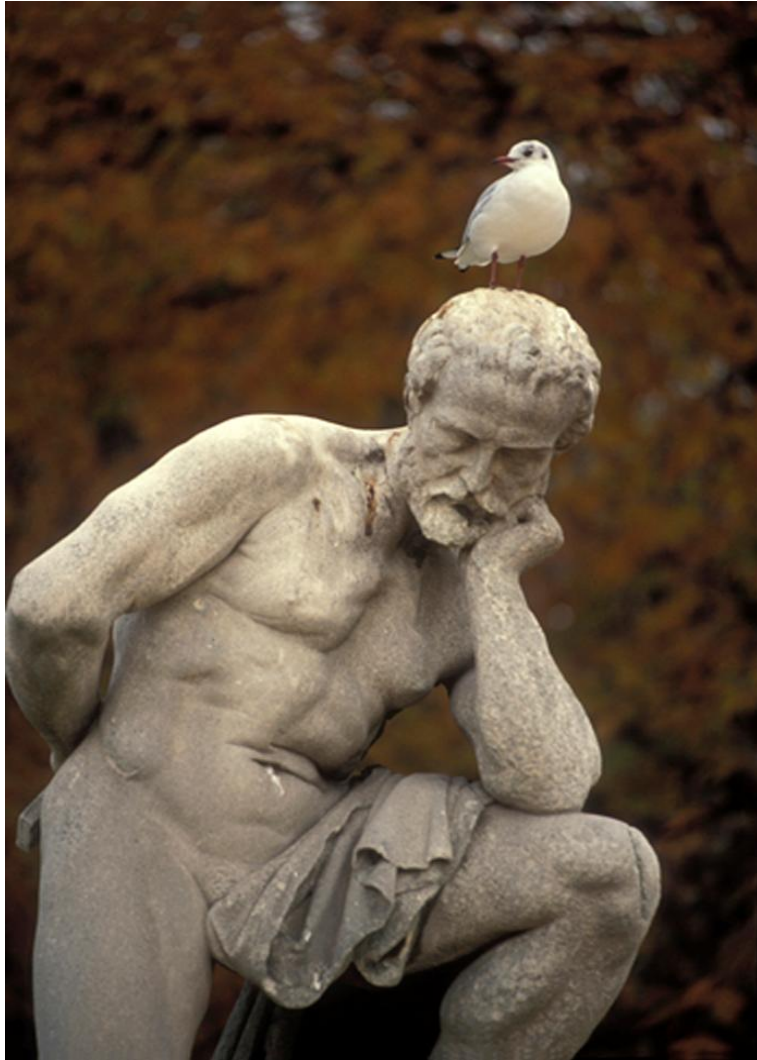
Forms to Java

- In 2005 completed a Forms runtime in Swing to complement our PL/SQL migration technology.
- Pixel-perfect rendition of Forms 6i running client-server!
- In 2006 completed two applications for DESY, the Deutsche Synchrotron project – one accounting system and one for liquid helium management.
- In 2007 successfully migrated missile telemetry application for USAF.



- In 2009 we repackaged the migration tool as Jxtractor ...
- A tool to extract PL/SQL business logic from Forms applications ...
- and to migrate the business logic into Java – ready for use in Forms / PL/SQL Java migration projects.
- Also preserving all the original SQL queries.

But we wanted more!



We knew that there was enormous value in:

- our re-implementation of the entire PL/SQL language in Java
- our re-implementation of Forms in Java.

But how to realise it?

Forms 6i - we love it! But ...

- Only runs client-server.
- Cannot be used over the internet.
- Moving out of support.
- No more bug fixes.
- No new features.

Forms 10g / 11g ?

- Works over the internet directly into the browser – great!
- But needs plugin and Java runtime.
- Important features dropped – eg, graphs.
- Limited use on mobile / handheld devices.
- Few new features - mainly presentational fixes.
- Inadequate bug fixing.
- Forced move to Weblogic.

Our aim - a solution that ...

- Renders Forms applications into *any* browser!
- As 100% HTML and JavaScript.
- No plugins!
- No client-side software – not even Java needs to be installed or enabled.
- Runs on lightweight mobiles / cellphones and other hand-held devices.

Our technology choices ...

- JEE6 Enterprise Java application on the server – which does all the hard work.
- HTML / JavaScript on the client browser – simple, lightweight code.
- Connected by thin AJAX layer.
- Fast and efficient!
- Easy to fix bugs and add new features.

But could it be done?

- Uses a similar architecture to Facebook and Google.
- Does not rely on any special browser features.
- Only requires Oracle database and JEE6 server side libraries.
- Can use current Forms / Reports source code without alteration.

Yo!Server

Yo!Forms

Yo!Reports

The YoServer Product Suite

Yo!Developer