Scout at the RID by Bertin Kiekebosch

RID = Regionaal Instituut Dyslexie.

A little personal historie

The new job (challenge) at the RID

Website
Maintenance

Apps
development

Integration problems

High costs

No fexibility

Performance problems
With 3rd party appplications

The technologies at the RID

Joomla, HTML CSS, Javascript

IPad & Android

Excel, XML, Webservices

Everything done by external contractors

Hard coded reporting only

MS SQLServer databases

How it felt

RAMBLIN' DAN
Ramblin' Dan
DON'T WORRY BE HAPPY
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The search for tools in 2011

- Multitier
- Rich functional GUI
- Multiple databases
- Integration with other systems
- Productive
- Java
- Functionality of existing software

Nominees

Spring

Swing GUI

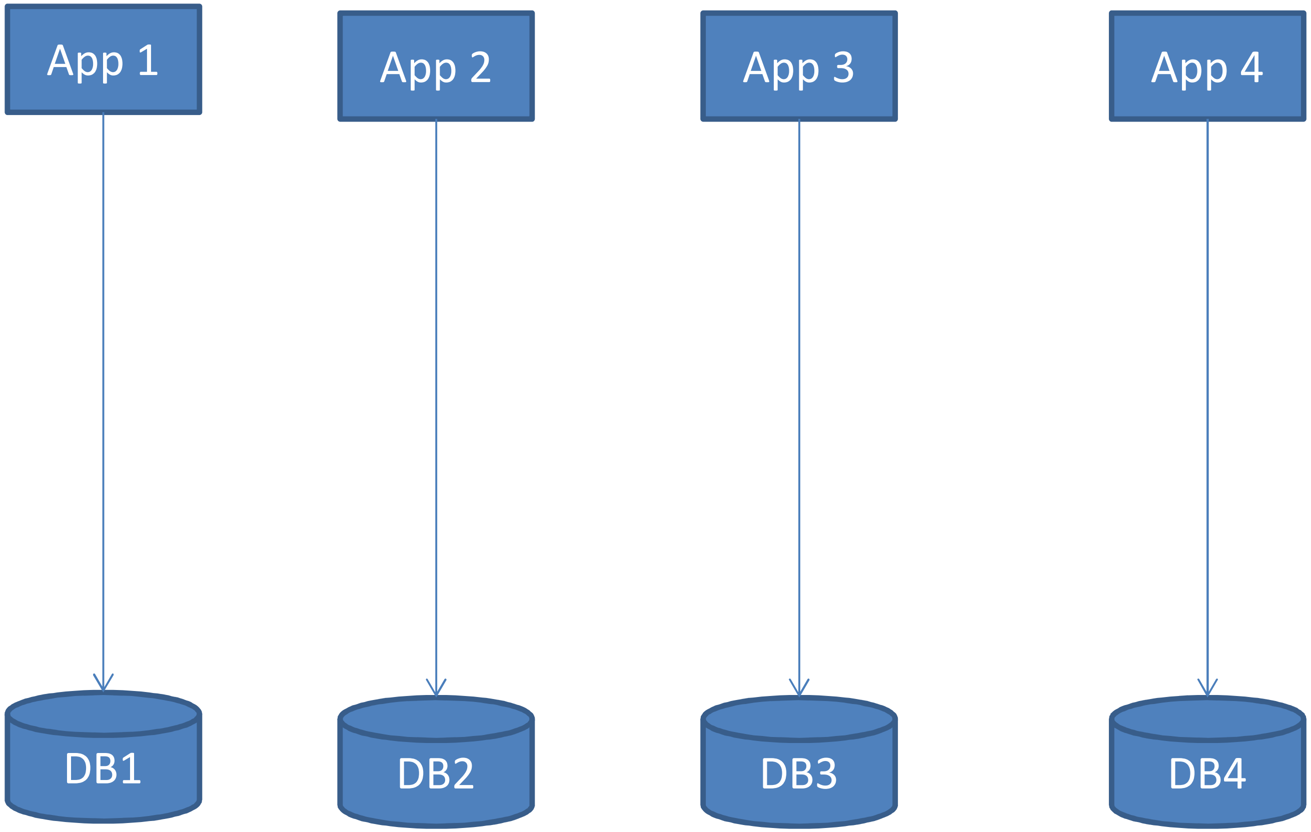
RCP/ RAP

Riena

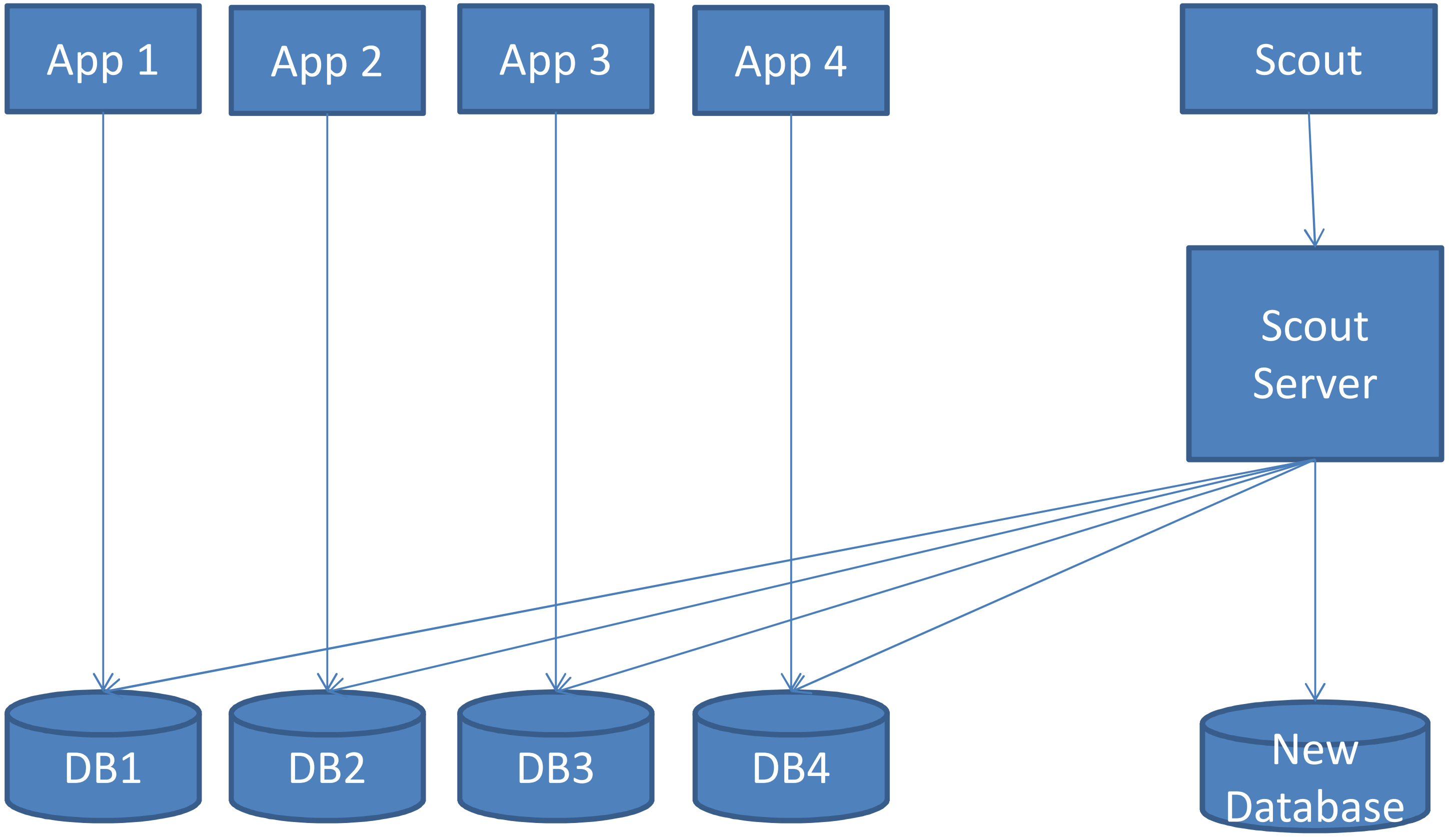
Scout

And the winner is ? But in 2011 …

The existing applications



The new architecture



Dynamic database selection

- Most users only work with one database.
- Some users work with multiple databases (staff reporting/ account management).

- Most services work with one old database
- Some services work with the new database

Dynamic database selection

- Dedicated services for the new database: no brainer.

- Dynamic selection of an old database: store selection criteria in the Session Data and dynamically select a Service. See ClientProcessService.load and MpxSqlServiceProvider. getSqlServiceClass

- Loop over multiple databases for reports. See StafReportService. getVestigingenForDatabase(). Only works when database selection loop is at the client side.

Lookup services

- Works with the SQL class (convience wrapper)
  See AbstractSqlLookupService.
  execLoadLookupRows().

- Override it in your concrete LookupService
  See class GemeenteLookupService

Verbose SQL Statements

- No additional frameworks (hibernate)
- Write SQL directly. See class AccountProcessService
- With many columns ?? See class ClientProcessService
- Field mapping to the rescue. See class SqlFieldMapping.

Custom components

- If Scout does not meet your requirements.
- Its ‘easy’ to create your own components.
- Its ‘easy’ to enhance components.

Custom components

- Lets forget the ‘easy’
- It is hard to re-engineer, to find out what the original idea was, how it should work.

- Lets say it is do-able.

How it feels now!

Questions ?