Frederic Tremblay (MBA, MSc)

Head Of Business Intelligence

Business Intelligence

Data Engineering

Data Science **Hands-on**

R&D

My blog LinkedIn

Medium

PDF version

Entrepreneurial commercially savvy technologist with "Big Picture" hat on.

For the last 23 years, I have been responsible at different levels for helping organisations win, by driving the adoption of data architecture & business intelligence.

I have done this by raising the profile of BI among directors, developing business and commercial acumens, inspiring and technically directing teams in the delivery of business-critical information systems.

✉ rascasse83@gmail.com
📱 07792667480

Experiences

Group Head of Business Intelligence

DX Group plc - September 2017 to December 2021 - Full-time - SLOUGH - United Kingdom

▸ Define Group strategy for Data, BI and actionable insight.
▸ Lead and manage BI, data engineering and data governance teams in the execution of the strategy (hands-on).
▸ Ability to balance strategic against tactical demands.
▸ Manage and coordinate cross departmental projects.
▸ Lead customer facing BI and commercial product development.
▸ Lead the delivery of innovative machine learning powered solutions with major contribution to cost control.
▸ ££: designed, developed & rolled out a revenue protection solution (£1million additional revenue in first 15 months).
▸ ££: led the development of a driver pay solution fueled by data-science.
▸ Strong line management credentials (x9).

Business Intelligence Manager

DX Group plc - May 2013 to August 2017 - Full-time - NORTHAMPTON - United Kingdom

▸ Develop a high quality professional BI team capable of providing a high standard of BI support to the business (from 5 BI devs to 8).
▸ Effectively translate high-level business requirements into detailed specifications and quality fit-for-purpose solutions.
▸ Select the appropriate BI toolset to be used within the DX Group.
▸ Define DX's data strategy and vision for business intelligence initiatives.
▸ ££: led the delivery of a predictive ETA Solution which contributed to the retention of customer accounts totalling circa £80m revenue.
▸ Hands-on development of various solutions (Datamarts, MS SQL SSIS & SSAS, SAP BI 4.1 Universes and Reports, .Net web apps, etc..).
▸ Perform focused data analysis & story-telling (SQL, SAP Lumira, PowerBI).

BI Team Leader

Robert Half International - March 2009 to March 2013 - Full-time - BIRMINGHAM - United Kingdom

▸ BI Team leader supervising 4 BI developers (inc 1 offshore).
▸ Leading MIS team in BI platform enhancement & migration (3000+ indirect users).
▸ Supervising BI team in day to day enhancements of the BI solution.
▸ SAP Business Objects 3.1, Crystal Reports 2008, SAP OLAP Voyager, Xcelcius, SQL Server BI 2008 R2.
▸ ££: Reduced back office costs for report generation (£50k/year).
▸ Design & development of a web scraping based lead generation tool.
▸ ££: Revenue generated from BI lead generation tool (£120k over 12 months / ROI x1.85).
▸ 1st Prize winner at internal « Hack Day 2010 » with a Web BI mashup.

CRM Technical Lead

Robert Half International - February 2007 to February 2009 - Full-time - BIRMINGHAM - United Kingdom

▸ New Web CRM application (inc BI module) for 200+ direct users.
▸ Contribution to client loyalty and sales increase with Net Promoter Score method.
▸ SQL Server 2005, SSIS, SAP Business Objects XI, ASP.
▸ Outcome:
▸ Increased customer retention from better engagement.
▸ Revenue generated from increased engagement.

BI Architect & Developer
Robert Half International - January 2006 to January 2007 - Full-time - BIRMINGHAM - United Kingdom

- EMEA BI Platform rollout of a sales performance monitoring & staff reward reporting.
- 3000 indirect users (pushed reporting) & 50 direct users (BOXI premium licenses).
- SQL Server 2000, MS Analysis Services, SAP Business Objects XI.

Enterprise DataWarehouse Manager
Alstom Transport (HQ) - January 2005 to December 2005 - Full-time - PARIS - France

- Promotion from UK business unit to worldwide corporate headquarters.
- New enterprise datawarehouse EDW for 3 different SAP ERPs.
- Budget responsibility (Capex budget of €3m inc 3000 direct BOXI Premium users).
- Manage project start-up and design phases.
- Oracle, IBM Datastage, SAP Business Objects XI.

Hands-on BI Lead
Alstom Transport Services - January 2002 to December 2004 - Full-time - BIRMINGHAM - United Kingdom

- New Line of Business datawarehouse for 3 ERPs of which one SAP R/3.
- Budget responsibility for prototype and licenses (Capex £70k).
- Manage project from start-up to close.
- SAP R/3, SQL Server 2000, DTS, MS OLAP, Crystal Enterprise 10, Crystal Reports.
- 2012 Update *** this Line of Business DW has now become a Global Enterprise DataWarehouse ***

ERP Junior Project Manager
Alstom Transport Services - January 2001 to December 2001 - Full-time - DUBLIN - Ireland

- Roll-out of ERP SAP R/3 at 1 tram maintenance depot.
- Budget responsibility for ERP configuration (Capex £60k over 6 months).
- Manage Project from Start up to Close.
- SAP R/3 PM, MM, FI-CO.

ERP Business Systems Analyst
Alstom Transport Services - September 2000 to December 2001 - Full-time - BIRMINGHAM - United Kingdom

- Part of the blueprint "pilot site" team for SAP R/3 rollout.
- Business Analysis and Testing of SAP R/3 modules.
- SAP R/3 PM, MM, FI-CO, SD.
- "High potential" programme entry.

Skills

Information Technology Practices

- Data Engineering (EDW, data lakes, ETL/ELT) ★★★★⯪
- Business Intelligence ★★★★⯪
- Relational database design ★★★★⯪
- Platform & Data Architecture ★★★★⯪
- Data Governance & Management (DAMA) ★★★★⯪
- Agile BI, Waterfall, Iterative ★★★★⯪
- Project Management (Prince2) ★★★★☆

- ▸ ERP Implementation ★★★½☆
- ▸ Web Development (RAD) ★★★☆☆

Data Engineering and Integration

- ▸ Microsoft SSIS, MDS, DQS ★★★★½
- ▸ Azure Data Factory ★★★½☆
- ▸ PowerQuery ★★★½☆
- ▸ Qlik Replicate, Debezium ★★★☆☆
- ▸ DBT, Airflow, Airbyte ★★★☆☆
- ▸ AWS Glue ★★☆☆☆
- ▸ Elastic Search ★★☆☆☆
- ▸ Apache Spark & Kafka ★★☆☆☆

Business Intelligence

- ▸ MS SQL 2019 (SSAS, SSRS) ★★★★½
- ▸ PowerBI ★★★★☆
- ▸ SAP Business Objects Enterprise 4.1 ★★★★½
- ▸ SAP Crystal Reports ★★★★½
- ▸ SAP Business Objects Universes, IDT & Webi ★★★★☆
- ▸ SAP Dashboard (Xcelcius) & Lumira ★★★★☆
- ▸ Excel Advanced Dashboards ★★★★☆
- ▸ Metabase, Apache Superset ★★★½☆
- ▸ IBM Cognos ★★★☆☆
- ▸ Qlikview ★★★☆☆
- ▸ AWS Athena & Quicksight ★★½☆☆

Database Management Systems

- ▸ Microsoft SQL Server 2000-2019 ★★★★½
- ▸ MySQL 5.7 - 8.0 ★★★½☆
- ▸ SQLite ★★★½☆
- ▸ Azure SQL DB ★★★½☆
- ▸ Oracle 12c ★★★☆☆
- ▸ Snowflake ★★☆☆☆

Architecture & Modelling Tools

- ▸ Oracle SQL Data Modeller ★★★★½
- ▸ Visio ★★★★½
- ▸ Draw.io ★★★☆☆
- ▸ Erwin ★★★☆☆

Programming Languages and Scripting

- ▸ SQL (T-SQL, P-SQL) ★★★★½
- ▸ Web Development (RAD, VBA, VB.Net, PHP, CSS, Javascript) ★★★½☆
- ▸ Python ★★★☆☆
- ▸ Powershell, Batch and Bash Script ★★★☆☆

ERP E/R Data Models

- ▸ SAP R/3 ★★★★☆
- ▸ Salesforce ★★★☆☆
- ▸ JDE Enterprise One ★★★☆☆
- ▸ Great Plains ★★★☆☆

Tools

- Project Management: Microsoft Project, Redmine and Confluence ★★★★⯪
- Issues Mgt: Azure DevOps, TFS, Redmine & JIRA ★★★★⯪
- Website Mgt: IIS Manager 7.5, Wamp ★★★★⯪
- Database Mgt: Readgate SQL Toolbelt ★★★⯪☆
- IDEs: SSMS, Oracle SQL Developer, Visual Studio Code, PyCharm, Google Colab ★★★⯪☆
- Source Control: Azure DevOps, TFS, Git, SVN, Tortoise, AnkhSVN ★★★⯪☆
- Jupyter ★★★☆☆
- Stress Testing: Microsoft WACS ★★★☆☆
- Performance Monitoring: PerfMon, Dynatrace, Fiddler ★★★☆☆
- PowerApps and Power Automate ★★★☆☆

Operating Systems & Servers

- Microsoft Azure, Windows Servers 2000-2016, Linux Fedora 35 ★★★★⯪
- IIS 5.0-7.5, Apache Tomcat ★★★⯪☆
- Virtualisation: Microsoft Virtual PC, VMWare, Oracle Virtual Box, Boxes.. ★★★☆☆

Industries & Business Acumen

- Logistics & Parcel Delivery (Data Architecture, CRM, Strategic Metrics, Data Science Optimisation Models, SOPs, Revenue Protection). ★★★★☆
- Recruitment industry (Data Architecture, CRM, Financials, Customer Retention, Lead Generation, Strategic Metrics & BI). ★★★★☆
- Rolling Stock Services (Data Architecture, MRP, Financials, Service Management Planning, Plant Maintenance, Strategic Metrics & BI). ★★★★☆
- Rolling Stock Manufacturing (Data Architecture, Strategic Metrics & BI). ★★★★☆
- Fintech and Capital Markets (Exchanges and Brokers). ★★⯪☆☆

Functional Knowledge

- Marketing ★★★★☆
- Management and Financial Accounting ★★★★☆
- Customer Service ★★★★☆
- Sales ★★★★☆
- Service Management ★★★★☆
- Human resources ★★★★☆
- Logistics and Transport ★★★★☆
- Trains and Traffic Management ★★★★☆
- Treasury Management ★★☆☆☆
- Brokers and Exchanges ★★☆☆☆

Languages

- French: mother tongue ★★★★★
- English: bilingual ★★★★★
- Portuguese: basic conversational ★⯪☆☆☆
- German: basic conversational ★⯪☆☆☆

Education

DBT Program
Udemy
January 2022 to March 2022

Online Machine Learning
Stanford University School of Engineering
March 2019 to May 2019

from Andrew Ng

Persuasive Dialogue
Onsite
December 2012

Socrates Method, "Listening" to understand.

Business Intelligence Training
itelligence Group
June 2011

on-site training on Microsoft SQL Server 2008 Business Intelligence

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PRINCE2 Registered Practitioner (2010)
Datrix (Candidate no P2R/753984)
August 2010

Methodology to deliver desirable, justifiable, and feasible projects in a controlled environment

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Business Intelligence Training
itelligence Group
May 2003

Classroom & on-site training on SQL Server 2000 BI & Crystal Reports XI

Business Systems Analysis
Pentland Training
January 2002

On site course Fact Findings, Dataflow Diagrams, Data Modelling.

MBA European Business
Coventry University, UK
January 2000 to June 2001

Corporate Finance, Statistics, Marketing, Information Technology.

Maîtrise Sciences de Gestion (MSc Finance)
Université de Caen Basse Normandie
September 1998 to December 1999

Management Accounting, Fiscal Law, HR Management, Marketing, Statistics.

DUT GEA (Diploma in Business & Finance Studies)
IUT Angers (France)
September 1996 to June 1998

Financial Accounting, Financial Analysis, Statistics, Data Modelling.

Interests

Sports

‣ Athletics 800m - international masters competitions

‣ Sailing

Achievements

‣ Gold medal winner at Masters Athletics European Championships in M40 age group (2019)
‣ DX Group plc Innovation Awards winning team for ETA Solution (2015)
‣ 1st Prize winner at Robert Half worldwide «Hack Day» with Salesleader Web BI Mashup (2010)
‣ Alstom High Potential Program entry (2002)
‣ Team win at French universities business simulation championships "Olympiades de Gestion" (1999)
‣ Team Lead for Angers University at sailing "Course Edhec" - team of 15 (1998)
‣ Team member for Lycée St Louis at sailing "Course Edhec" (1996)

Portfolios

Recommendations (Linkedin 1/2)

Recommendations   Ask for a recommendation ✎

Received (5)   Given (2)

Stephen Barry
Royal Mail
November 13, 2016, Frédéric worked with Stephen in the same group

It's so refreshing to collaborate with people that make things happen. Frederic is a shining example of leading tangible, useful, change. His contribution to continuous improvement is outstanding and appreciated by so many colleagues and - without them necessarily knowing so - by customers too.

Furthermore, Frederic's appetite for developing beneficial data solutions for customers is not diminished by budgetary or technological limitations; he will find a way, whatever the constraints.

Frederic is an immensely talented man who galvanises skilled resources in a highly effective way. What's more, he is incredibly easy to work with. **See less**

Recommendations (Linkedin 2/2)

Business Intelligence Team Leader
Robert Half International

Martin Sumner
Database Solutions Architect

" I began working with Fred just under two years ago and since that time Fred has been integral to my growth and development within my new role. As team leader on a number of projects we have completed he has helped to accelerate my understanding in a many areas including business intelligence, agile methodologies and web development.

Fred has an unyielding enthusiasm and passion for everything he does which has a highly motivating impact on those who work with him. Where a solution requires the acquisition of new skills and knowledge he does so quickly and with ease. I have seen this demonstrated first hand during hack day projects which have seen some remarkable innovations created in just a few days. **less**

February 27, 2013, Martin worked directly with Frederic at Robert Half International

Alex Moyle
UK Staff Development Director at Robert Half Finance & Accounting

" Fred has a great desire to deliver to the needs of the business.
His creativity is an asset to all as he translates the technologies at his disposal and how they can be deployed to maximise benefits for the organisation.

December 7, 2012, Alex managed Frederic indirectly at Robert Half International

Rick Towers
Business Director - Customer Services at Robert Half Finance & Accounting

" When looking to augment and enhance our country-wide Customer Loyalty Programme, we needed to map; design; build and user test a pilot programme to develop a robust proof of concept. Fred was a key individual identified from the onset and a key member throughout, actively contributing to and helping shape the programme and a number of additional functions/ features.

The CRM database and reporting functionality was built on budget and to schedule and the reporting and MI gave such insight that the programme was upscaled and deployed with a significant business impact. Throughout, Fred brought a strong balance of technical and systems knowledge, whilst understanding the needs of the business to translate a 'system' into a 'programme' that could be harnessed to accelerate our Customer Loyalty Programme and drive profitable growth.

Fred is a loyal, hard-working and dedicated professional, and happy to push boundaries and thinking to stretch possibilities. I would have no hesitation in recommending Fred. **less**

November 28, 2012, Rick managed Frederic indirectly at Robert Half International
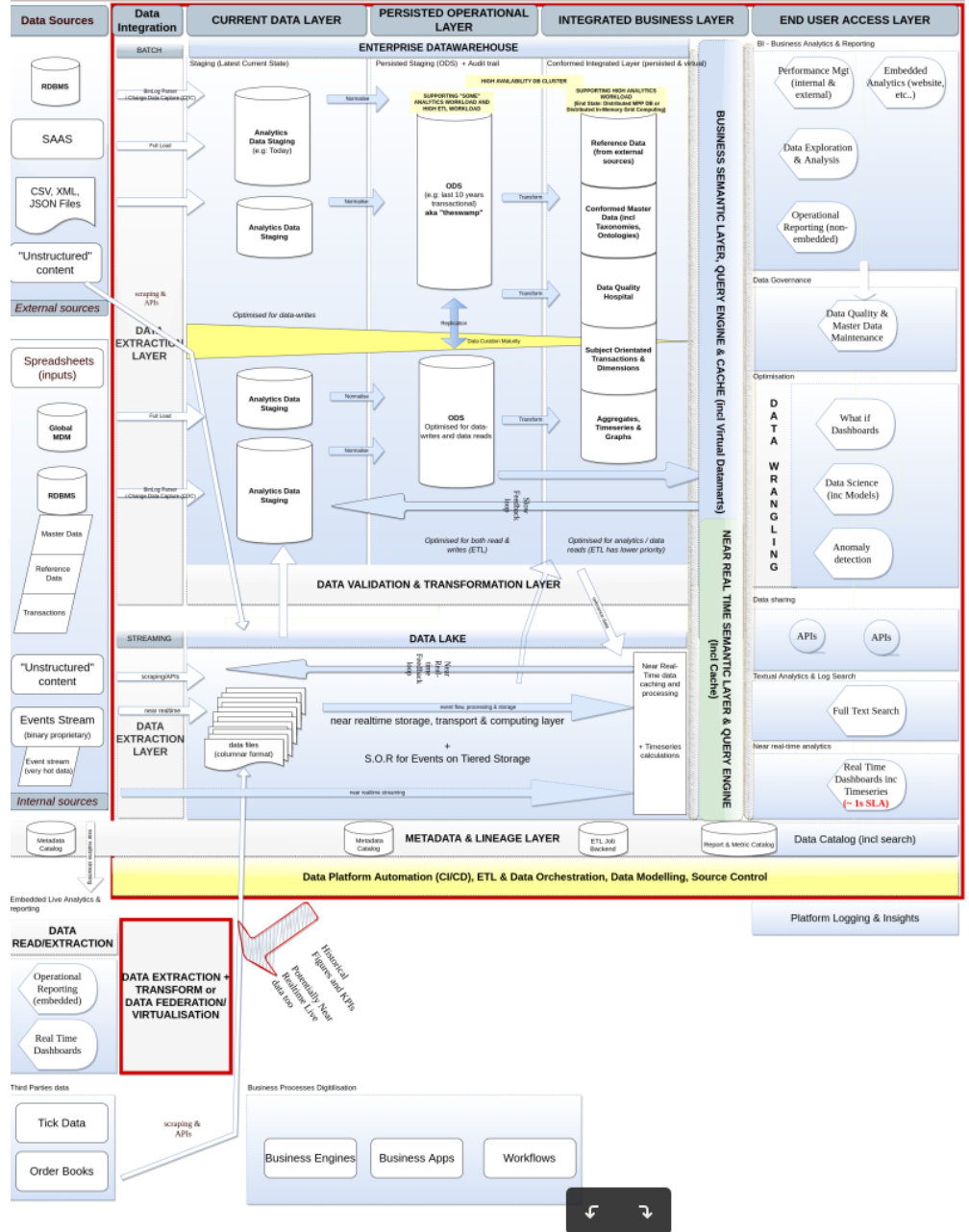
Big Data Streaming Platform Reference Architecture

XXX Streaming Data Analytics Pipeline - Reference - Target TO BE
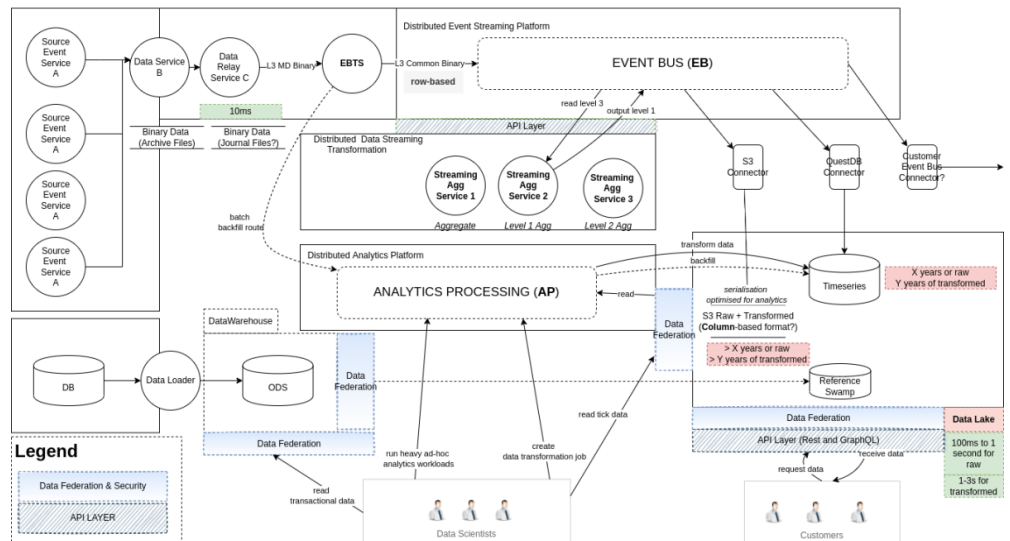
Modern Data Platform Reference Architecture

- ‣ Batch and Streaming data pipelines.
- ‣ Reference and Physical Architectures.
- ‣ Cloud and On-Premise versions.
- ‣ Kappa and Lambda versions.

Recommendations - SalesLeader BI Web Mashup - International President

From: Greg, President International Staffing Operations
Sent: 01 November 2010 15:05
To: Christy (HQP);   Nigel [UK];   Lars (HQP);   Alan (AUS);   Bob [UK];   Michelle (UK)
Cc: Sean (HQP);   Mike (HQP);   Paul (HQM);   Elena (HQM);   Andrew [UK];   Con (AUS);   David;
             Phil [UK];   Ian [ICO]
Subject: Hack Day App - Impressive!

All,

We had the opportunity to view Fred Tremblay's Hack Day winning prototype app last week in London. In short it was extremely impressive and in my mind an example of how using existing resources, keeping it simple can deliver an incredibly useful tool to the field organization to make more placements.

It's use of existing systems and data combined with externally available web based resources such as google earth, Linkedin and other social media highlights that we do not need to build hugely complex and expensive systems to provide workable solutions to the front line sales force.

I think this highlights an opportunity for us to re-examine how we gather and use sales data. Perhaps we should be thinking more deeply about how we leverage what we already have and what is available in the public domain? I am sure that I am over simplifying this?

At the very least I would encourage Alan, Lars, Christy, Nigel, Fred, Bob and Michelle to come together to discuss.

A big well done to Fred for coming up with an outstanding idea that could re-shape how we think about our systems use as we go forward!

Greg
President
International Staffing Operations
Robert Half International Inc.

Bespoke Data Governance Portal

Central portal for managing data governance activities (glossary of terms, issues list, link to reports, etc..)

Creation date

07 Apr 2017

BI - SalesPilot Xcelcius Flash Dashboard - Screenshot

Objectives:
- Help Field staff better understand how their rewards are calculated.
- Help Field staff increase their rewards by modelling the impact of changes in key metrics.

Solution:
An interactive dashboard allowing What If Analysis.

Demo:
- Right click attachment, Save As, then open in Acrobat Reader.
  - Use the sliders to model future reward levels.

Technology:
- T-SQL, Excel, Xcelcius, Flash
- Development IDE: SQL Server 2008, Crystal Presentation Design (Xcelcius)
  - Demo: Flash file embedded in PDF.

BI - SalesLeader Web Mashup - Screenshot

*** Internal HackDay 2010 Winner *** in category "That's How We Make Money"

Objectives:

- Reduce time spent collating client information.
  - Provide new leads and gain new business.

Solution:

- Provide a single view of internal and external contextual client information.
- Web BI Mashup solution linking internal client information with web information.

Technology:

- IIS 7.0, Crystal Reports XI
- HTML, Javascript (Googlemaps API, Linkedin API, Kompass API), T-SQL, Classic ASP.
- Development IDE: RAD page generation in ASPRunnerPro 7, Mashup edition in WebMatrix, Database work in SQL Server 2008.

In 2009, Corporate Services hosted their first ever "IT Hack Day." The event offered our IT teams the opportunity to imagine and create innovations that could improve job functions or company systems. The results that first year included 60 registered ideas or "hacks" and participation from more than 300 employees who voted for their favorite entries.

"Due to the success of the 2009 IT Hack Day and the positive feedback we received from the event, we decided to invite all of our Corporate Services departments worldwide to participate in the 2010 event," said IT program manager Hack Day was going on tour.

The theme was "Hack Star 2010," and the event encouraged our internal employees to think outside the box, with no restrictions, of what they could invent if given the right resources. Thirty-seven hacks were registered from all departments across Corporate Services. Voting was online so that our teams around the world could cast a ballot. The top 15 hacks were then presented to an executive panel of judges, and, sticking to the rock-star theme, Platinum and Gold "record" winners were selected in multiple categories, including an Overall Hack Day Winner.

"What's so great about conducting an event like Hack Star is that you give people the time and opportunity to put together solutions for companywide issues without limitations," said senior director of Enterprise Shared Services who brought the initial concept of Hack Day from a similar event she conducted at a prior employer. "Innovation is what keeps us pushing forward as an organization, but also what helps us remain passionate about what we do."

The Platinum award recipients have since been sponsored by an executive judge and are working with approved budgets to possibly implement their ideas companywide.

Frédéric Tremblay

Overall Hack Day Winner
Wingman

That's How We Make Money!
SalesLeader

The team: European business systems analyst Frédéric Tremblay

Sponsored by:

Description: SalesLeader is a web mashup application, which pulls information from various internal and external streams to provide relevant and much more targeted client information.

Status: Under review for possible prototype development in the United Kingdom.

Why Haven't We Done This Already?
Conference Room Availability Utility

It Wouldn't Suck If We Did This
So That's What You Do

CareerApp Mobile Android App - Screenshot (Nexus 7)
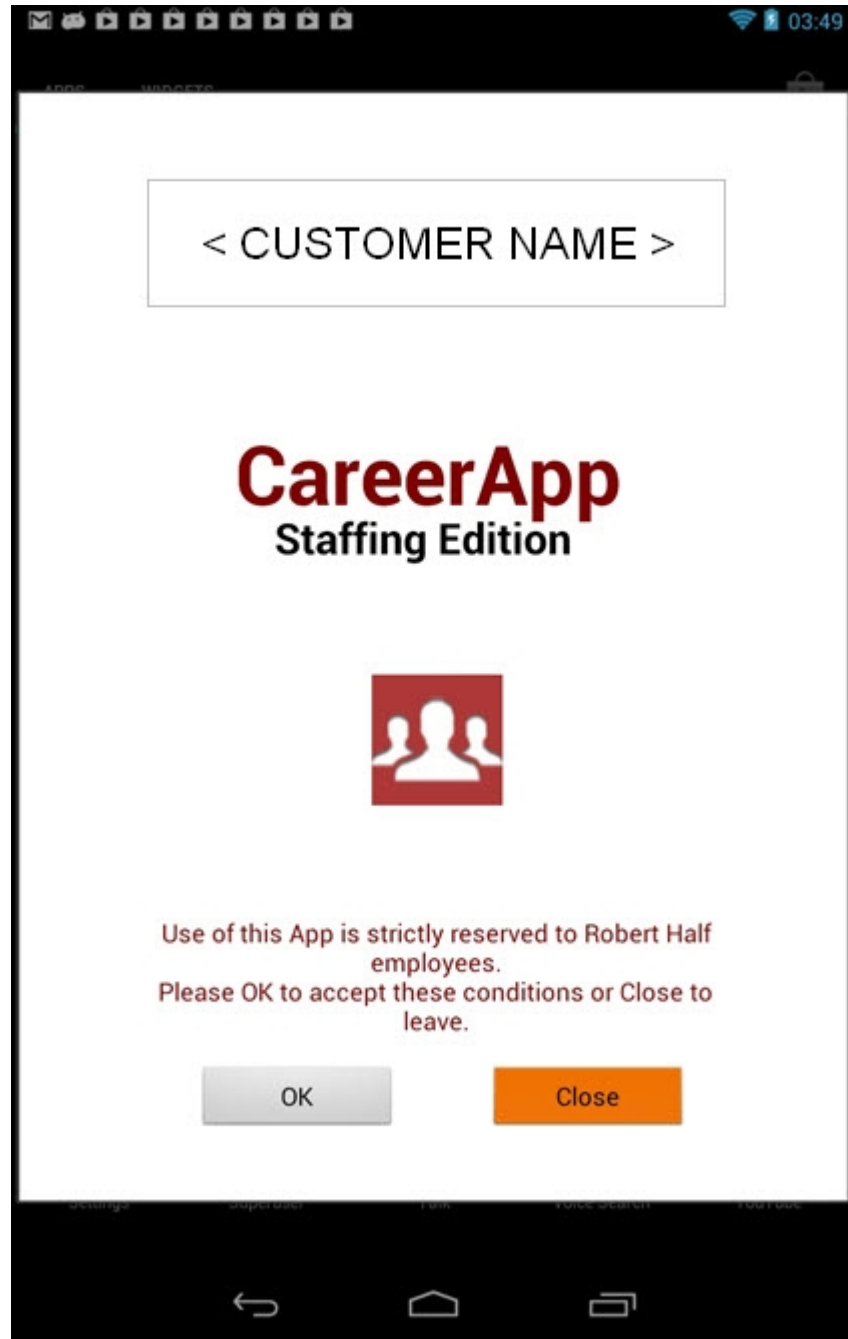
*** Internal HackDay 2012 Top 10 hacks ***

Objectives:
- Provide field staff with mobile access to career path browsing (on tablets & phones).
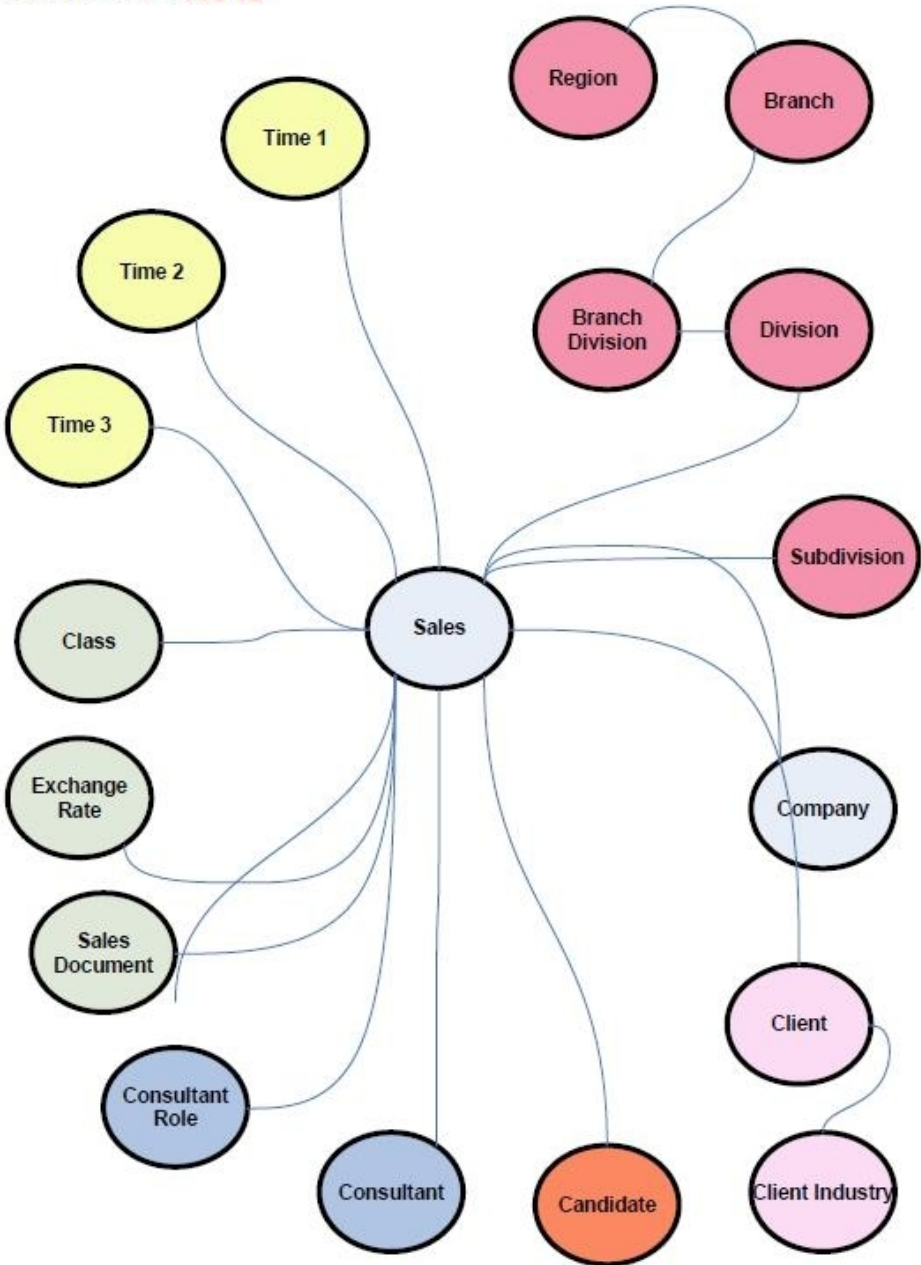   - Provide access to learning content on mobile devices.

Technology:
- Android Ice Cream Sandwich, Javascript, HTML, SQLite
- Development IDE: Windev Mobile 12, Eclipse, SQLite Database Browser
    - Demo device: Nexus 7 Tablet & HTC Desire Phone

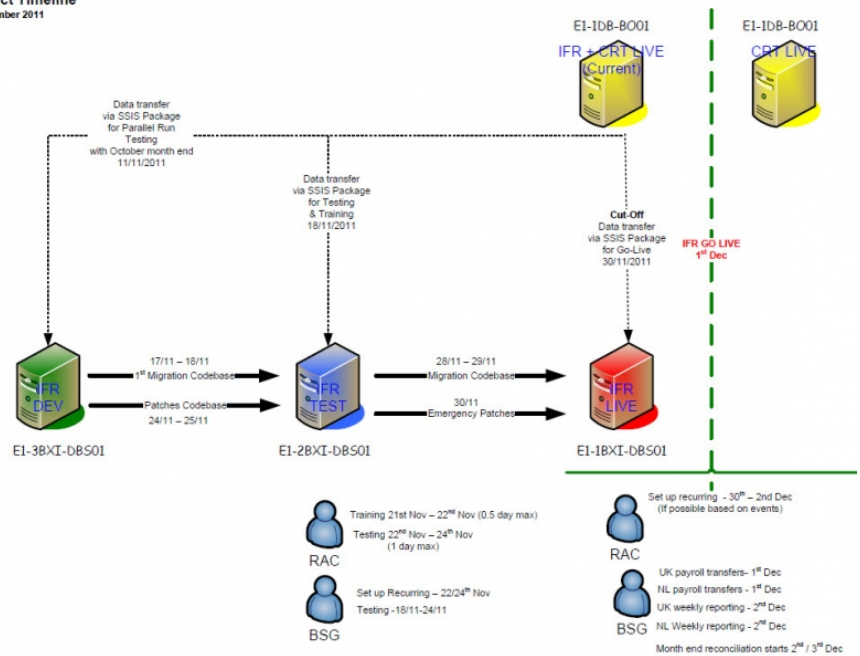# Model - BI Logical Model - Recruitment Enterprise DataWarehouse

**Sales Star Conceptual
Data Model – AS IS**

BI - Migration Plan - BO XI to BOE 3.1

BI Upgrade Project Timeline
November – December 2011

E1-1DB-BO01
IFR + CRT LIVE
(Current)

E1-1DB-BO01
CRT LIVE

Data transfer
via SSIS Package
for Parallel Run
Testing
with October month end
11/11/2011

Data transfer
via SSIS Package
for Testing
& Training
18/11/2011

Cut-Off
Data transfer
via SSIS Package
for Go-Live
30/11/2011

IFR GO LIVE
1st Dec

IFR DEV
E1-3BXI-DBS01

17/11 - 18/11
1st Migration Codebase

Patches Codebase
24/11 - 25/11

IFR TEST
E1-2BXI-DBS01

28/11 - 29/11
Migration Codebase

30/11
Emergency Patches

IFR LIVE
E1-1BXI-DBS01

RAC
Training 21st Nov – 22nd Nov (0.5 day max)
Testing 22nd Nov – 24th Nov (1 day max)

RAC
Set up recurring - 30th – 2nd Dec
(if possible based on events)

BSG
Set up Recurring – 22/24th Nov
Testing -18/11-24/11

BSG
UK payroll transfers- 1st Dec
NL payroll transfers - 1st Dec
UK weekly reporting - 2nd Dec
NL Weekly reporting - 2nd Dec
Month end reconciliation starts 2nd / 3rd Dec

BI - Archimedes - Custom BI Web Portal

Address http://www.reportportal.washwood.uk.transport

ARCHIMEDES
Decision Support System

REPORTING   TRAINING   SUPPORT   ABOUT

System Landscape
Demos
Request Login
Helpdesk

Welcome to the Archimedes Decision Support System Portal.
The main objective of Archimedes is to provide employees with the information they need to take decisions.

Decisions are taken from "information" which is "data" presented with contextual attributes.
Therefore "Data" is automatically fed into the system on a weekly basis from various source systems (RAILSYS, CINCOM, RaMaSiS), Master data is managed by Key Users.
The system then turns data info meaningful information which is visualised in "reports".
There are reports for every tastes: lightly formatted - highly flexible reports which have been developed by data analysts on an ad-hoc basis and "standard" highly formatted reports.

Reporting
Whether you are a data analyst, a manager, looking for a quick answer, or easy-to-use visualisation tool to discover trends / patterns in your information, there will be a taylored reporting tool for you:
- System Landscape: What information is available in the system and what are its boundaries
- Ad-Hoc Reporting: lightly formatted reports which are highly customisable. Developed by Key Users for the use of most information users. Filters can be applied at runtime by the viewers.
- Standard Report: highly formatted reports which are not very customisable. Developed by Key Users and Project Team for the use of information users who are looking for a professionnal look and feel handout.

Last Refresh Times from RAILSYS, CINCOM, RAMASIS
Last DataWarehouse Refresh Dates:
- Sourcing: 11/09/2005 (Purchasing Order, Goods Movement, Stock DataMarts).
- Service Management: 12/09/2005 (Reliability, Work Done, Distance DataMarts).

Latest News
12/09/2005: Data from Chester 175 Contract now available for testing in Reliability and Distance Datamarts.
16/08/2005: Long Text now available in Reliability DataMart.
15/08/2005: New report on Invoice OTIF.

Custom-built BI Web Portal.

Objective: Provide an integrated BI Portal for two BI platforms, centralise helpdesk access, documentation and evangelise about BI Process.

Technology
  ‣ Portal was built in DHTML with CSS
‣ It integrates a Crystal Enterprise 10 platform (former SAP BOE) with an OLAP Web Portal called ReportPortal http://www.reportportal.com

DataWarehouse & BI - Custom Web Maintenance Portal
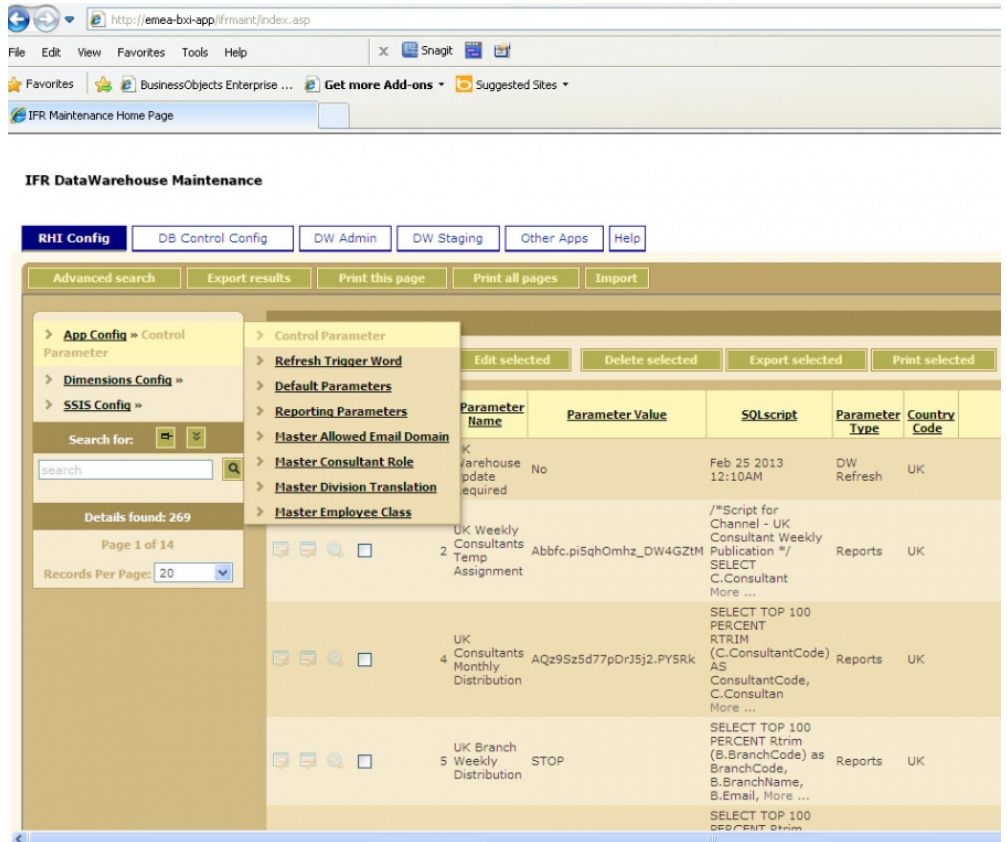
Objective:
- ‣ Provide a configurable & easily maintainable datawarehouse environment.
    - ‣ Provide a single central point of configuration.
  - ‣ Configure the environment in a controlled auditable manner.

Solution:
- ‣ DataWarehouse built for maintainability via configuration paradigms.
   - ‣ Web User Interface to configure most parts of the system.

Configuration Web screens:
- ‣ SSIS ETL flow.‣ SQL Server Jobs Schedule.‣ SQL Server Jobs Enabling/Disabling.
    - ‣ SQL Error Notifications Email Limits.‣ Multi-tenant ETL Generation.
  - ‣ Master Data & Dimensions Data Enrichment.‣ BI Report Distribution Lists.
      - ‣ BI Report List of Values.

Read-Only Web Screens:
- ‣ Master Data & Dimensions Lookup Tools for end-users.‣ SSIS Error Logs Reader.

ETL - Dynamic Configuration-Driven ETL Execution
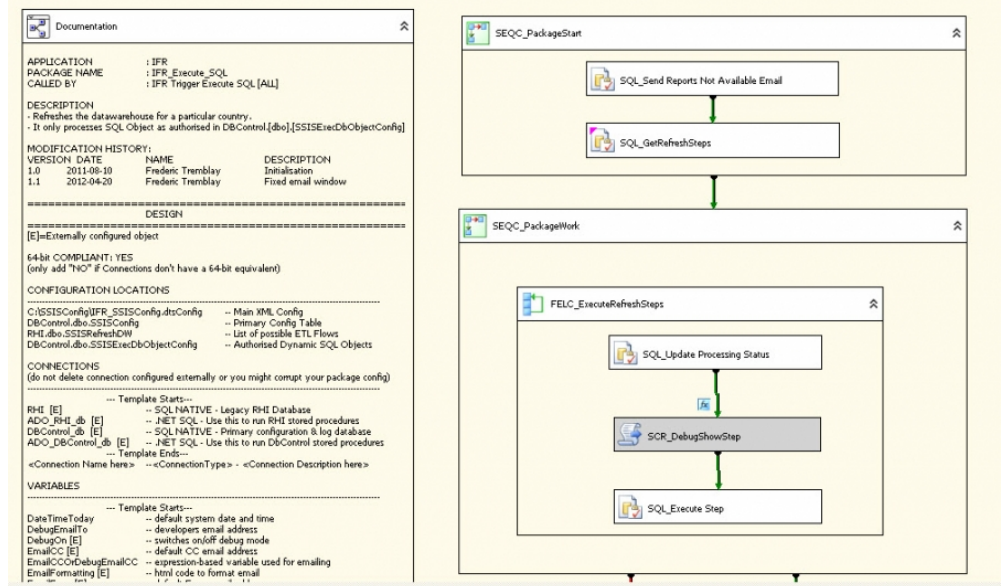
Objective:
- Reduce reliance on hardcoding for ETL Flow in the Execution Engine.
    - Trim down number of SSIS Packages from 13 to 1.

Solution:
ETL dynamic execution via an SSIS ForeachLoop container deriving ETL steps dynamically from a configuration table.

Technology:
- Classic ASP Web UI to configure the ETL flows in a normalised table.
    - SQL Server 2008 SSIS to execute the ETL flows.
- SQL Server 2008 Job with parameterised SSIS Package Execution Step.

EAI - Interfaces
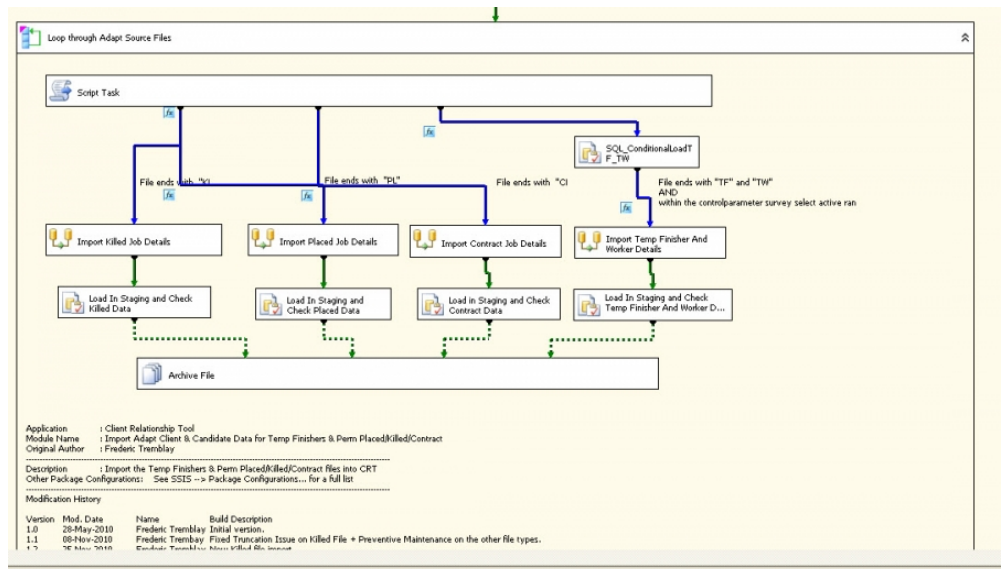
Objective:
Build an automated interface between two back-office systems.

Solution:
SSIS package uploading interface files and populating a database.

Details:
- Conditionnal Precedence Constraints with Expressions. C# Script debugging task.
    - Database-side Environment-specific Package configuration.
- Expression-driven File System Tasks. Custom Error Event Handlers.

ETL - Template

Objective:
Standardise SSIS Package Development.

Solution:
SSIS Package Template under source control.

Details
- Standard Documentation container.
- Most used Database Connections.
- Standard Naming Convention.
- Standard Logging configuration.

ETL - Dynamic Configuration-Driven ETL Generation (Multi-tenant DataWarehouse)
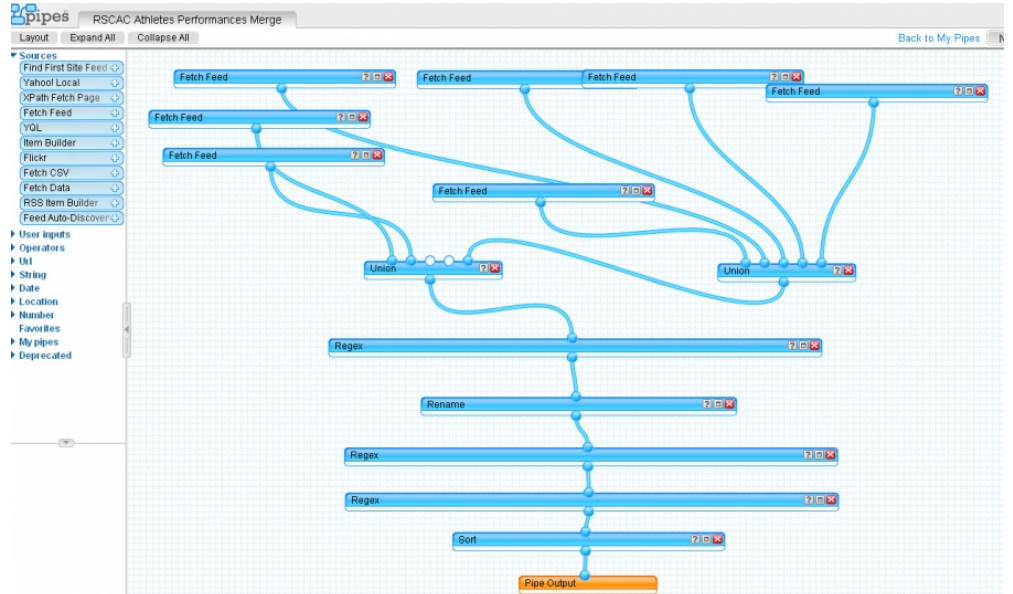

Objective:
   Reduce ETL scripting workload for each of the DataWarehouse tenants (countries).

Solution
               ETL scripting automation via a central Template model.

Technology:
- SQL Server 2008 Schemas, Stored Procedure (Dynamic T-SQL).
- ASP Web UI.

ETL - AthleticStats - Athletics Results Web Mashup

Objective:
Provide an Athletics Website with a live feed from PowerOf10 result online portal.

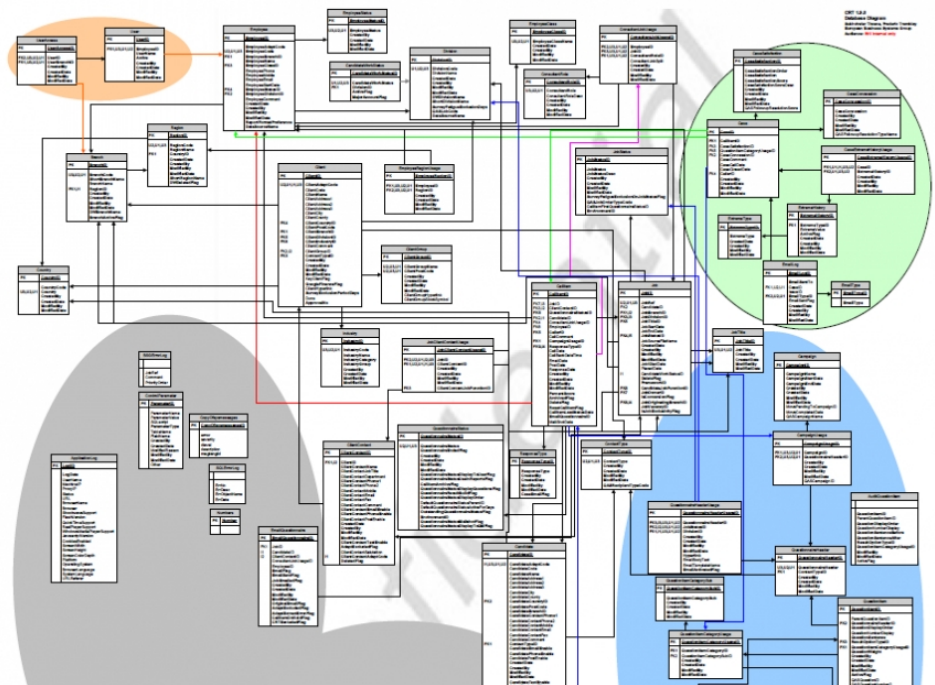Solution:
RSS mashup populated by web crawlers

Technology:

- Feed43 Web crawling into XML.
- ETL Yahoo! Pipes for XML Feed Data Cleansing and Aggregation (Regex, Union, Rename).
- Display in Wordpress RSS Widget.

Website

http://www.rscac.co.uk

Model - Database Physical Model - CRM Application

Custom-built Web CRM Quality Assurance system with BI module.

Objective:
Increase Client Loyalty and Gain New Business by better engaging with customers about service quality.

Technology:
- 100+ tables SQL Server 2008 database in a fully normalised model.
- data model designed and forward engineered with Oracle SQL Data Modeler.
- Reverse Engineered and documented in Visio Professional for better rendering.
- SQL Server 2008 Triggers, Stored Procedures, Partitions, Indexes, Constraints, Schemas.
- 1 database for Transactions Processing.
- 1 database for ODS reporting.
- EAI Interfaces built in SSIS.
- Data Entry via ASP pages generated by RAD tool and customised in Visual Studio 2008.
- BI Reporting module built in SAP Business Objects Enterprise 3.1
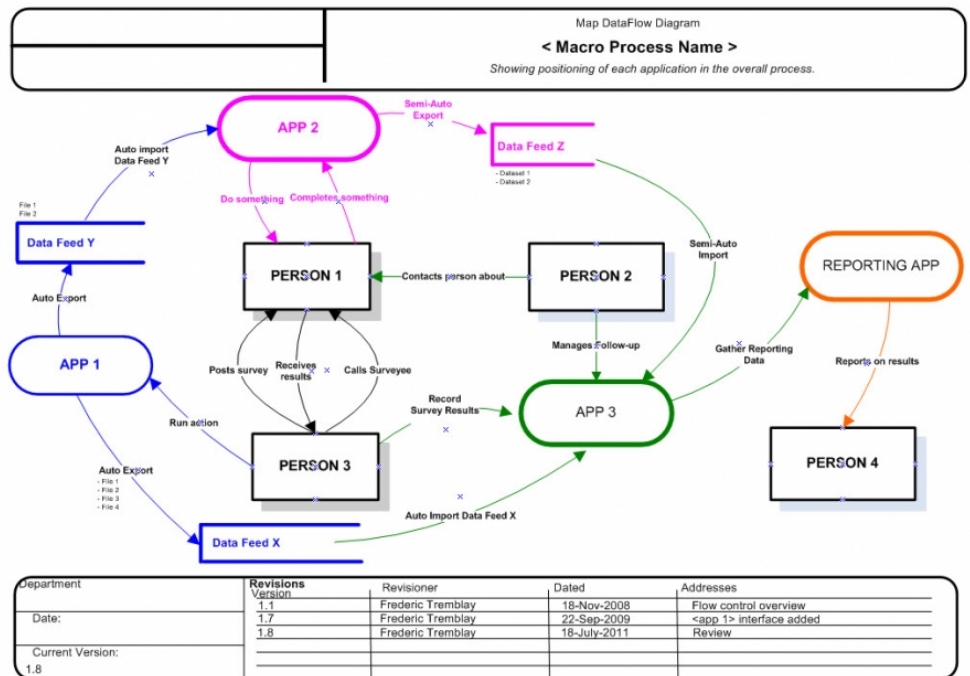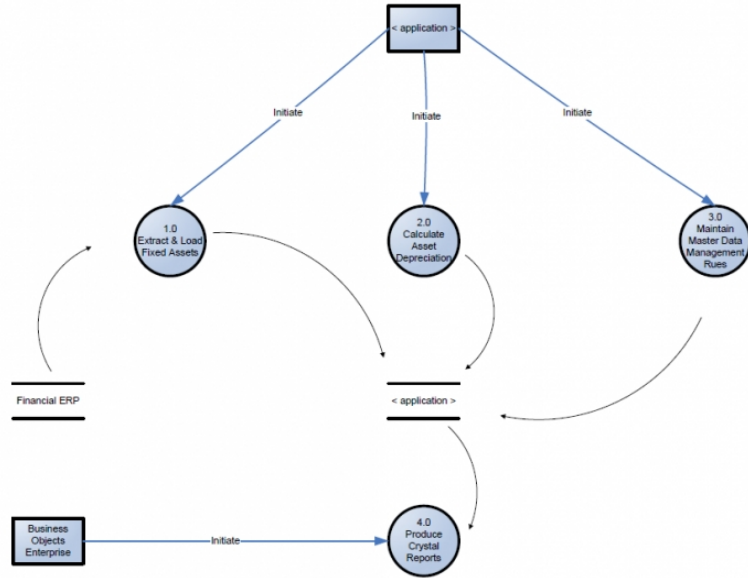
DataFlow Diagram - CRM Application

Diagram - DataFlow - Fixed Assets Gaap Reporting Application

Custom-built Fixed Assets US Gaap Reporting System.

Objective:
Better model fixed assets depreciation on US, International and Local Gaaps to choose the most tax-efficient depreciation method.

Technology:
- 15+ tables SQL Server 2000 database in a fully normalised model.
  - Triggers, Stored Procedures, Indexes, Constraints.
- 1 database for Transactions Processing.
- EAI Interfaces built in Microsoft DTS.
  - Data Entry and Configuration via MS Access Project.
- BI Reporting module built in SAP Business Objects Enterprise XI.