

## Key Benefits

- A scalable platform with very high availability
- Very efficient access to the most recent online data
- Automation workflows with data integration
- Data consistency vision
- Program execution optimisation
- Complete traceability
- Monitoring costs divided by three

« The UK Home Office was first attracted by our very competitive prices. Then, project partners particularly appreciated the reliability and the agility of our solution, featuring rich and flexible interfaces to existing systems. »

**Denis Caromel**  
 Founder and CEO of ActiveEon



## Home Office

### The Business Intelligence Cloud Challenge

To issue an entry visa to foreigners is no longer a matter of paper forms. The United Kingdom Home Office is updating the process to accommodate with the growing migrant flows and with many rules, including « digital first ».

Open source software are involved in the business intelligence platform, with proven and well supported components in the cloud computing and big data environment. « The Home Office digital Immigration Platform Technologies have recently received several awards, including one from the British Computer Society about cloud technologies best practices. The online application service for visas relies our solutions ProActive Workflows & Scheduling and Cloud Automation», says Denis Caromel, founder and CEO of ActiveEon software vendor.

Defined by PA Consulting Group, the online platform architecture simplifies the integration, then the parallel processing of big data coming from multiple sources. In a Business Intelligence environment where security is critical to assign each visa, the goal is to provide a consistent and coherent view of all user transactions. This structured and automated view is built in real time thanks to workflow synchronisation and cloud scheduling tools from ActiveEon.

### The IT Solution and Partners



ActiveEon software ProActive Workflows & Scheduling,  
 Cloud Automation



ETL (Extract Transform & Load) from Talend



Skyscape Cloud Hosting



Red Hat Enterprise Linux and PostgreSQL DBMS servers



Architecture by PA Consulting Group; Mastek Integration



Workload tests and validation by The Test People



Infrastructure, architecture, tests and validation by IBM

## A complex web project

Data access frequency is very high and decisive for the quality of services needed by the Home Office Visa and Immigration, dealing with a large variety and diversity of data flows. Therefore, a Shared Services Bus and a Common Data Platform have been designed. Fifty types of process have been defined with the support from the ActiveEon experts. Each process can consist on one hundred of independent tasks, all being executed in parallel on a secured cloud infrastructure. The ActiveEon solution automatically schedules and orchestrates the execution of each program, with an occasional rhythm of five minutes.

**UNITED KINGDOM HOME OFFICE**

Visas and Immigration

**HEADQUARTERS**

2 Marsham Street, London SW1P 4DF

**ACTIVITY**

Created in 1782, the United Kingdom Home Office is managing public order, immigration and security. It is also fighting against terrorism, crime and drugs in.

**KEY FIGURES**

- 33 701 EMPLOYEES
- 12,8 BILLION £ AS BUDGET (2014)
- 318 000 NET MIGRATION IN 2014
- +52% IN 1 YEAR\*

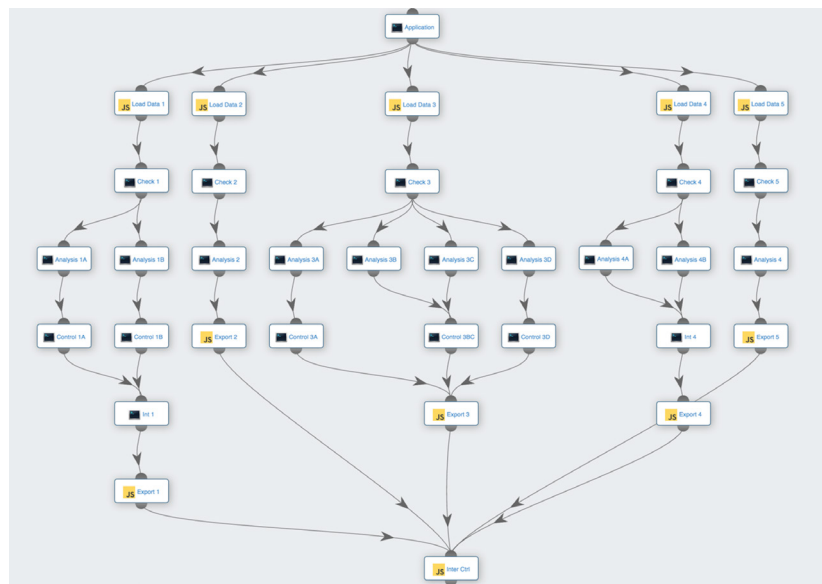
**Key Features of the ActiveEon Products for the customer case**

- Workflows to radically ease treatment parallelization
- Rich, flexible interfaces
- Deployment of complex services and multi-VM applications
- Equipment and heterogeneity management
- High Availability and DRP Configuration
- Auto-scaling on external resources to insure system availability and peak-loads
- Infrastructure and Application Monitoring: SLA, QoS...

**An agile approach**

The agile delivery approach, a significant cultural change for IT professionals, increases the frequency of new software versions. Moreover, the end-users constant involvement accelerates the new online services workflow. Neil Butler, the Home Office Immigration Platform Technologies Manager, appreciates the tool chain capability and scalability.

Indeed, the functionalities provided by both ActiveEon software are covering the essential steps in programming design, development, deployment and administration, throughout the whole application lifecycle. Following the agile project approach, « the Home Office Information System Department was able to test, to benchmark and to select the best software, during the project progress itself », explains Denis Caromel.



**ProActive Workflows & Scheduling simplifies the workflow definition and monitoring, and the distribution of programs on the infrastructure.**

**At a glance**

Thanks to ActiveEon, the UK Home Office not only saves money, but also time with shorter processing cycle by applicant, automatic data synchronization, reduction in requests for assistance and technical support, and automatic calculation of tax stamps with online payments.

**About ActiveEon**

ActiveEon delivers Open Source Solutions to Accelerate Big Data, Cloud and IoT programs, and to improve IT scalability and automatisations through parallel and distributed applications. ActiveEon improves government IT delivery, and companies time-to-market, providing major competitive advantages to the customers. ActiveEon has already raised significant money from international investors such as PACA Investissement, BA06, Nestadio Capital and Kima Ventures.

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