

## **Release 8.5 - the next generation of Allshare's Internet Banking solution in production**

We proudly announce that the newest release of Allshares Internet Banking, with many technological innovations and functional enhancements, has gone into production at one of our customers.

Load and stress tests have shown that horizontal scalability is linear. An excellent prelude to implementation in a scalable Cloud infrastructure. This release is currently being prepared, in collaboration with our strategic partner KPN Corporate Market, for installation as a Banking SaaS platform in their datacentres.

The front-end has been updated to make use of the new front-end technologies (JavaServer Faces, AJAX, Spring Webflow). New functionality has also been added such as the full support for the VASCO DP810 Smart Card CAP reader - EMV-CAP E compliance (Europay-Mastercard-Visa Chip Authentication Program Enhancements).

Online Channel solutions using channels such as internet and mobile require a very high level of availability. Our customer has therefore implemented a so-called full active-active environment across two locations. A unique feature of this architecture is that it allows our customers to upgrade even whilst the system is live. Customers who are logged in during the upgrade carry on working with the current version till they logout, whilst customers who login after the upgrade will use with the newest version of the application. 24/7 100% availability during maintenance of the infrastructure and the application is therefore possible.

### **Architecture highlights**

#### **Private cloud**

The Internet Banking (IB) platform is deployed within the private cloud of the Bank, on the IBM p7 AIX dual centre architecture.

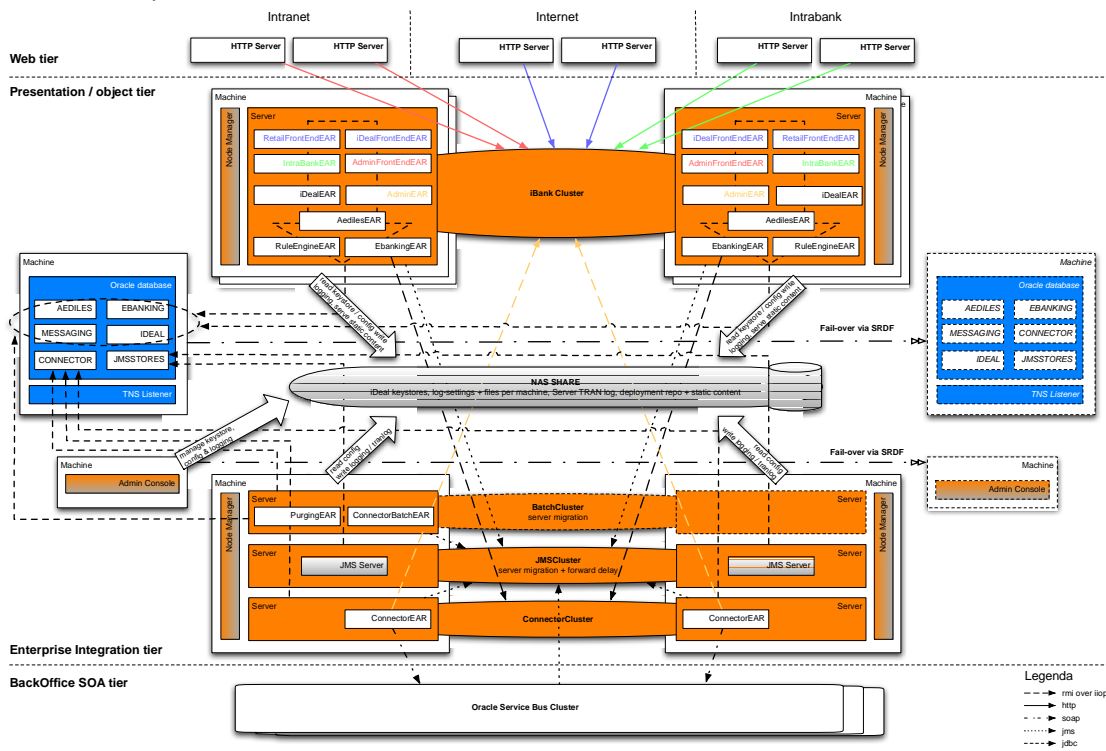
#### **Layers and Security**

Access to the system is functionally separated by the use of various access channels (Retail, Acquirer iDeal & Back-Office administration). Security and separation of responsibilities is implemented through the use of various layers (tiers) within the IB platform. The IB services and messaging interface seamlessly, via the Enterprise Service Bus, to the SOA environment of the Bank.

#### **Oracle platform central**

The Internet Banking platform is implemented on the Oracle 11g releases of the WebLogic Server EE on the Oracle database EE platforms, which are the standards within the Bank. All communication to and from the Back-Office systems for routing, format changes, monitoring and auditing is done using the

## Oracle Enterprise Service Bus.



## Features

- High Availability**  
*Failure of components without loss of service.*
- Active - active across 2 data centres**  
*Load balancing across 2 data centres for e.g. customer/iDeal Acquirer/administrative traffic, handling of JMS messages and the real-time interfaces for iDeal and user/token administrations.*
- Horizontally and vertically scalable**  
*By switching in and out resources (servers, CPUs, memory, etc) quickly, the required capacity is made available.*
- Split between real-time and batch processing**  
*Meaning that the processing of batches (e.g. MT940, reports, scheduled payments, purging of databases) on the Connector and batch servers have no impact on the channels (Retail, iDeal Acquirer & Administration)*
- Configuration management.**  
*By using a new deployment model configuration changes can be implemented quickly and in a controlled way and (if needed) rolled back.*

- **Support for live configuration and application updates**

*The weblogic side-by-side deployment features are supported by the application; this means that new version of applications(or configuration) can be implemented without downtime.*

- **Cluster support for batches**

*Flexibility in the active-active handling of HFILES and MT940 import files. Isolation of singleton processes such as reports, periodic- & scheduled payments and purging of data. Support of monitoring of batch status, execution times and results for IBM Tivoli.*

- **Platform ready for extension with mobile banking**