

Anatomy of a deal:

Openshift Enterprise @ Large Telco operator

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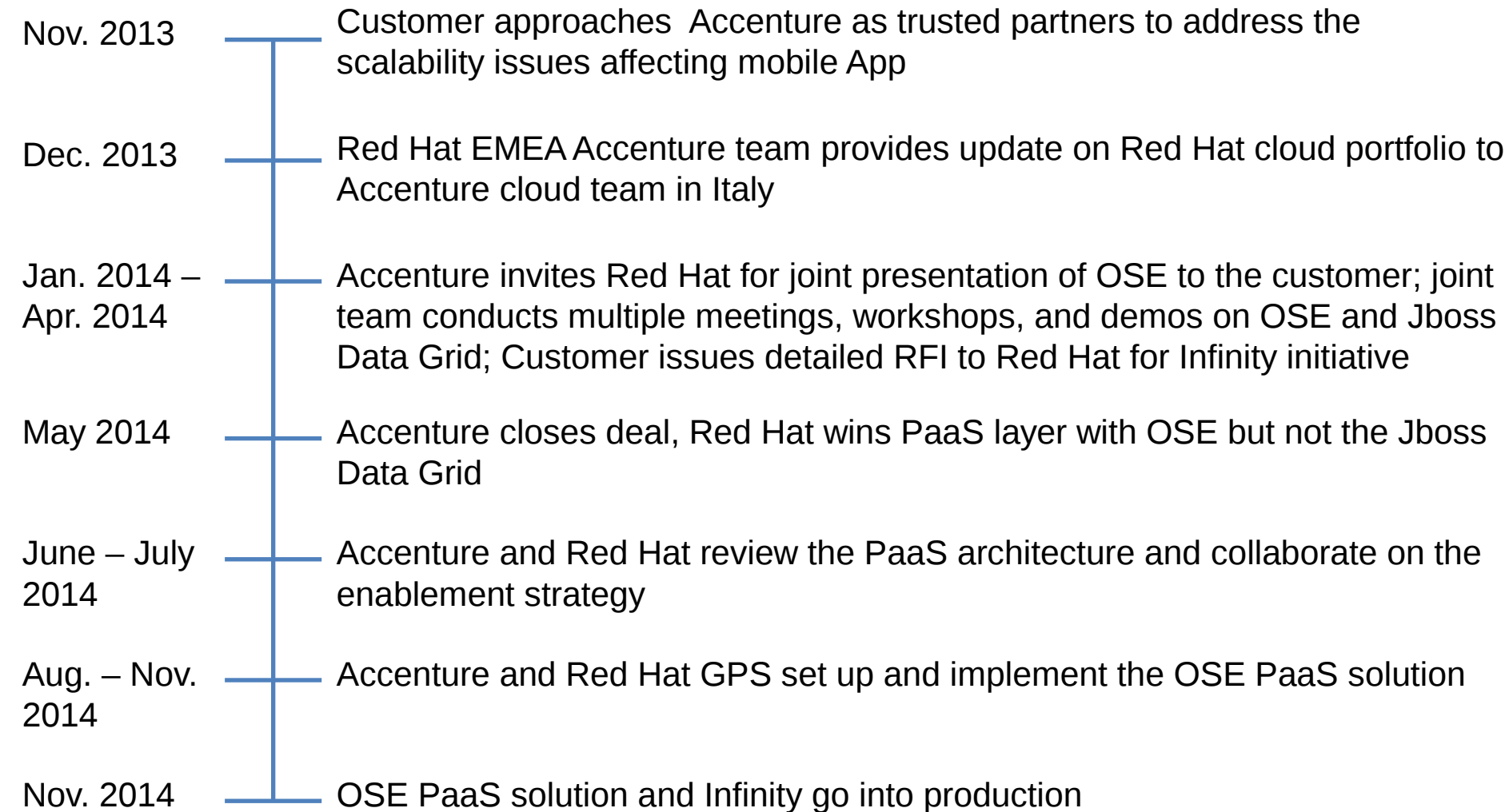
The Opportunity we uncovered...

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The customer “pain”

- The customer was experimenting critical issues (performance, stability and outages) on their main mobile application as well as on other **Web Applications**:
 - growing number of users & old architecture (main bottleneck is the backend Data layer)
- So in order to improve their overall Architecture, they have started an initiative
- They have identified 2 main enabling technology for the target architecture: **PaaS and In Memory Data Grid**) in order to:
 - decouple channels from back end systems
 - enable fast reaction to transaction peaks
 - reduce additional system integration costs in case of scaling
 - ensure High Availability against infrastructure SPOF for deployed applications
 - zero downtime along operations activity

How we became aware of the opportunity and **timeline**



The Opportunity we uncovered...

The competition we were facing

- **PaaS:**

- Oracle
- Pivotal CloudFoundry

- **Ourselves**

- New domain, new technology (OSE), very few customers in production env WW, basic knowledge of the product
- Red Hat's credibility as provider of PaaS solutions

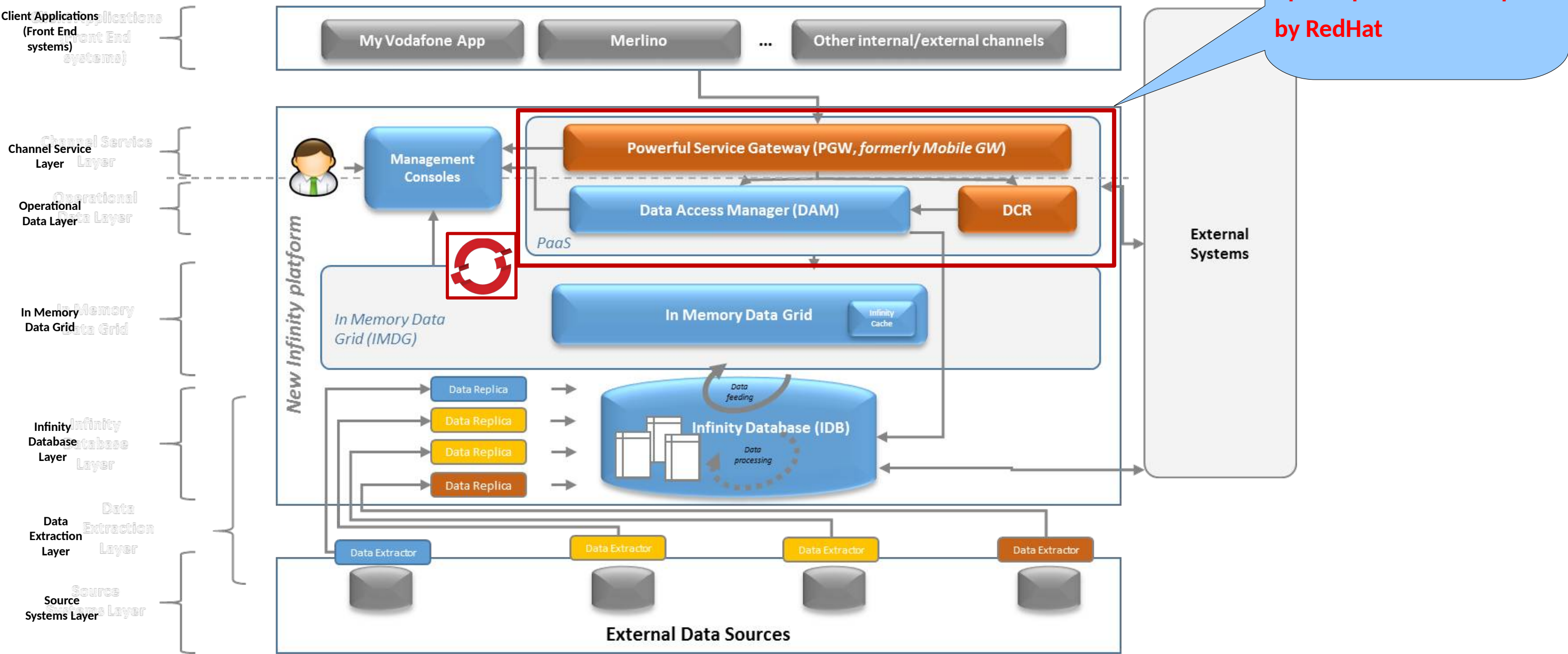
- **In memory data grid**

- Pivotal Gemfire
- Oracle Coherence

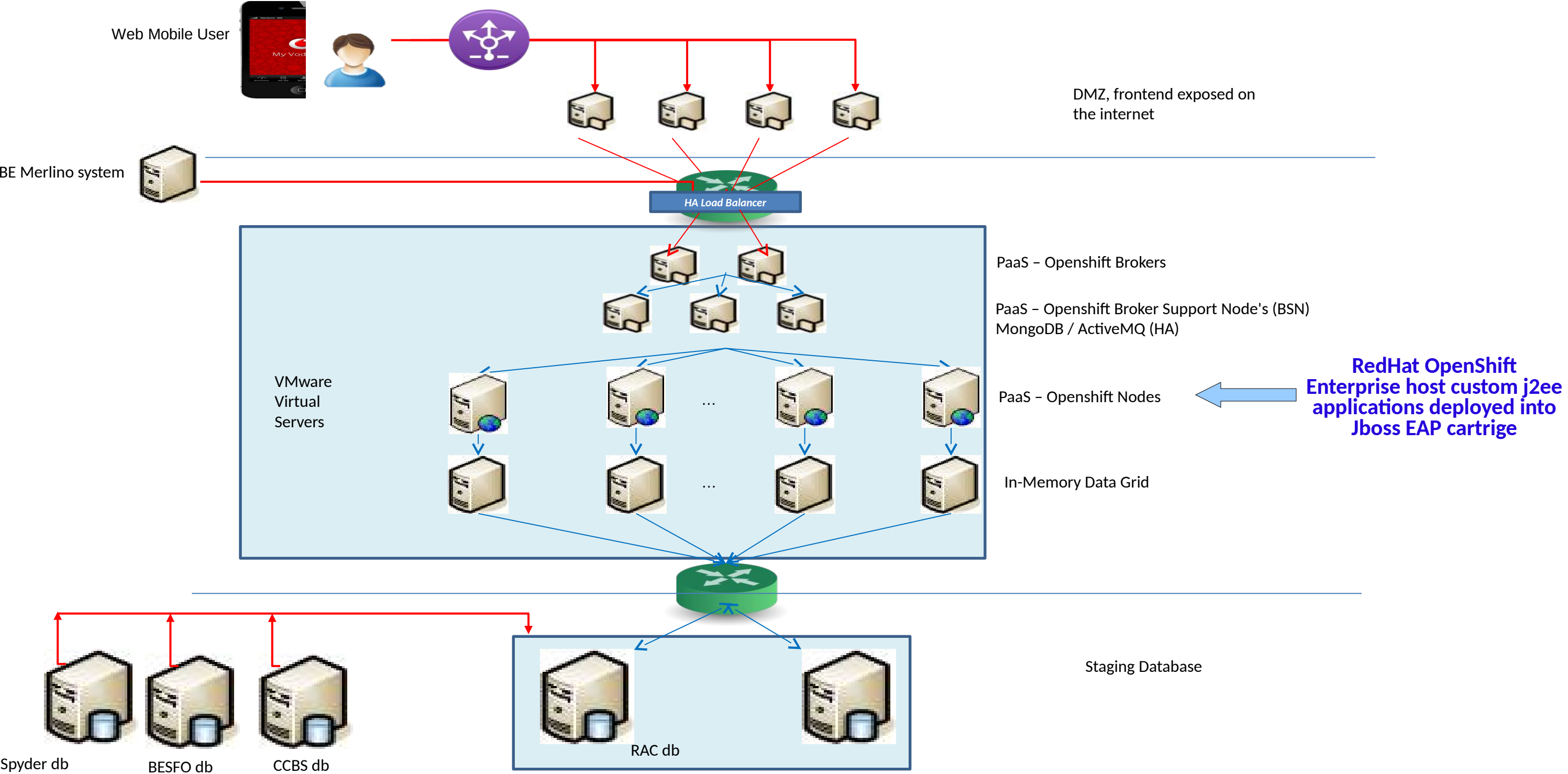
**The target architecture and the solution we
proposed...**

High level Architecture Overview

Following diagram expose an High level overview of the involved components.



Openshift Enterprise Architecture



The Solution we proposed...

Products and Services

Some Numbers

- 14 x Openshift Enterprise (1-2 Sockets)
 - 14 x Jboss EAP for Openshift
 - 5 Brokers (incl. HA supp nodes)
 - GPS 22 days for Accenture
 - GPS 10 days for ICTeam
 - GPS 10 days for the customer
 - Subscriptions = 170K TB + GPS
- 2 Vmware clusters
 - 14 Physical servers for OSE envs (2 sockets x machine)
 - 27 Ose Nodes + 5 HA Support nodes (Brokers/MongoDB/ActiveMQ)
 - 4 cores/32GB per OSE Node
 - IMDG = 30 nodes (1 Tb RAM)
 - 24x7 operation with zero downtime
 - 2000 transactions per sec
 - Approx. 500,000 concurrent users

The Solution we proposed...

How we 'built' it together with the customer/partner

Pre-sales activities to win the deal (mainly managed by local SA)

- Workshop (presentation + demo) on Red Hat PaaS & JDG with all Customer's and Accenture stakeholders
- Answered a detailed RFI on PaaS and in-memory data grid layers
- Many interactions via emails, calls and meetings in order to refine jointly the target solution
- I've leveraged all existing docs, Ref.Arch and use cases available at that time

Post-sales activities to support Accenture and ICTeam

- Architectural review, enablement and support done by the extended team: SA (A.Morena), EMEA SA for ACN (Giuseppe Brindisi), EMEA Tiger Team (Shashin Shinde), Global Partners Enablement (Chad Darby), Matteo Bernacchi (GPS)
- Go live phase: performance tests and prod env setup done by Matteo Bernacchi (GPS Italy)

Lessons Learned... (Tips & Tricks)

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Objections we faced and how we overcame these

- Getting new technology such as OpenShift Enterprise accepted by the customer due to no significant customer references in production environments
- Red Hat's credibility as provider of PaaS solutions
- A lot of questions about Openshift capabilities

How we overcame these

- I have reused existing WW case studies (not many unfortunately !) like PayPal, CISCO and Accenture itself
- We have also shared a previous positive experience and collaboration with Accenture (Openshift POC)
- Reference Architecture and technical details of some key features of OSE required for the project (autoscaling, hot deploy,..) to make Accenture more confident about OSE
- Continuous alignments and collaboration Accenture – Red Hat towards common goals

Lessons Learned... (Tips & Tricks)

“Top Tips” to take-away and apply

- The way we worked with the customer and the partner is a clear example of how the model works when we and our partners are open and work hand to hand during the entire lifecycle of a deal
- **Early new products awareness** is crucial (internal and external)
 - Specially on new IT domains where there isn't yet a dominant player
 - **Early partners enablement** on new technologies
- **Openshift demo** is your best sales tool for PaaS, Continuous delivery and DevOps
- We have a great technology and today on PaaS domain we can compete against anyone !

Don't be shy



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