

# Scout Cloud Support

Ludwigsburg, October 27



# Scout Cloud Support

- PaaS Provider
- Cloud Architecture
- Demo

**PaaS Provider**

# PaaS Provider

## Hard Requirements

- Public PaaS with Hosting
- Java 1.7
- Servlet Container
- Relational Database
- Message Service
- Cache Service

# PaaS Provider

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## Soft Requirements

- Automatic Scaling
- Open Source Database
- Open Source Caching
- Open Source Messaging


# PaaS Provider (June 2014)

Provider	Product	Hard Requirements	Autoscaling	Other Soft Requirements
Amazon	Elastic Beanstalk	OK	OK	MySQL, Memcached, RabbitMQ
CentruryLink	AppFog	OK	NOK	MySQL, Redis, RabbitMQ
Clever Cloud	Clever Cloud	NOK: Message and cache services missing	OK	MySQL
CloudBees	Run@Cloud	OK	OK	MySQL, Memcached, RabbitMQ
Google	AppEngine	Java Sandbox only, Message service missing	OK	MySQL, Memcached
Hivext	Jelastic	OK	OK	MySQL, Memcached, JMS
Microsoft	Microsoft Azure	OK	OK	Azure SQL Database, Azure Cache, Azure Service Bus
Oracle	Cloud Java	OK	NOK	Oracle Database Cloud Service, Coherence, Oracle Messaging Cloud Service
Pivotal	Pivotal One	OK	NOK	MySQL, Memcached, RabbitMQ
Red Hat	OpenShift	OK	OK	MySQL, Redis, ActiveMQ
Salesforce	Heroku	OK	NOK	PostgreSQL, Memcached, RabbitMQ

# Run@Cloud

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From: Sacha Labourey <sacha@cloudbees.com> Sent: Do 11.09.2014 07:14  
 To: tools\_core  
 Cc:  
 Subject: Important Update from CloudBees

 CloudBees


Dear CloudBees Customer:

CloudBees began offering hosted services for developers over four years ago. Since then, our offering has grown from a hosted CI service to encompass the full application development, deployment, and management lifecycle. Across

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worlds. **This change means that we will be shutting down our RUN@cloud (which includes application and database hosting) services.** On the other

Salesforce	Heroku	OK	NOK	PostgreSQL, Memcached, RabbitMQ
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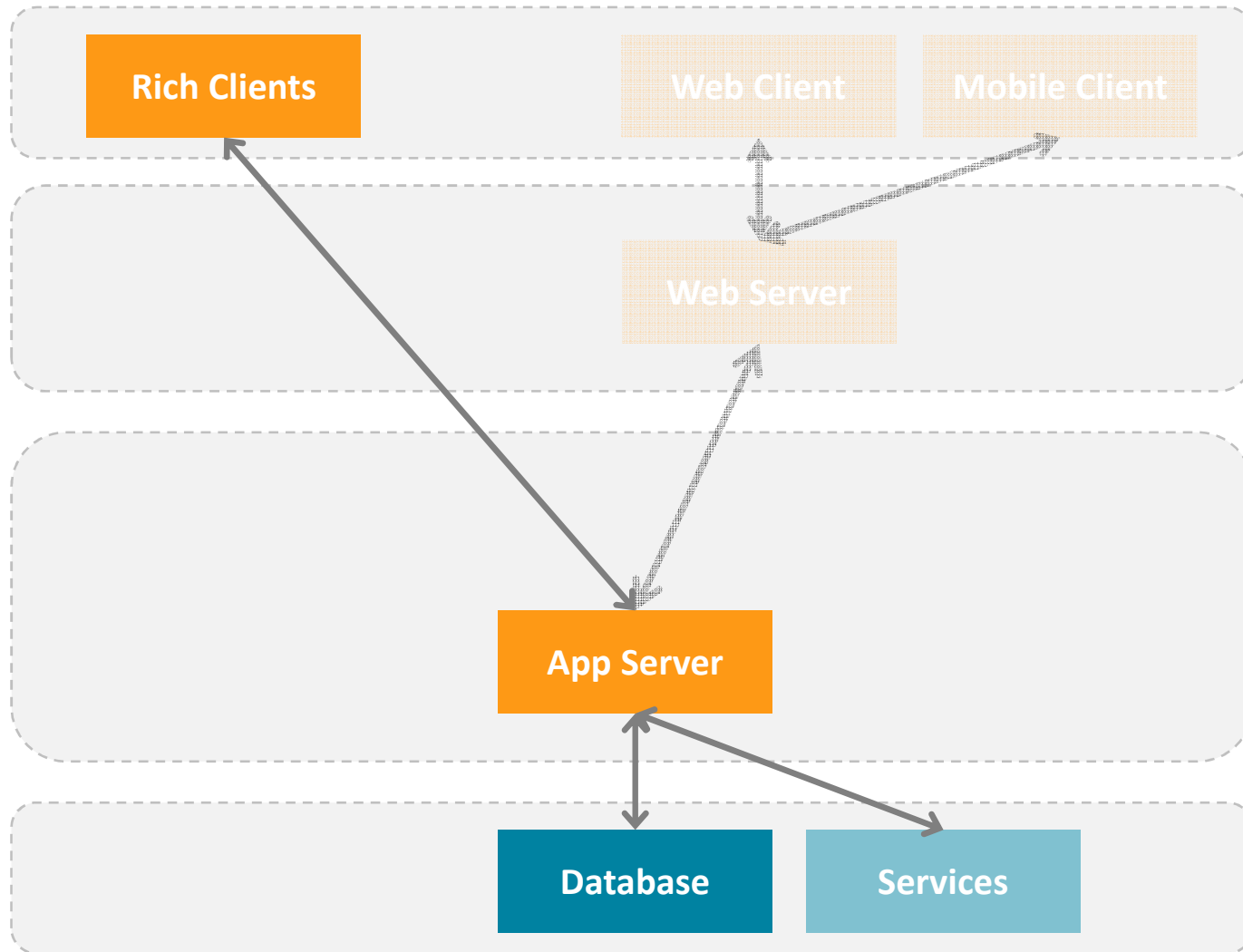


# Run@Cloud - No more

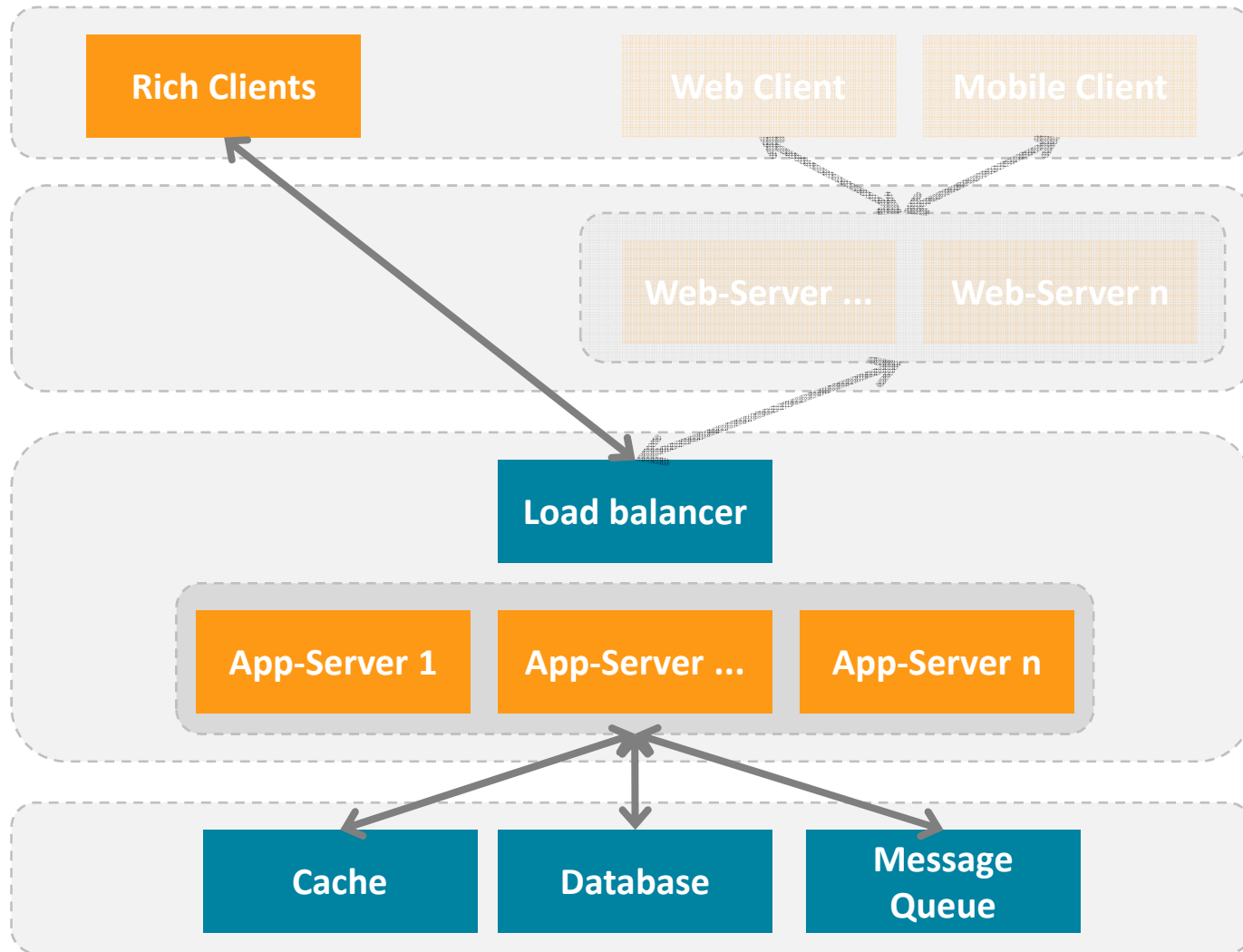
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**Architecture**

# Simple Architecture



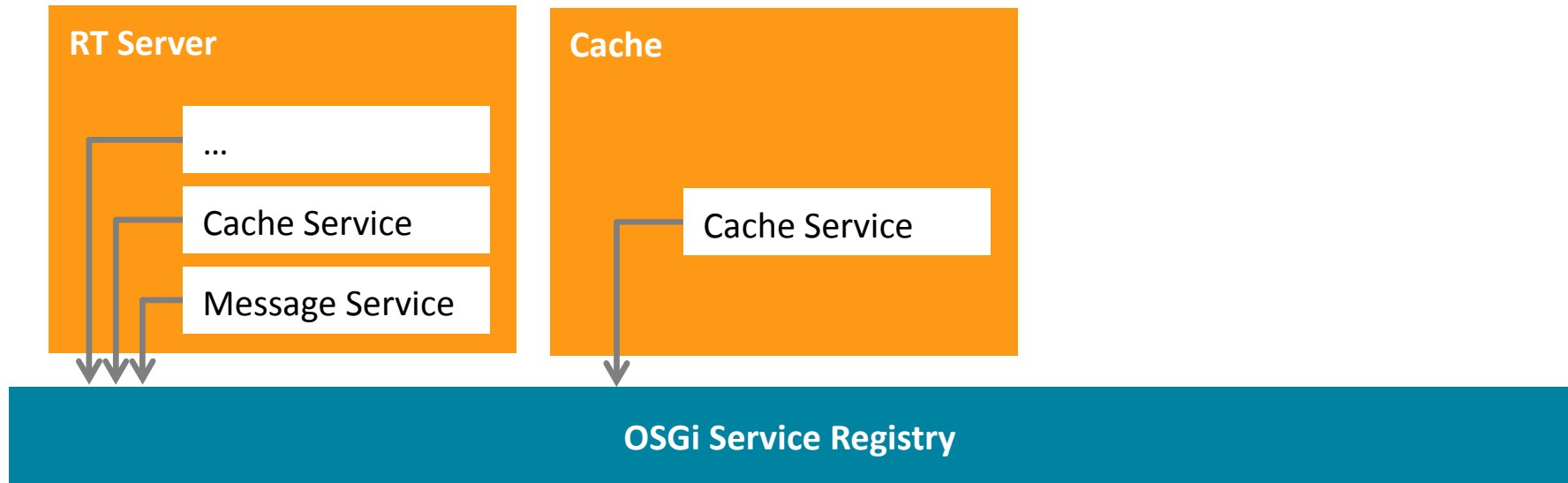
# Cloud Architecture



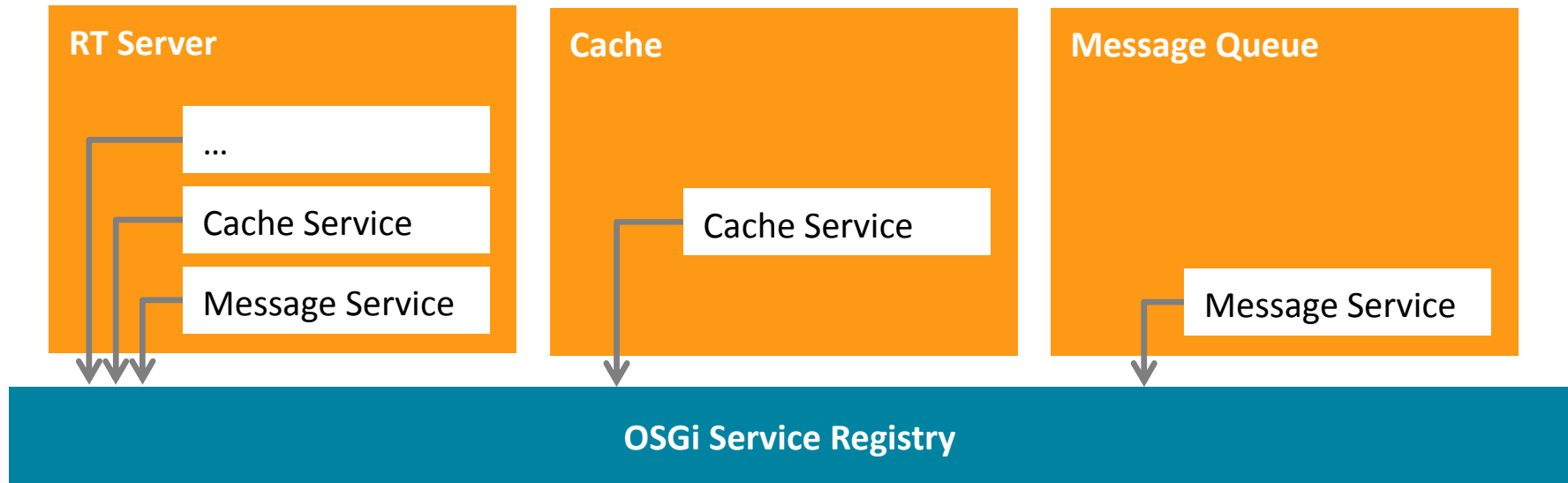
# Scout Server Architecture



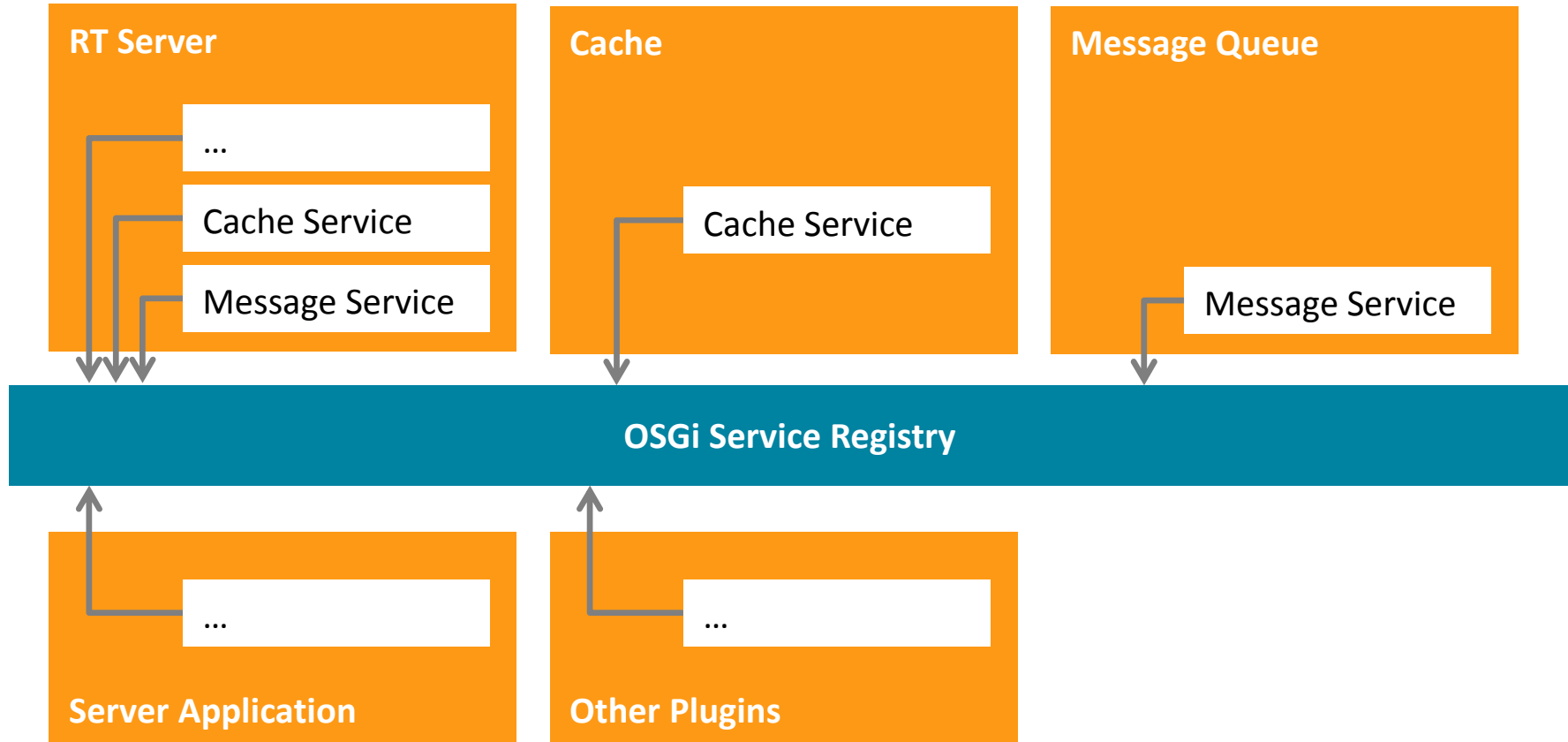
# Scout Server Architecture



# Scout Server Architecture



# Scout Server Architecture





**Demo**

# Dynamic Scaling Demo

The screenshot displays the Eclipse Scout chat interface, titled "BahBah" and "Eclipse Scout". The main chat window shows a list of messages between users "calvin" and "hobbes". The messages are as follows:

From	Message	Time	Receiving Node	Providing Node
hobbes	6	22:05:13	19f7e7e3-8477-4d0f...	c6052d5f-0b09-46bc-91cf-...
hobbes	4	22:05:13	e8cb8e16-23be-4d9...	c6052d5f-0b09-46bc-91cf-...
hobbes	3	22:05:12	e8cb8e16-23be-4d9...	19f7e7e3-8477-4d0f-be7d-...
hobbes	2	22:05:11	e8cb8e16-23be-4d9...	19f7e7e3-8477-4d0f-be7d-...
hobbes	1	22:05:11	c6052d5f-0b09-46b...	19f7e7e3-8477-4d0f-be7d-...
calvin	count to 5 please ...	22:05:08		
hobbes	hello	22:05:01	e8cb8e16-23be-4d9...	19f7e7e3-8477-4d0f-be7d-...
calvin	say hello to democamp	22:04:57		
hobbes	hi	22:04:50	c6052d5f-0b09-46b...	19f7e7e3-8477-4d0f-be7d-...
calvin	hi hobbes	22:04:45		

A second chat window is shown below, displaying a different view of the chat history:

From	To	Message	Time	Receiving Node	Providing Node
hobbes	calvin	6	22:05:13		
hobbes	calvin	4	22:05:12		
hobbes	calvin	3	22:05:11		
hobbes	calvin	2	22:05:11		
hobbes	calvin	1	22:05:10		
calvin	hobbes	count to 5 please ...	22:05:09	e8cb8e16-23be-4d9...	c6052d5f-0b09-46bc-91cf-...
hobbes	calvin	hello	22:05:00		

**Thank You**