

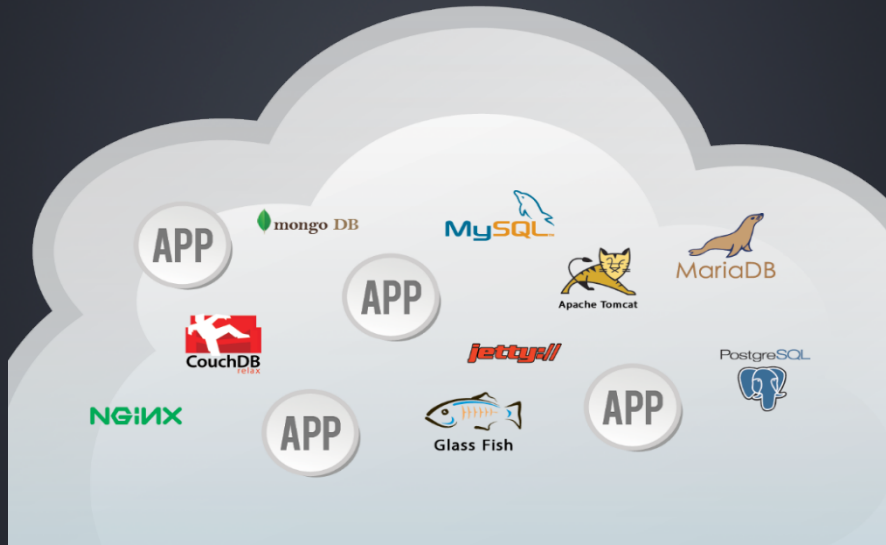


# Private PaaS

Dmitry Lazarenko,  
Director of R&D, Russia  
[dl@jelastic.com](mailto:dl@jelastic.com)

Сентябрь 2012

# Platform-as-a-Service (PaaS)



# Developers **love** to create applications and **hate** to administer servers

- 10:15 Install OS
  - 11:20 Configure the system
- 12:05 Coffee Break
- 13:05 Configure security
- 14:15 Configure Web server
  - 15:40 Configure Database
  - 16:20 Couple of sandwiches
- 16:50 Configure firewall
- 17:20 Deploy application
- 17:45 Call wife and apologize for the late return
  - 18:00 Identify library dependencies
  - 20:30 Upgrade packages
  - 22:15 Fix dependencies
- 23:50 Couple cans of Red Bull
  - 01:30 Run!!!
- 02:05 The end of the working day



**~ 16 hours**

# The same story with **Jelastic** use

10:15 Choose the configuration  
10:17 Specify the domain name  
10:20 Upload application  
10:25 Run!!!

**~ 10 minutes**

- Easy + Fast + Convenient
- **Saving time and money**



**10 min** vs **16 hours** = \$\$\$\$\$\$

**Jelastic** is the next generation of cloud hosting which can run and scale ANY **Java** & **PHP** applications with no code changes required



Tomcat 7

Java 7

Storage



Add-ons



Application Servers

ON

Scaling (Vertical & Horizontal)

From 1 cloudlet

128 MB, 200 MHz  
0.025 credits p..

Automatic Scaling

21 cloudlet(s)

up to 2.63 GB, 4.20 GHz  
up to 0.525 credits per..



21



Tomcat 7

4 node(s)

21



Java 7

High-availability

ON

Public IPv4

OFF

Summary

- SSL from \$18
- Public IPv4 × 1 \$18
- Nginx 1.1.9 \$18
- Tomcat 7 × 4 \$72
- Memcached 1.4 \$18
- MariaDB 5.5 \$18
- MongoDB 2.0 \$18
- Maven 3 \$18
- CentOS 5.8 \$18

Total monthly cost

Prices are in credits \$216

Environment name

env-0031409  .stage.jelastic.com

Cancel

Create

Create environment

Name	Status	Deployed	Usage
<b>drupal-2941060</b> drupal-2941060.stage.jelastic.com	Running	drupal.zip	4 / 6/32
Apache 2.2 x2 Change environment topology			2 / 2/16
MySQL 5.5.25			1 / 2/8
Nginx 1.1.9			1 / 2/8

Deployment manager drupal-2941060 : apache2 : config

File explorer showing directory structure:

- /
  - webroot
  - etc
    - php.ini
  - conf
  - modules

```

Save
19 engine = On
20 short_open_tag = Off
21 asp_tags = Off
22 precision = 14
23 y2k_compliance = On
24 output_buffering = 4096
25 zlib.output_compression = Off
26 implicit_flush = Off
27 unserialize_callback_func =
    
```

Tasks

Date	Name	Status
07:08   12 Oct 20...	Linking nodes in drupal-2941060	Success
	app.stage.jelastic.com/#	Success

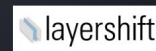
## JELASTIC TRACTION

Our partners. They already are taking all the sweet features Jelastic offers.



# 28,000 ACTIVE USERS

## JUST IN ONE YEAR FROM ALL OVER THE WORLD





# Jelastic Private Cloud

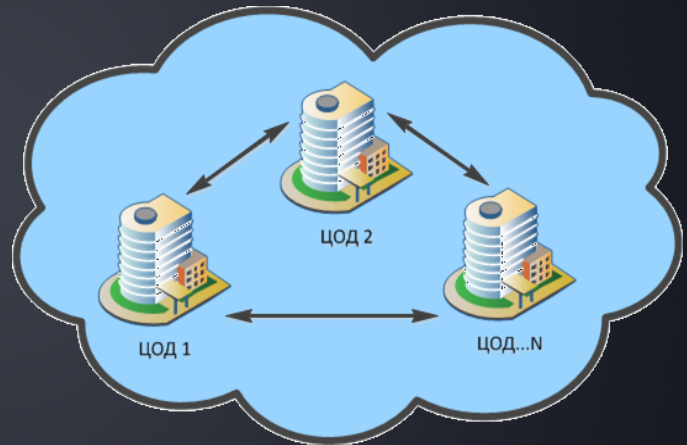


# Jelastic Private Cloud

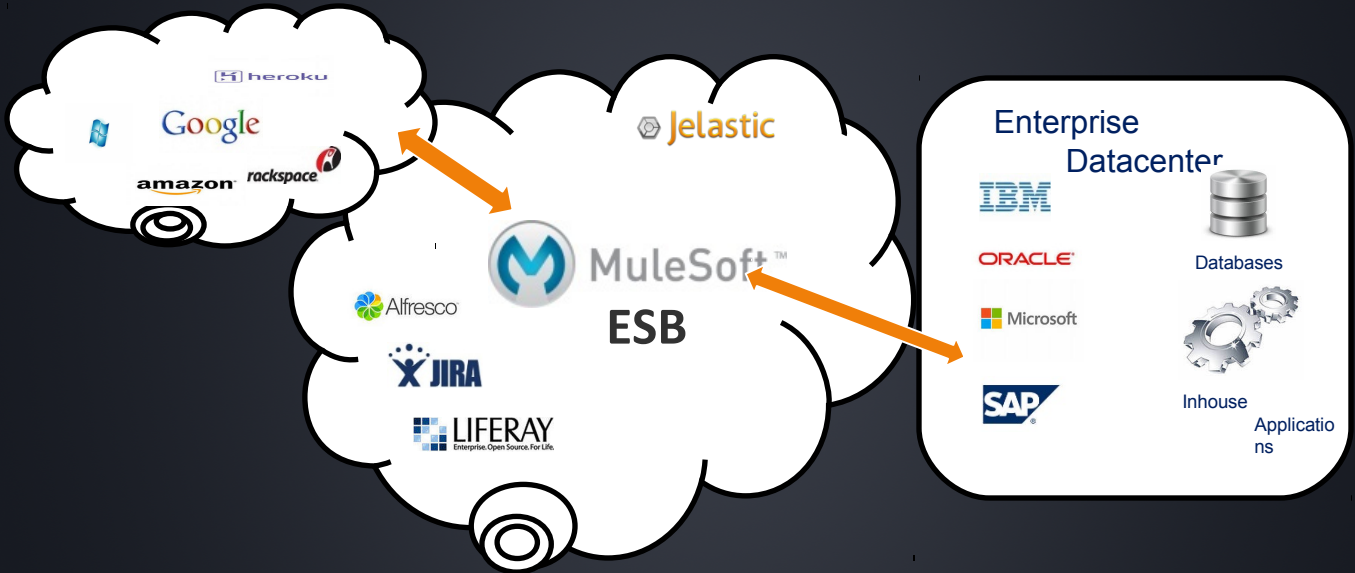
- Security
- Full Control
- Elasticity & Scalability
- Real High Availability
- High density

# Cross Data Center Distribution

- Moving of application to another DC in **One Click**
- Spread application between different DC
- Fast content delivery to End Users
- **Real HA** for applications



# Hybrid Clouds



# Technologies

# Private networks

- IPv6
- VPN

# Virtualization support

- Parallels Virtuozzo Containers
- KVM
- XEN
- IaaS: OpenStack, CloudStack

# Smart Technologies

- Automatic **Scaling**
- Smart **Live Migration**
- Smart Cloud **Monitoring**



# Jelastic Packaging Standard

App Packaging that can turn **any** application  
into a hosted multitenant system

# Application Store



✓ Thank you! Check your email.

Cyclos is a project of STRO, a leading organisation on monetary innovations. Cyclos offers a complete on-line payment system with additional modules such as e-commerce and communication tools. The Cyclos platform permits institutions such as local banks and MFI's to offer banking services that can stimulate local trade and development.



xWiki

Collaborative platform

Install

xWiki is open source collaborative platform software. The xWiki development team is proud to announce the availability of xWiki Enterprise 4.1.4. This one is probably the last bugfix release for the 4.1 series. It provides 30 bug fixes.

Mainly in the Extension Manager, including important fixes for extensions that provide components or script services.



Liferay

Portal, Open-source

Install

Liferay Portal was, in fact, created in 2000 and boasts a rich open source heritage that offers organizations a level of innovation and flexibility unrivaled in the industry. Thanks to a decade of ongoing collaboration with its active and mature open source community, Liferay's product development is the result of direct input from users with representation from all industries and organizational roles.



MagnoliaCMS

CMS, Open-source

Coming soon

Magnolia is an Open-Source content management system (CMS) developed by Magnolia International Ltd., based in Basel, Switzerland. It is based on JSR-170.

CMS - Content management system. Written in Java for geeks by geeks.

# More languages

- Java
- PHP
- Ruby
- Node.JS
- .Net

# Customers

# Customers

- **Enterprise Developer**
- **Enterprise Architect**
- **Enterprise IT Operator**

# Developer

- Choice of languages
- **No lock-in** framework
- Rich **toolset** and services
- Focus on the application and then infrastructure

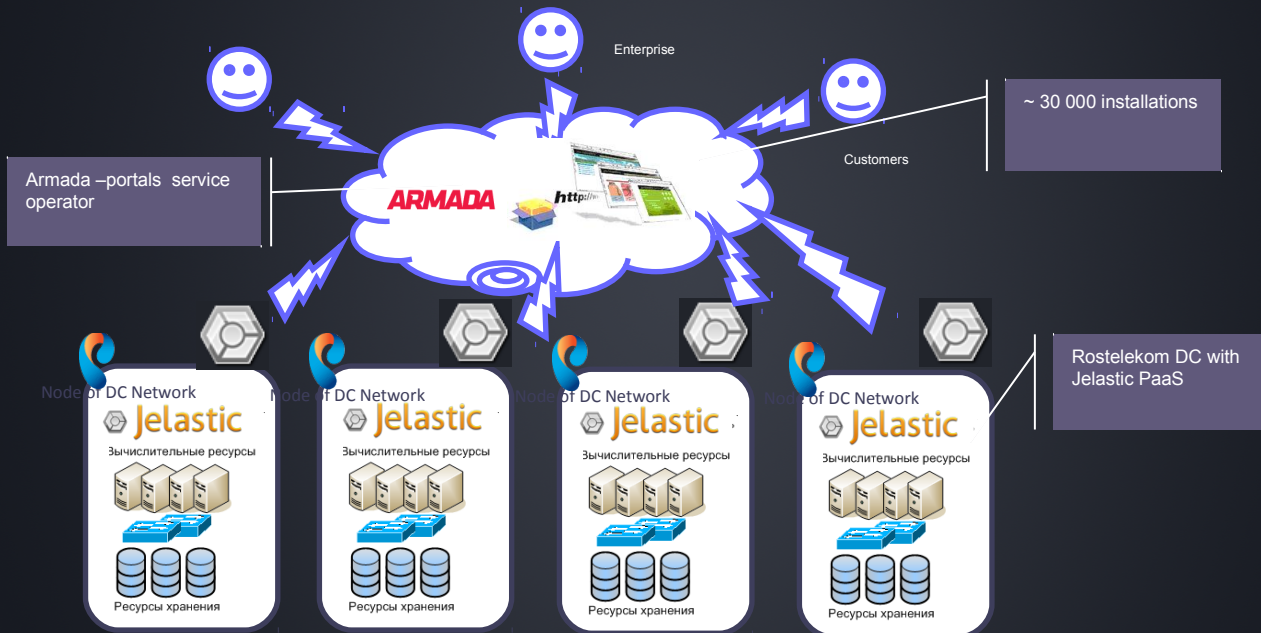
# Enterprise

- More **efficient** use of **infrastructure**
- Scalability
- **Secure** multi-tenancy
- Comprehensive solution

# Real Cases



# Cloud for typical state portals



# COMPETITION



**Jelastic** competes with  
global players of PaaS  
market

and tracks interest from companies such as: Hewlett-Packard, Cisco, Boeing, Walmart, Nippon Telegraph and Telephone, etc.

# Competitors

Name	Languages	Virtualization	IaaS
JPC	Java, JRuby, Scala, Groovy, ColdFusion/CFML, dotNet, php, Ruby, Node.JS	Parallels VZ, KVM, XEN, VMWare	PACI, OpenStack, CloudStack
Stackato (Cloudfoundry)	Java, Python, Ruby, PHP, Perl, Node.js, Erlang, Scala, Clojure	VirtualBox, VMware (Player/Fusion), KVM	Sphere, EC2 AMI
Windows Azure	Node.js, PHP, Java, Ruby, Python	Microsoft Hyper-V	Amazon EC2
Apprenda	.Net	VMware Hyper-V	Amazon EC2, Eucalyptus, Citrix/Cloud.com, CloudStack, OpenStack
Comulogic	Java	KVM, Xen, XenServer and ESXi.	Citrix, Eucalyptus
Kanopya Private PaaS		Hyper-V, VMware, Xen, KVM	Open Nebula, OpenStack

# Licensing

Description	Price
<b>Private Cloud</b>	
OEM License/year	Contact us
Custom development, Support & Maintenance/year	Contact us
<b>Public cloud</b>	
OEM License	Revenue sharing

# Thank you!

[Jelastic.com](https://jelastic.com)

[JPC@jelastic.com](mailto:JPC@jelastic.com)

