

# Environnement de développement DEVOPS avec OpenShift

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FEDER



UNION EUROPEENNE

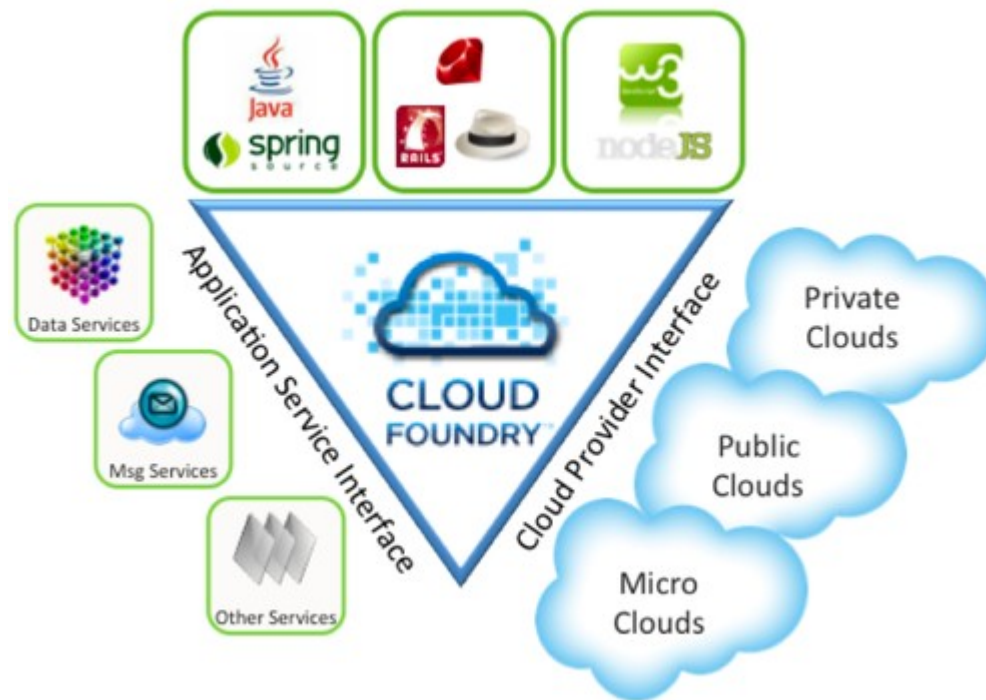


Wallonie



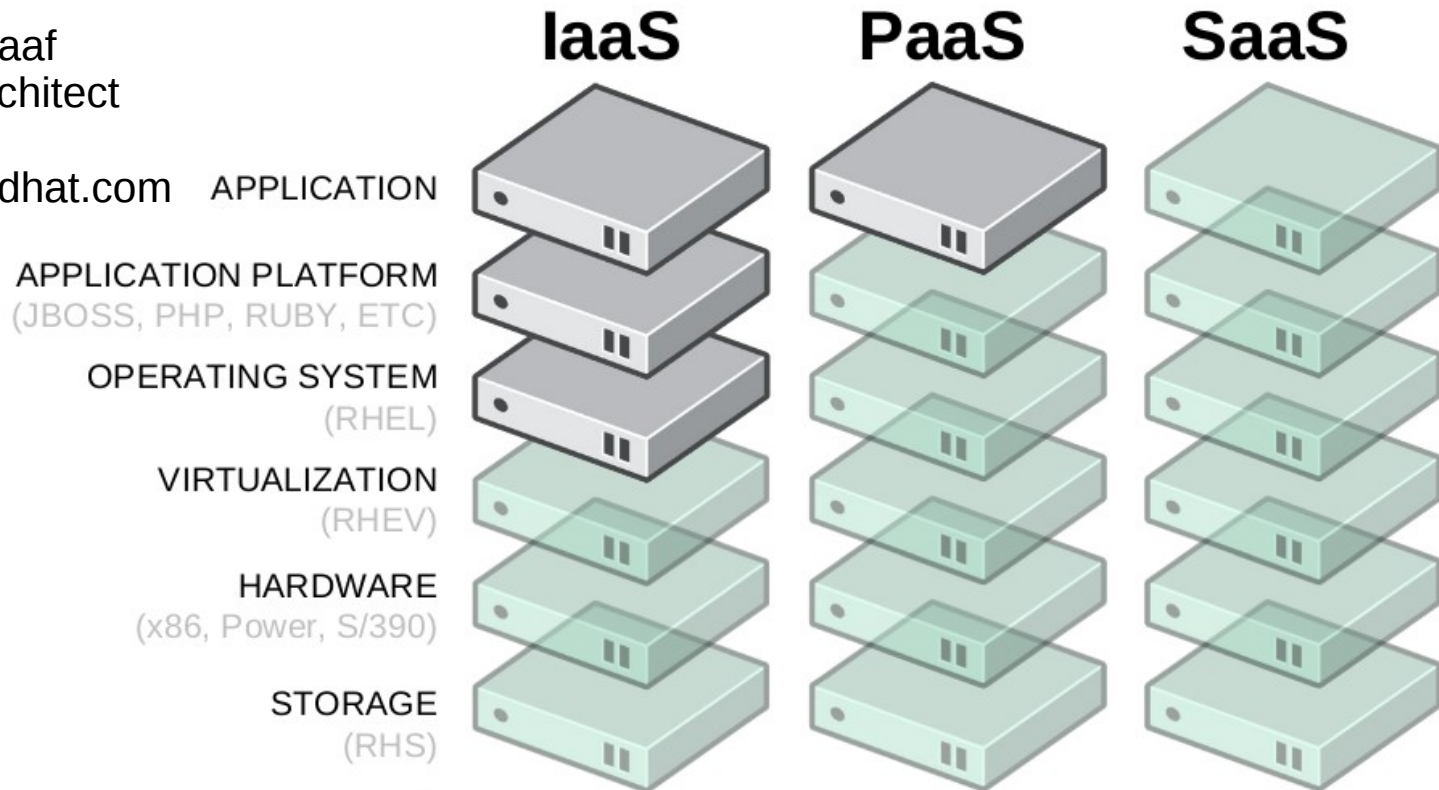
# Disclaimer

- OpenShift est une application de PaaS OpenSource parmi d'autres
- Choix d'une solution installable localement (pas en mode Cloud uniquement)




# OpenShift en 3mn

**Crédit :**  
Syed M Shaaf  
Solution Architect  
Red Hat  
sshaaf@redhat.com



Managed and Controlled by Customer (IT, Dev, or User)

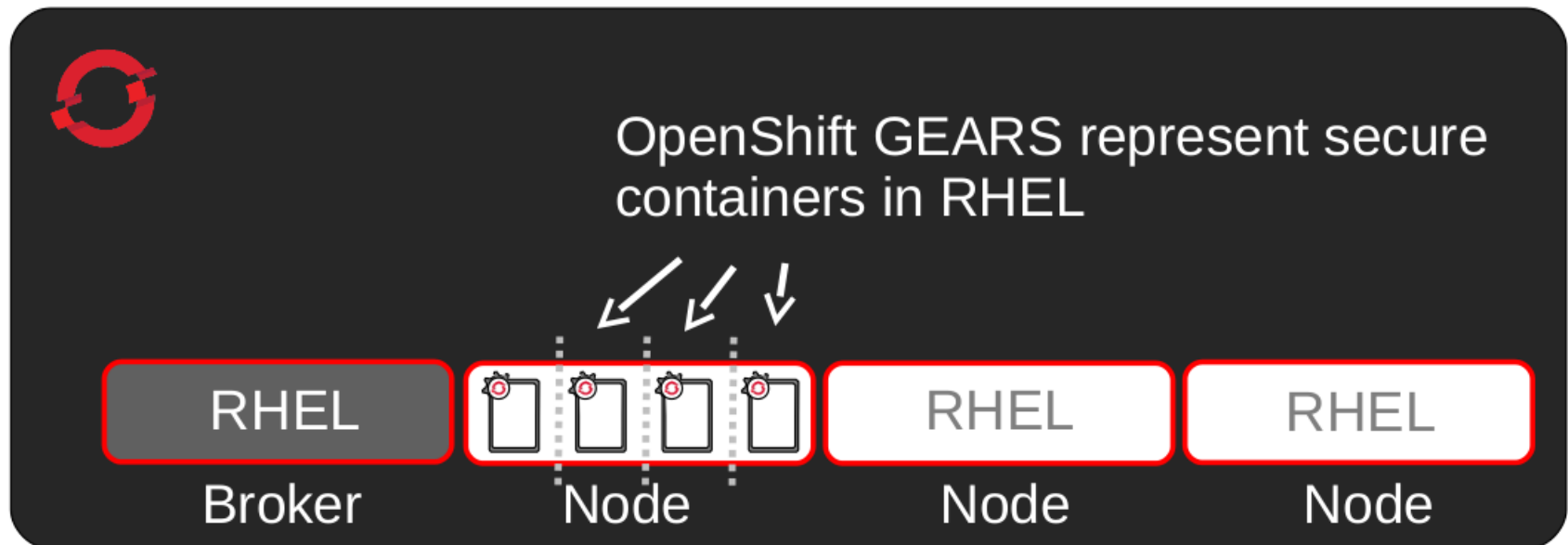


Automated and Managed by the Public or Private Cloud Offering



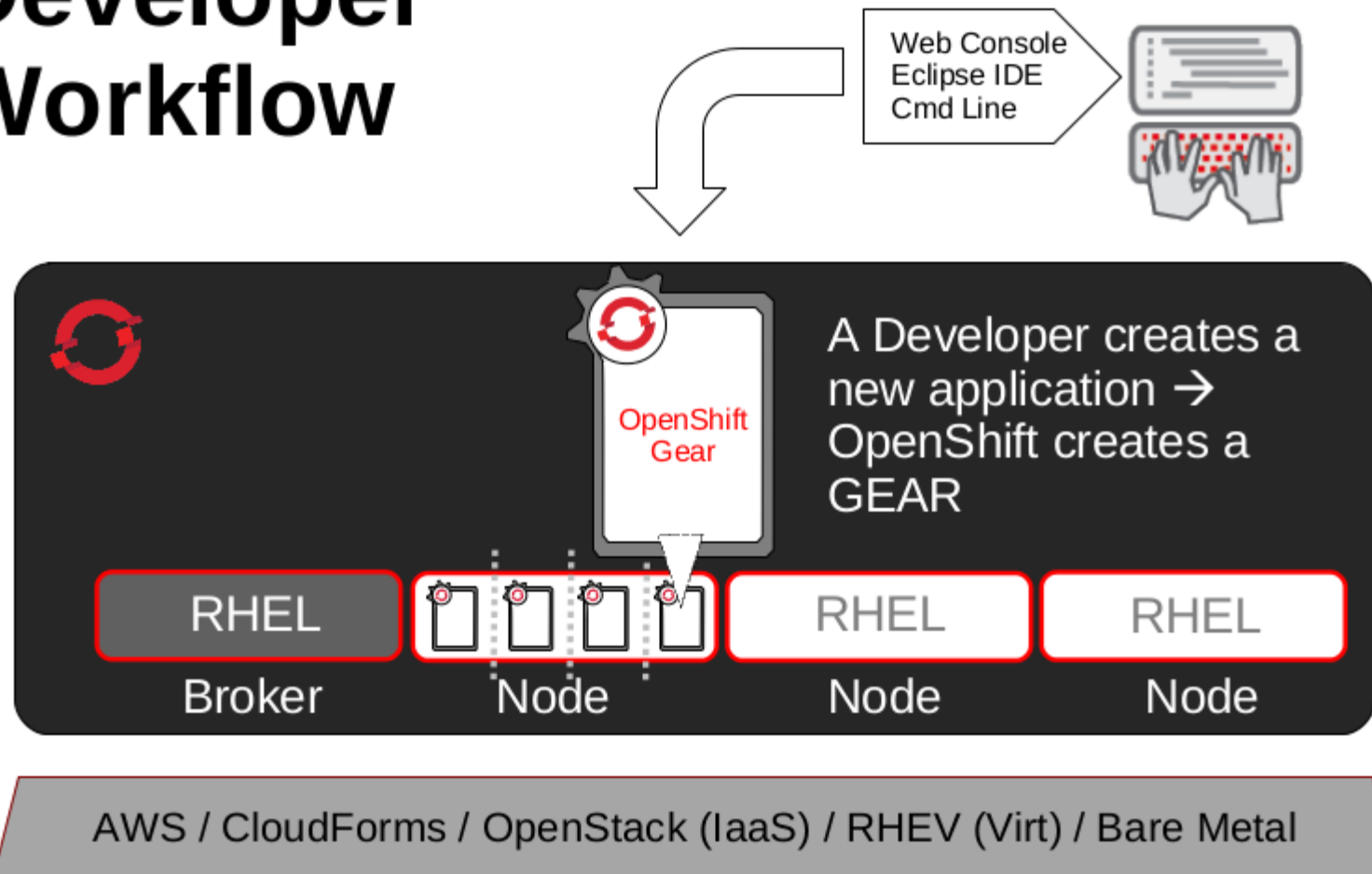
# OpenShift en 3mn

- Architecture d'OpenShift



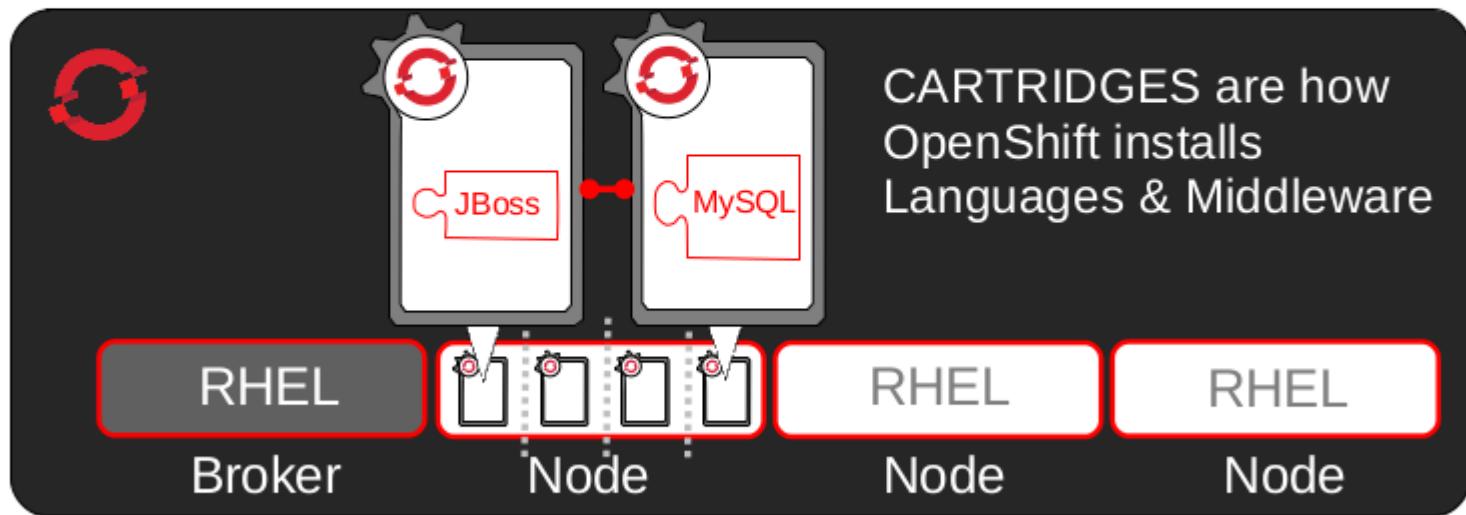
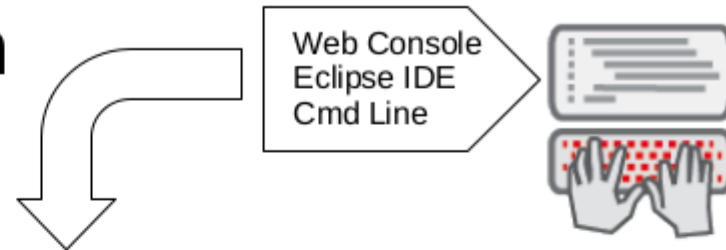
AWS / CloudForms / OpenStack (IaaS) / RHEV (Virt) / Bare Metal

## Developer Workflow



# OpenShift en 3mn

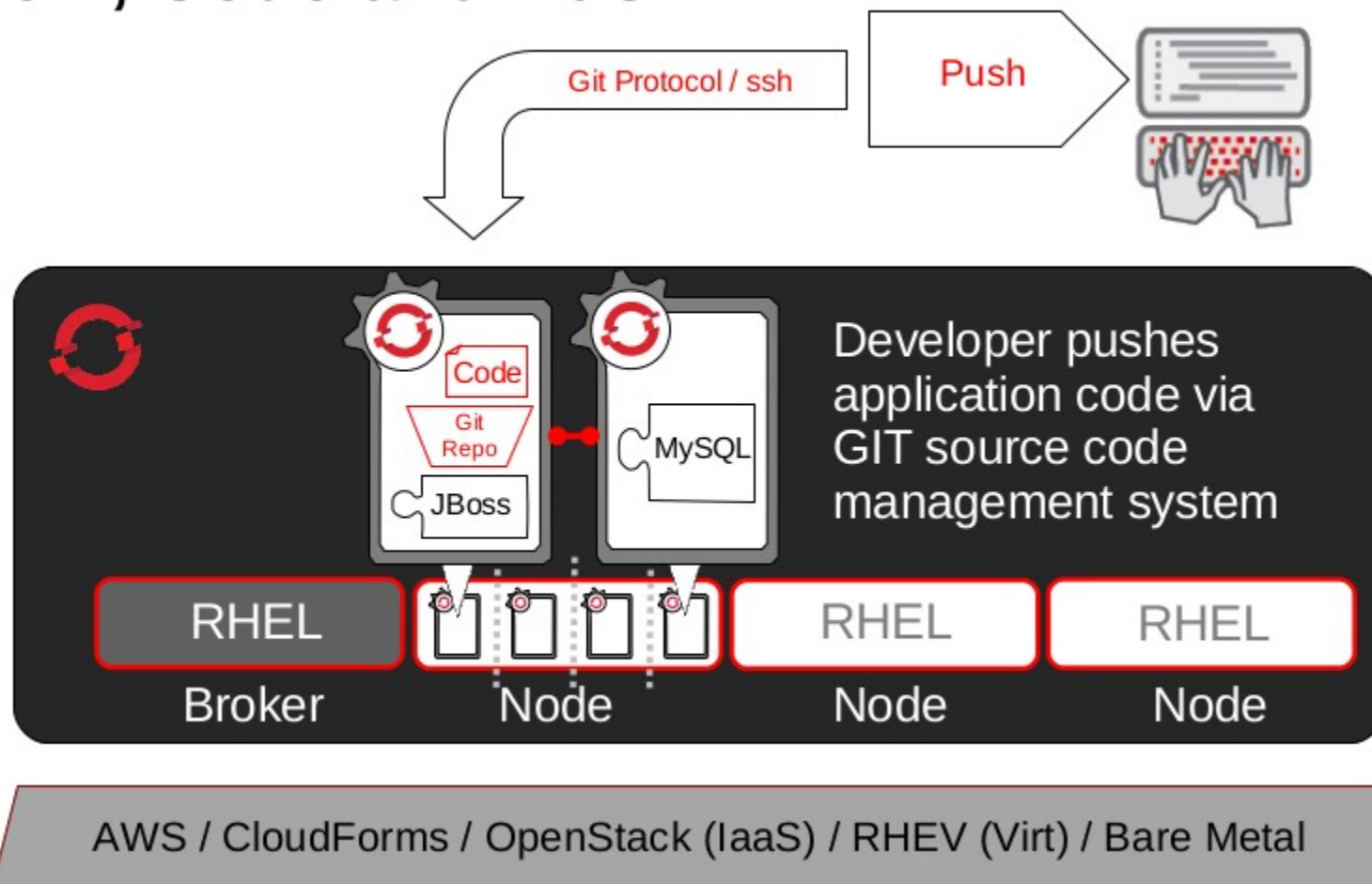
## OpenShift Automates Gear Configuration via Cartridges



AWS / CloudForms / OpenStack (IaaS) / RHEV (Virt) / Bare Metal

# OpenShift en 3mn

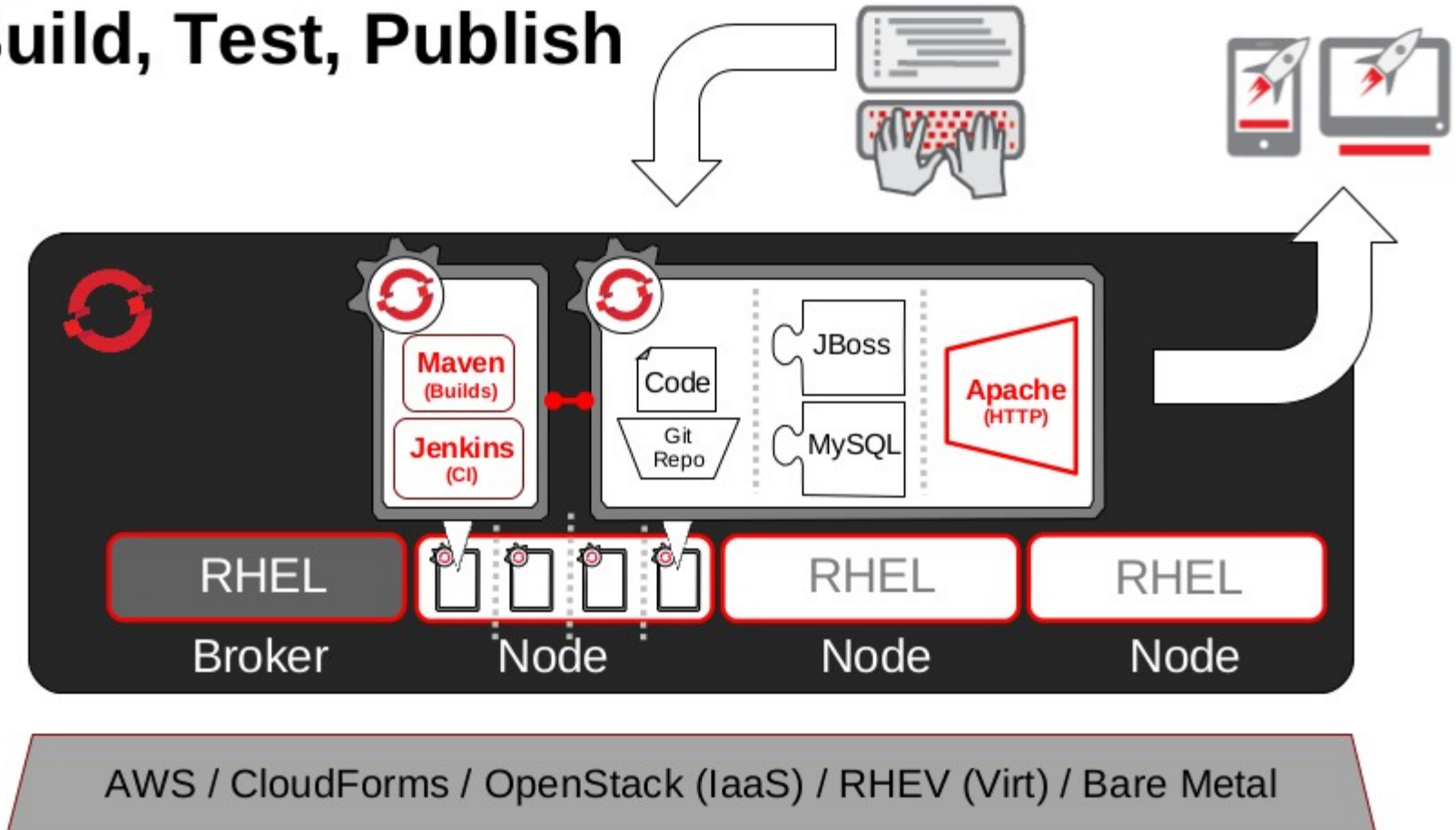
## Now, Code and Push





# OpenShift en 3mn

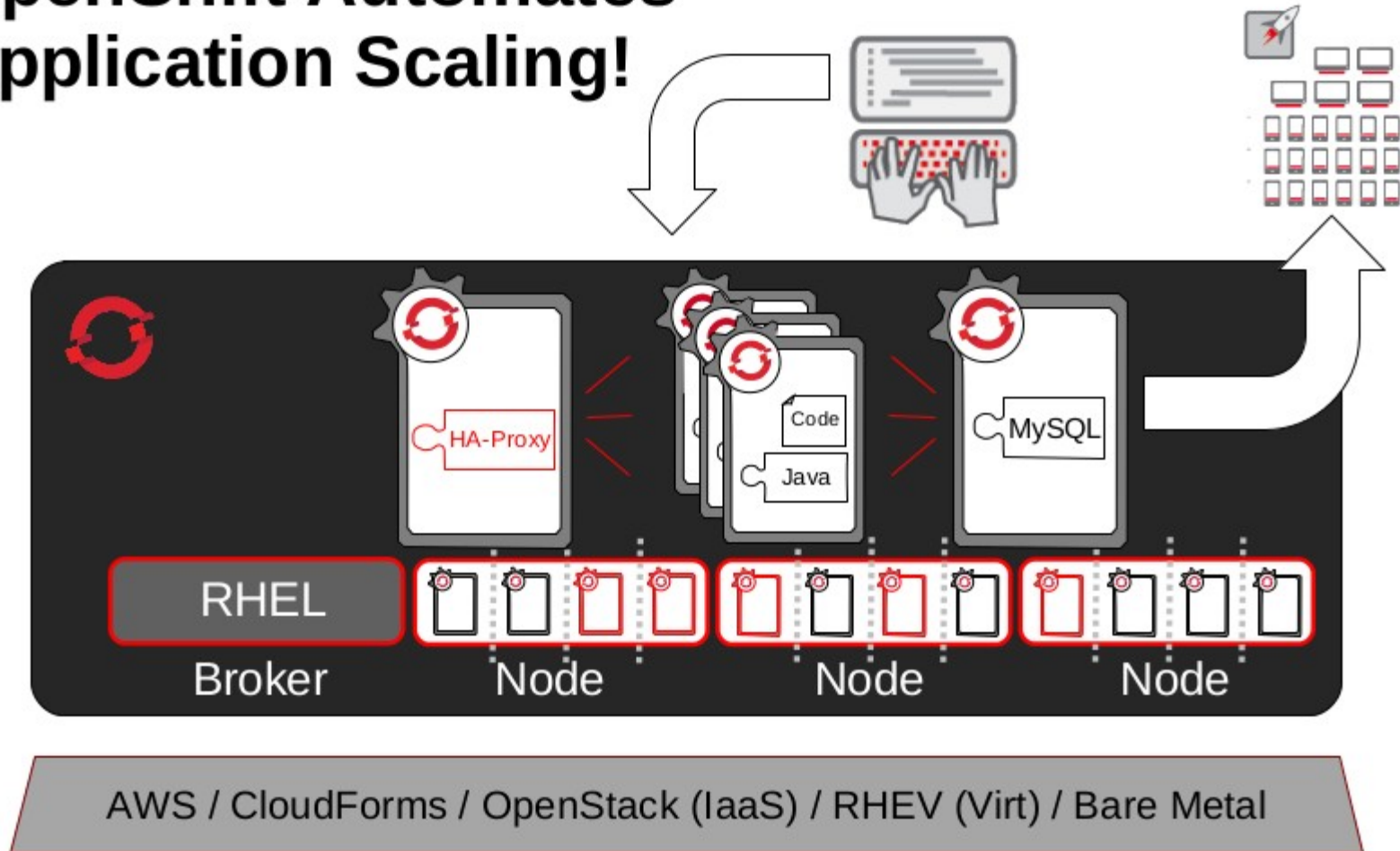
## OpenShift Automates Build, Test, Publish



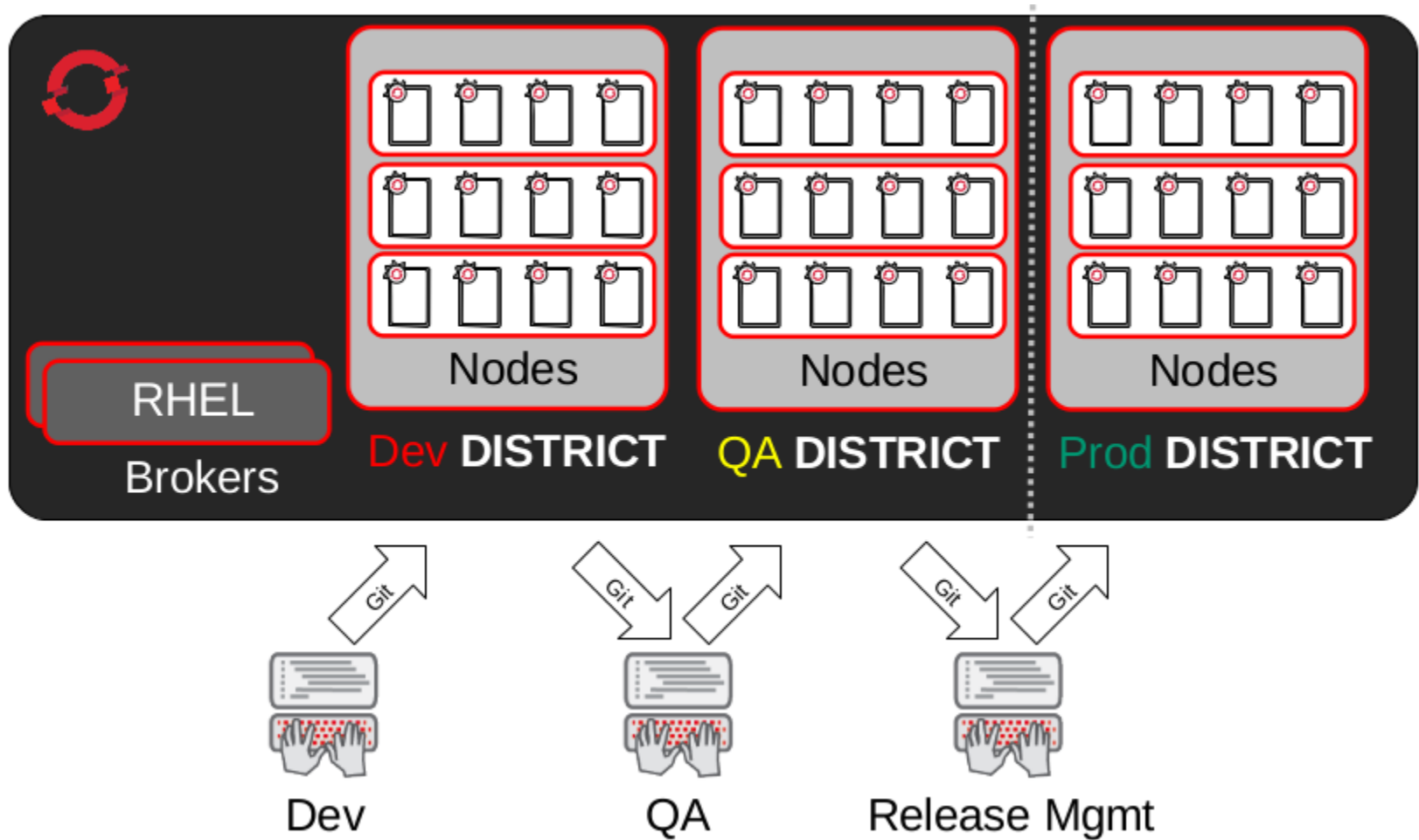


# OpenShift en 3mn

## OpenShift Automates Application Scaling!

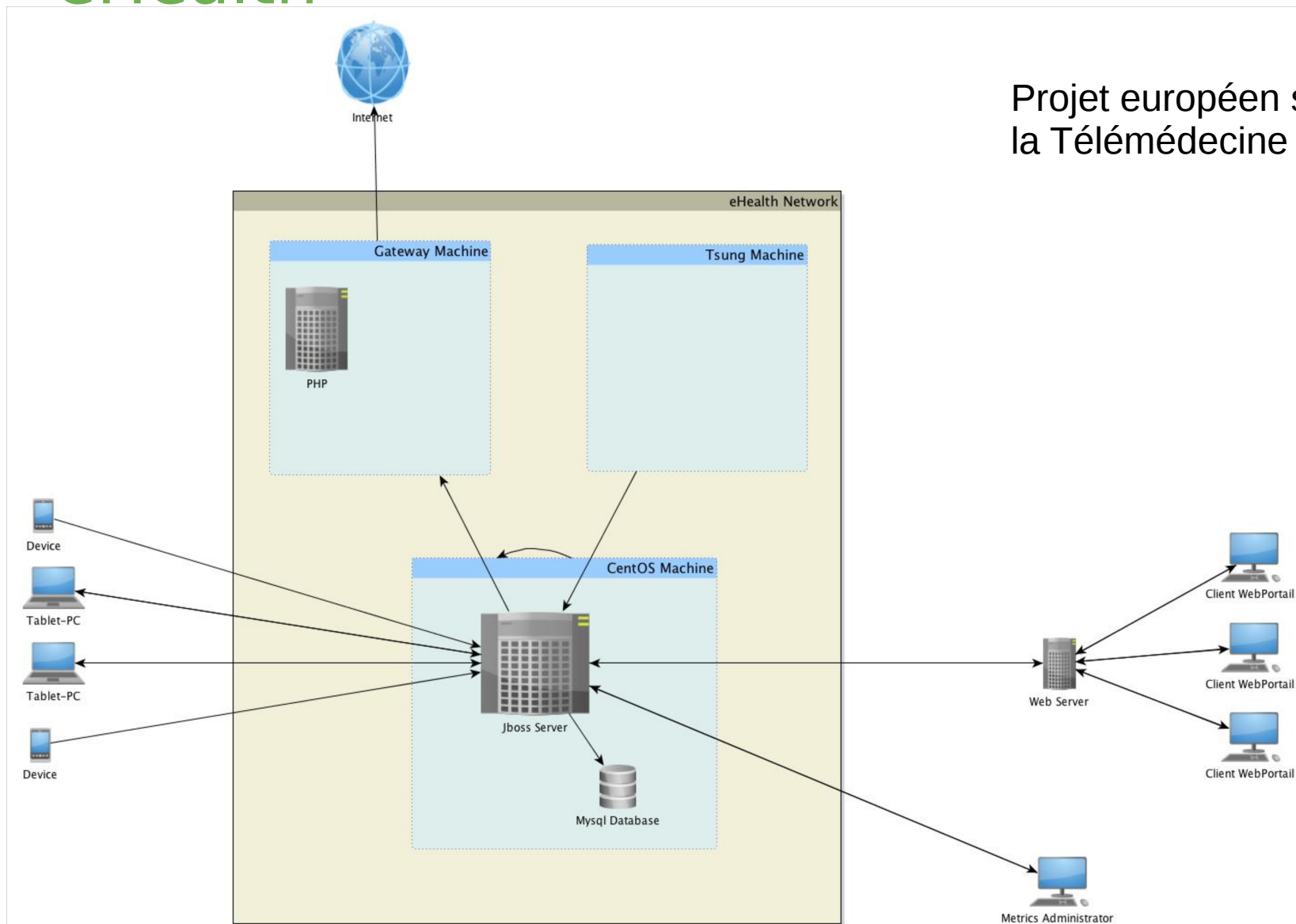


# OpenShift en 3mn

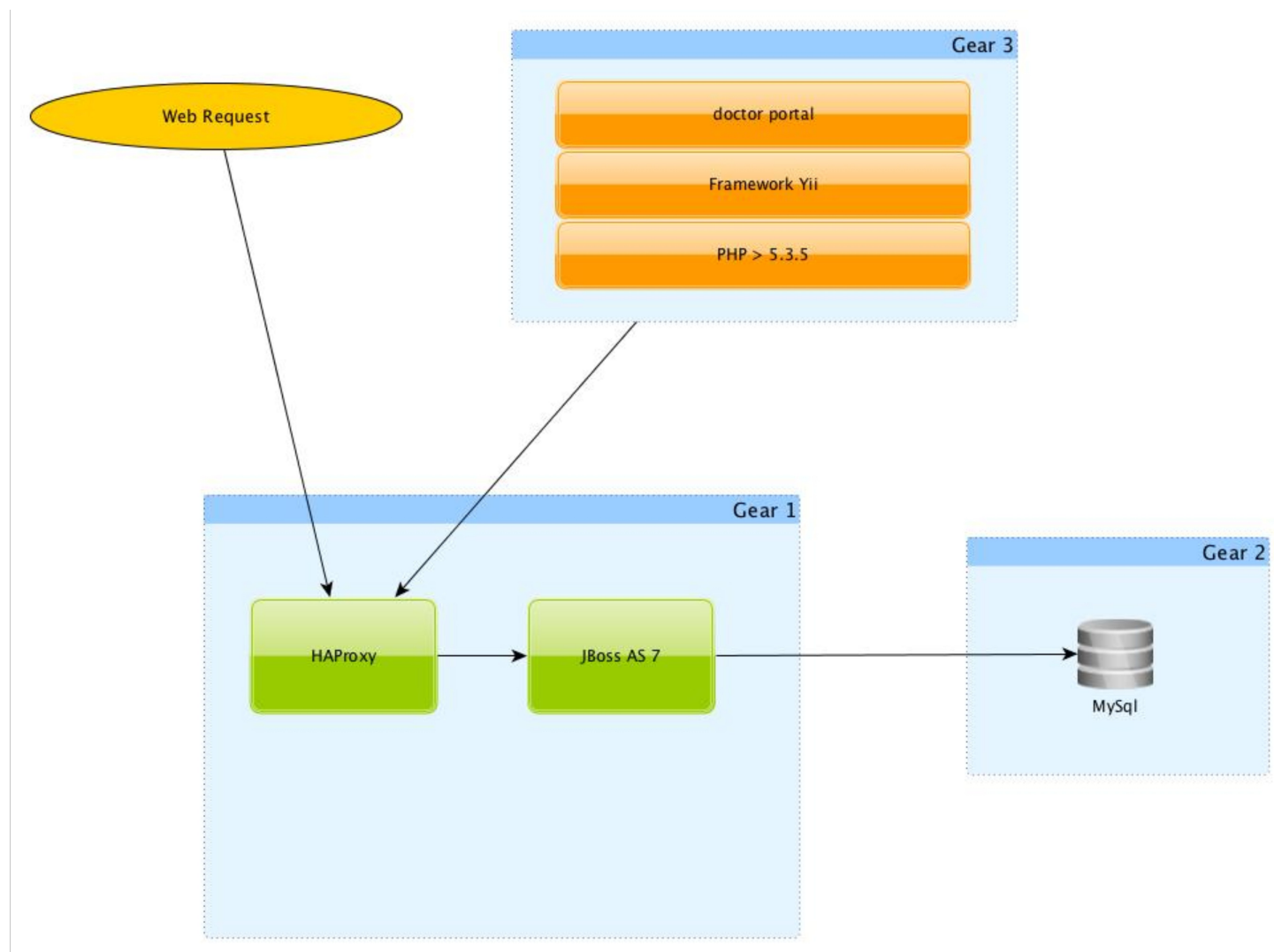


# Use Case : projet de recherche « eHealth »

Projet européen sur  
la Télémédecine




# Use Case : déploiement OpenShift



# Création de l'application (1)

New OpenShift Application

**Sign in to OpenShift**  
Please provide your OpenShift credentials.



**OPENSIFT**

If you do not have an account on OpenShift, please sign up [here](#).

Connection: <New Connection>


Use default server

Server:

Username:

Password:


Save password (could trigger secure storage login)



# Création de l'application (2)

New OpenShift Application

**New or existing OpenShift Application**  
Create a new OpenShift Application.



**OPENSIFT**

Domain:  [Manage Domains](#)

Existing Application

Use existing application:

New application

Name:

Type:

Gear profile:   Enable scaling

Embeddable Cartridges


<input type="checkbox"/>	10gen Mongo Monitoring Service Agent (10gen-mms-agent-0.1)	<input data-bbox="1221 739 1329 763" type="button" value="Select All"/> <input data-bbox="1207 789 1329 811" type="button" value="Deselect All"/>
<input type="checkbox"/>	Cron 1.4 (cron-1.4)	
<input type="checkbox"/>	Jenkins Client (jenkins-client-1)	
<input type="checkbox"/>	MongoDB 2.4 (mongodb-2.4)	
<input checked="" type="checkbox"/>	MySQL 5.1 (mysql-5.1)	
<input type="checkbox"/>	MySQL 5.5 (mysql-5.5)	
<input type="checkbox"/>	OpenShift Metrics 0.1 (metrics-0.1)	
<input type="checkbox"/>	PostgreSQL 8.4 (postgresql-8.4)	
<input type="checkbox"/>	PostgreSQL 9.2 (postgresql-9.2)	
<input type="checkbox"/>	RockMongo 1.1 (rockmongo-1.1)	
<input type="checkbox"/>	SwitchYard 0.8.0 (switchyard-0)	
<input type="checkbox"/>	Web Load Balancer (haproxy-1.4)	
<input type="checkbox"/>	phpMyAdmin 4.0 (phpmyadmin-4)	
<input type="checkbox"/>		
<input type="checkbox"/>		

# Création de l'application (3)

New OpenShift Application

**Import an existing OpenShift application**

Configure the cloning settings by specifying the clone destination if you create a new project, and the git remote name if you're using an existing project.



OPENSIFT

Cloning settings

Use default clone destination

Git Clone Destination:

Use default remote name

Remote name:

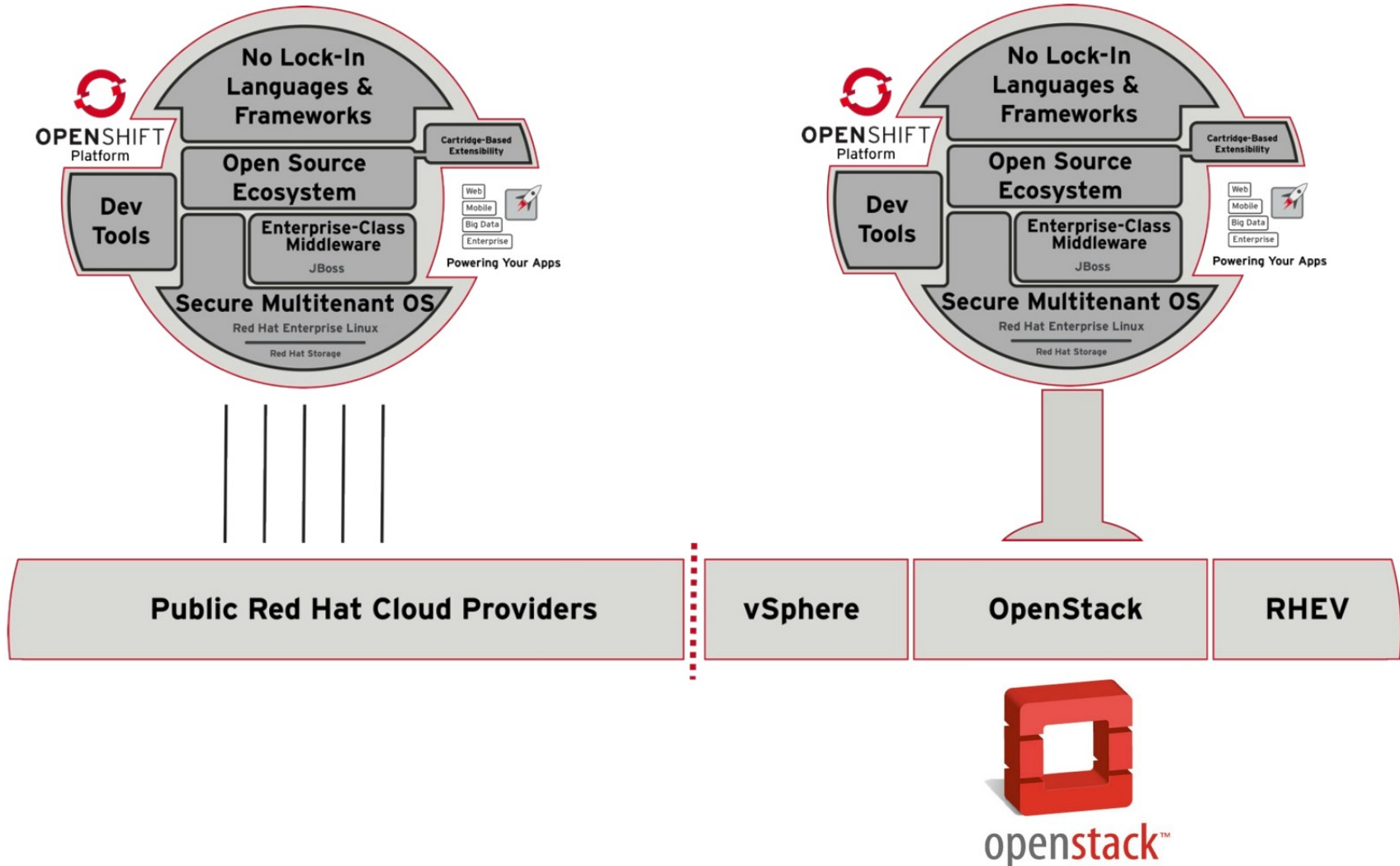
Make sure that you have SSH keys added to your OpenShift account [fabian.steels@cetic.be](mailto:fabian.steels@cetic.be) via [SSH Keys wizard](#) and that the private keys are listed in [SSH2 Preferences](#)



Démonstration

# Pour aller plus loin

- Openshift sur OpenStack





Your Connection to **ICT** Research


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# Des questions?

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