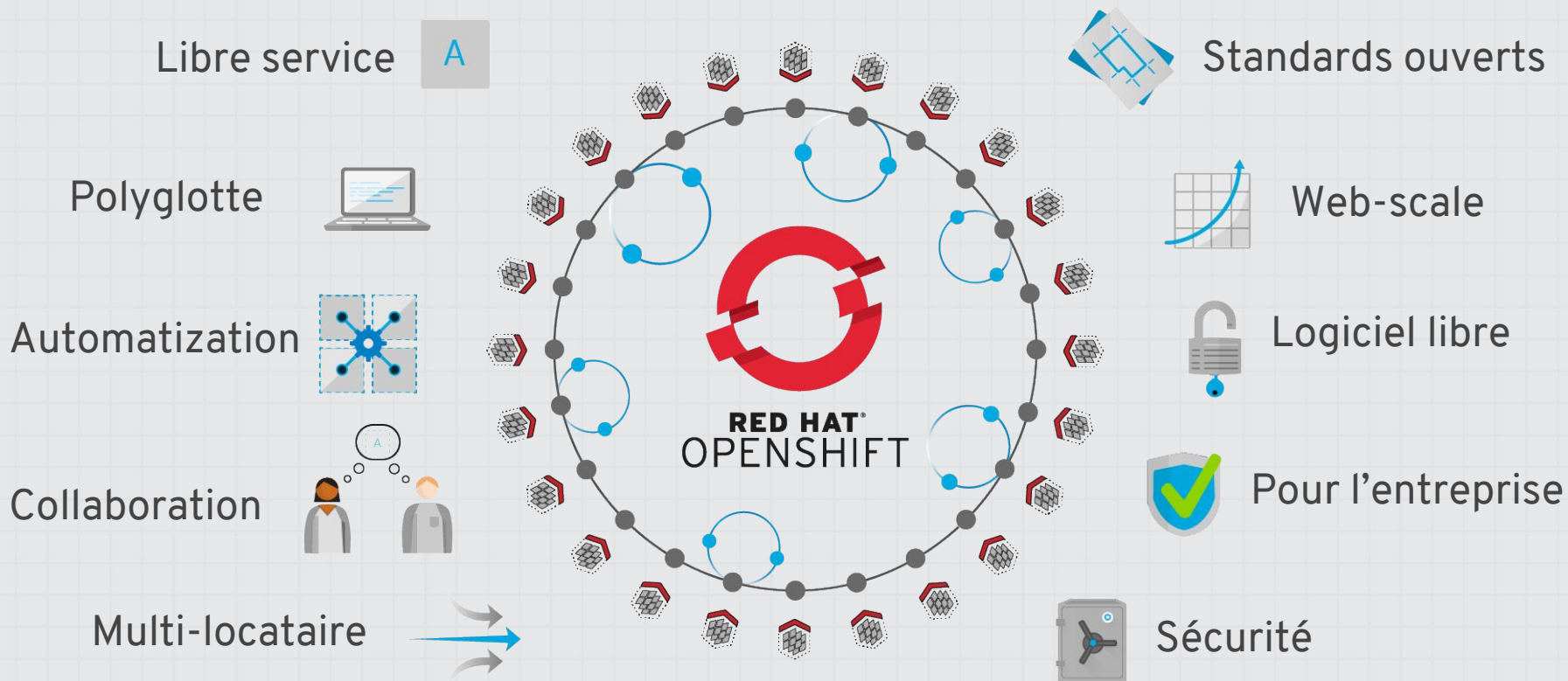
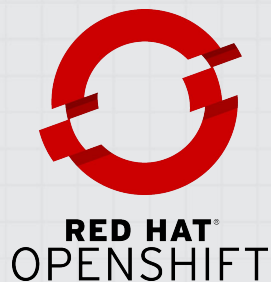
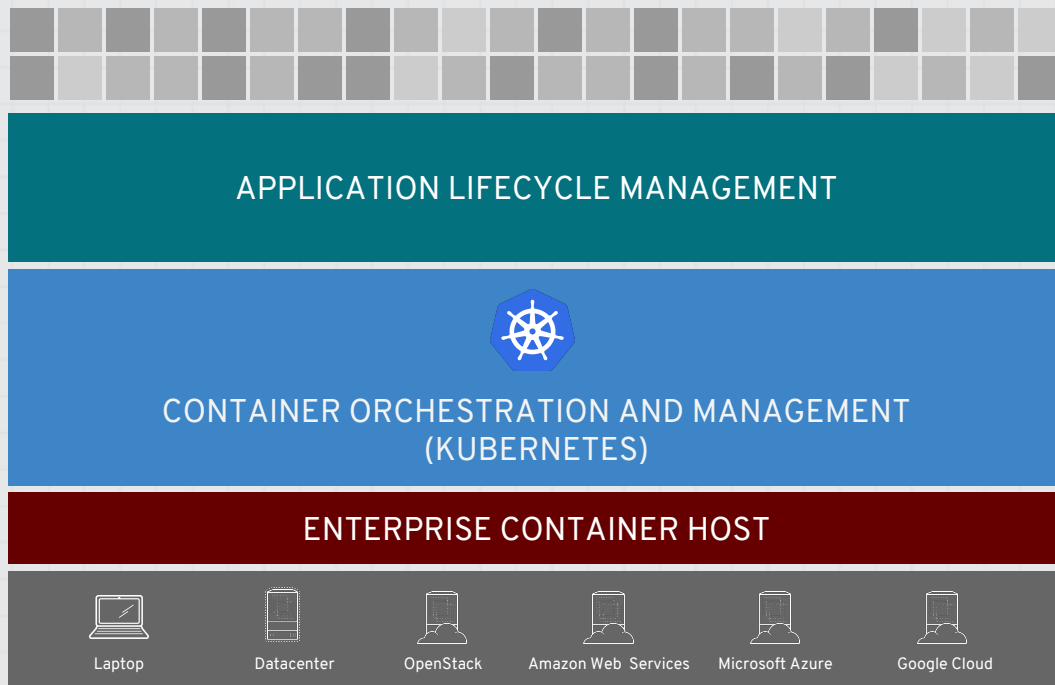


Red Hat OpenShift Container Platform



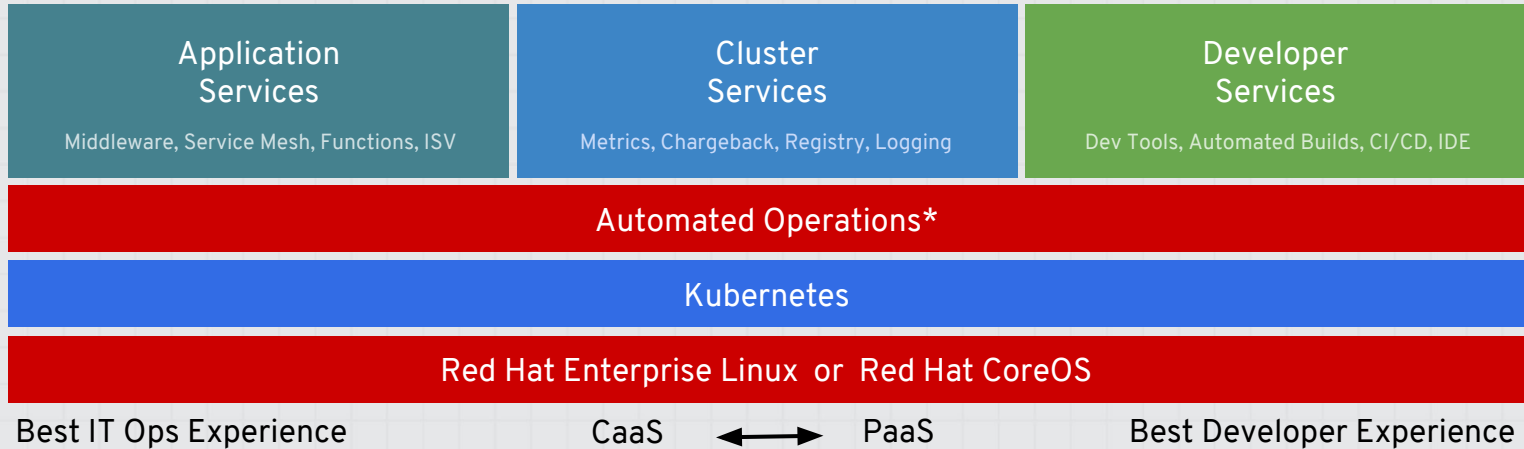


OPENSIFT CONTAINER PLATFORM



Infrastructure

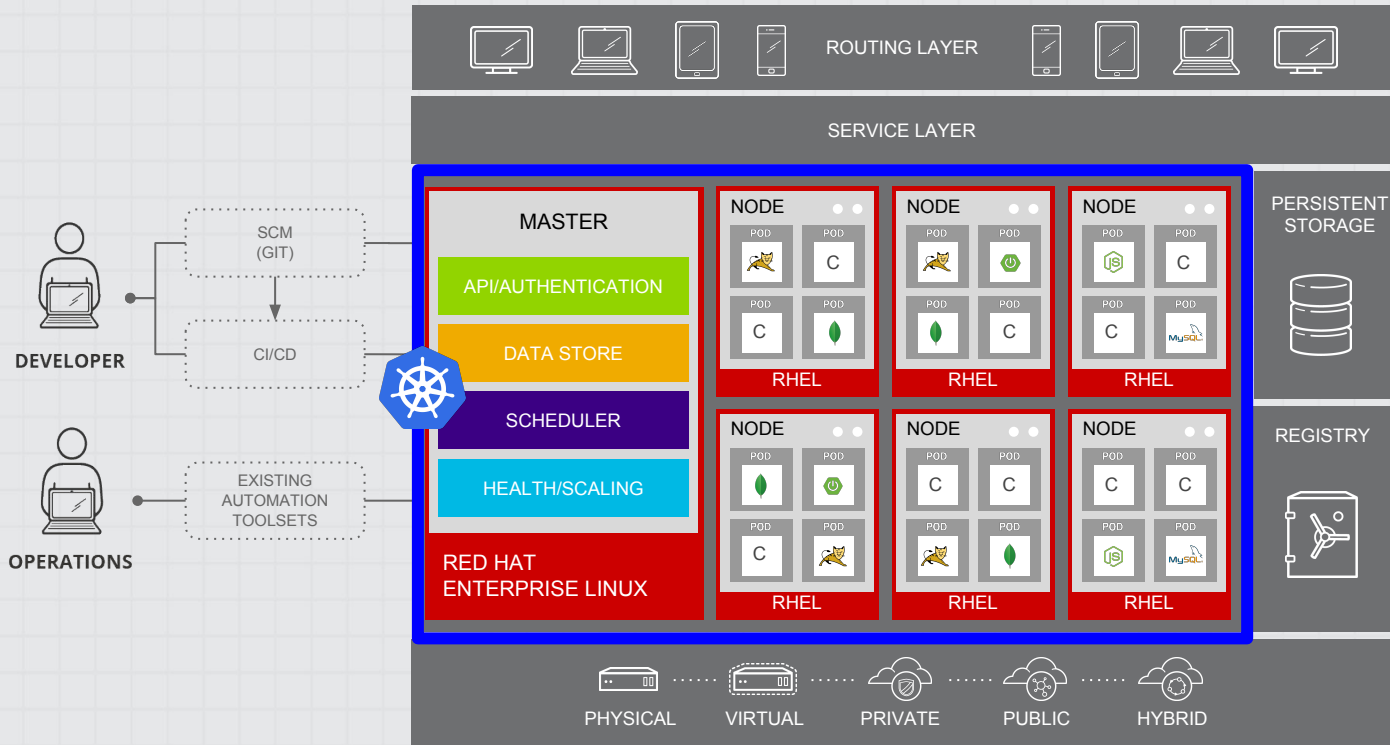
OPENSIFT CONTAINER PLATFORM



*coming soon

Red Hat OpenShift Container Platform

APERÇU HAUT NIVEAU



KUBERNETES SIGs - ENGINEERING LEADERSHIP

RED HAT LEAD or CO-LEAD

15 of 33
GROUPS

API MACHINERY	AWS	APPS	ARCHITECTURE	AUTH	AUTO SCALING
AZURE	BIG DATA	CLI	CLUSTER LIFECYCLE	CLUSTER OPS	CONTRIBUTOR EXPERIENCE
DOCS	INSTRUMENTATION	MULTI CLUSTER	NETWORK	NODE	ON-PREM
OPENSTACK	PRODUCT MANAGEMENT	RELEASE	SCALABILITY	SCHEDULING	SERVICE CATALOG
STORAGE	TESTING	UI	WINDOWS	APP DEF	CLUSTER API
CONTAINER IDENTITY	KUBEADM ADOPTION	RESOURCE MANAGEMENT			

Red Hat OpenShift Container Platform

UNE PLATE-FORME OUVERTE

LANGUAGES

Java	NodeJS	Python	PHP	Perl	Ruby	.NET Core
------	--------	--------	-----	------	------	-----------

Third-party
Language
Runtimes

CRUNCHYDATA

BASES DE
DONNÉES

MySQL	PostgreSQL	MongoDB	Redis	MS SQL
-------	------------	---------	-------	--------

...et
virtuellement
n'importe quel
image docker
que vous
trouverai

Third-party
Databases

GITLAB

IRON.IO

COUCHBASE

SONATYPE

SERVEURS
WEB

Apache HTTP Server	nginx	Varnish	Phusion Passenger	Tomcat
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Third-party
App
Runtimes

ENTERPRISEDB

NUODB

FUJITSU

INTERGICIELS

Spring Boot	Wildfly Swarm	.NET	JBoss Web Server	JBoss EAP	JBoss A-MQ	JBoss Fuse
-------------	---------------	------	------------------	-----------	------------	------------

Third-party
Middleware

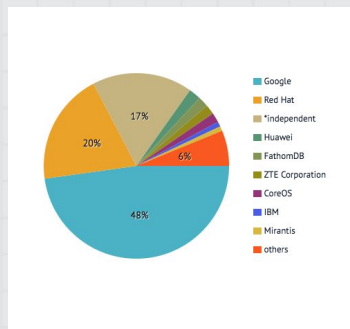
AND MANY MORE

3SCALE API mgmt	JBoss BRMS	JBoss BPMS	JBoss Data Virt	JBoss Data Grid	RH Mobile	RH SSO
-----------------	------------	------------	-----------------	-----------------	-----------	--------

Third-party
Middleware

POURQUOI OPENSIFT EST LE MEILLEUR CHOIX DE KUBERNETES – LES 4 C

CODE



Red Hat est le principal développeur et collaborateur de Kubernetes avec Google. Nous rendons le développement de conteneurs facile, fiable et sécurisé.

CLIENTS



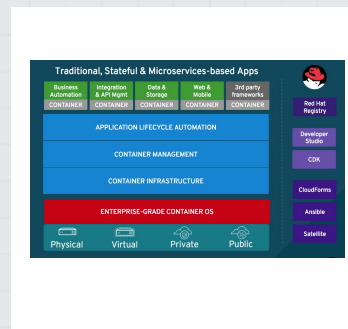
La plupart des clients références sont en production. Des années d'expérience opérationnelle avec OpenShift Online and OpenShift Dedicated services.

CLOUD

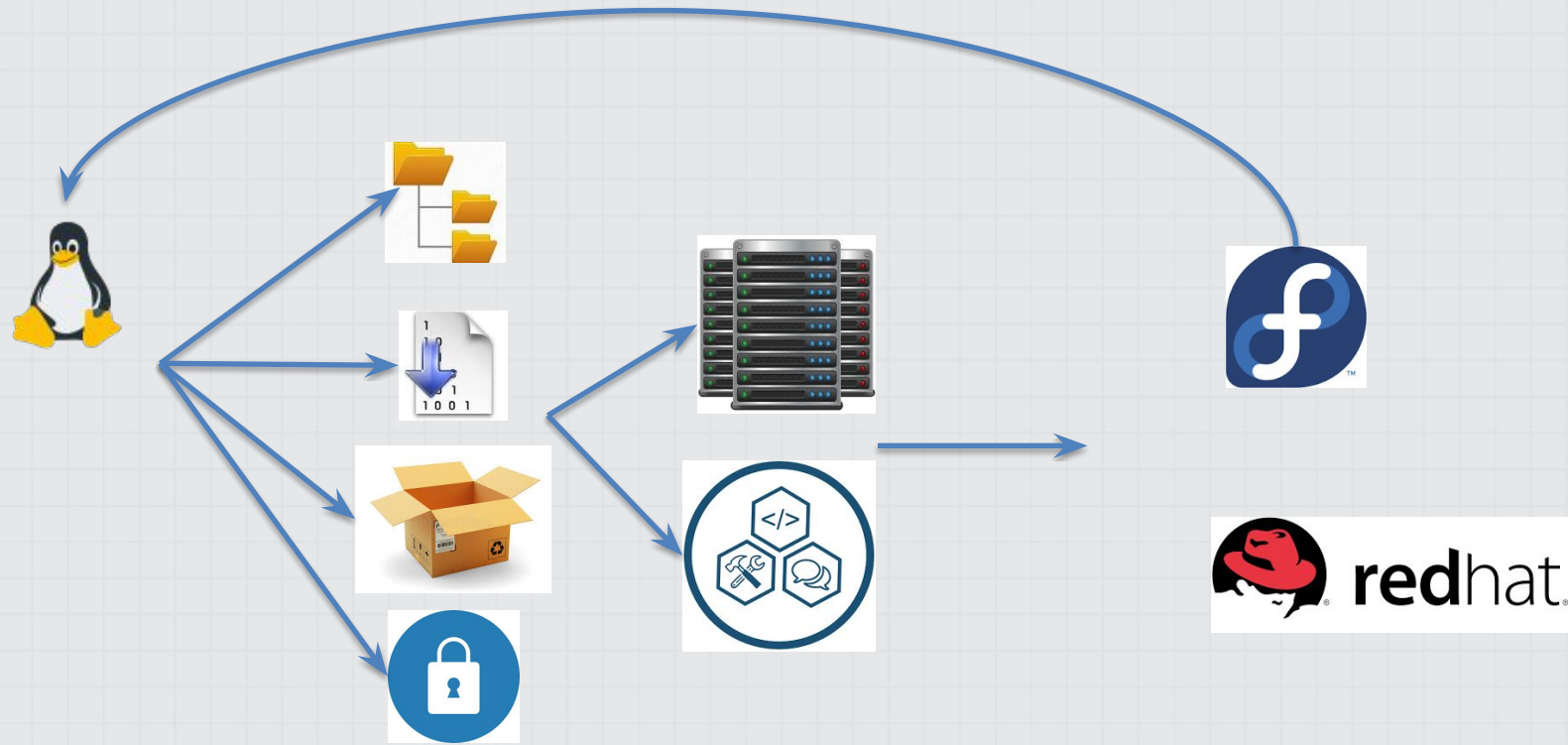


Solide partenariats avec les fournisseurs infonuagiques cloud, ISVs, CCSPs. Un catalogue étendue d'image certifiées de partenaires

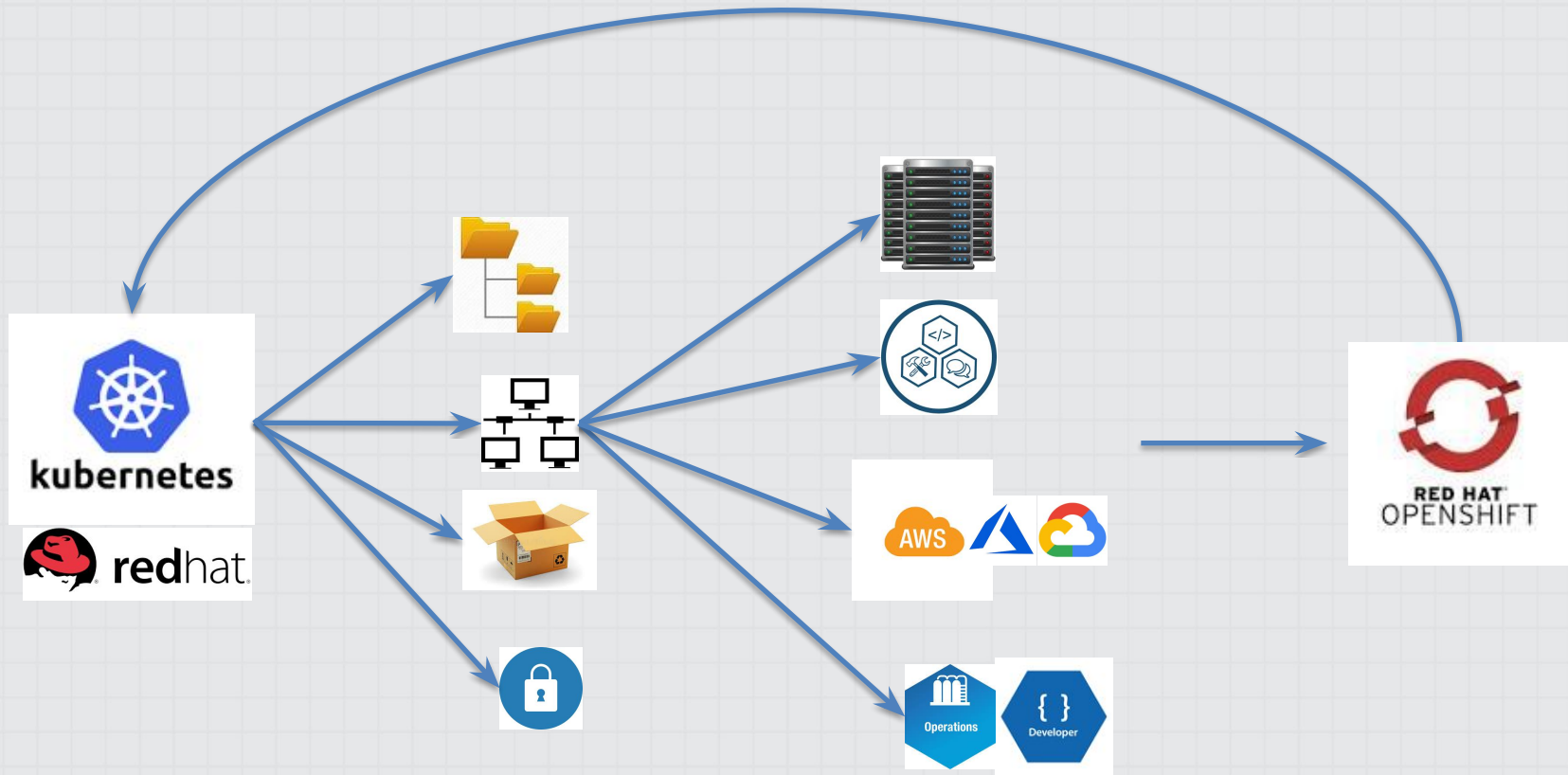
COMPLÈTE



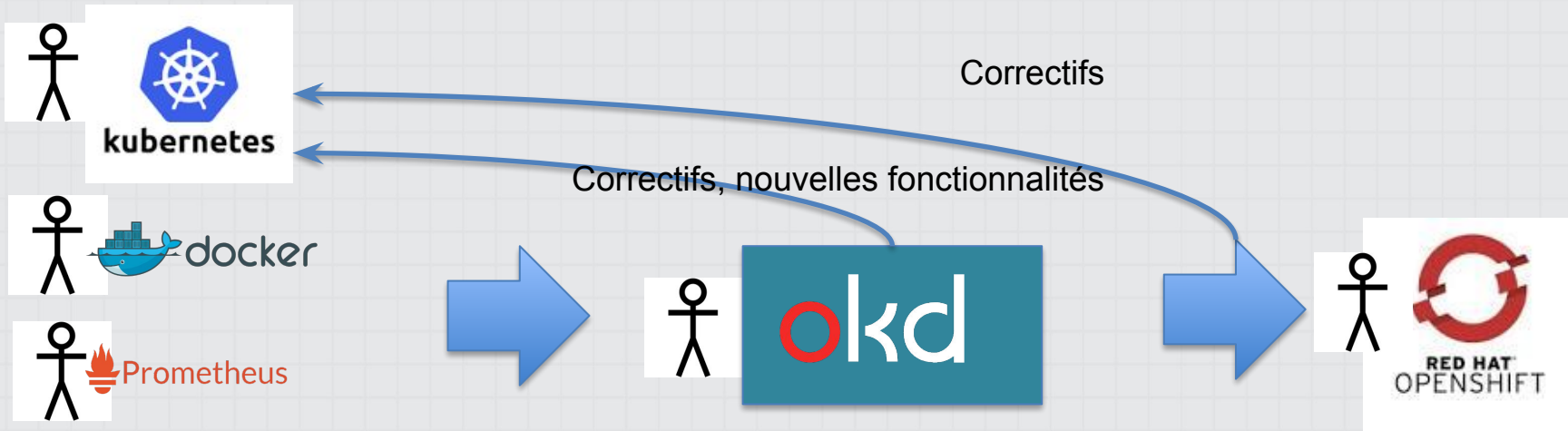
Portefeuille complet de produits et services de conteneur, y compris les outils de développement, la sécurité, les services d'application, le stockage et la gestion.



Systeme d'exploitation traditionnel



Systeme d'exploitation du cloud hybride



- Développement
- Stratégie
- Collaboration
- Leadership

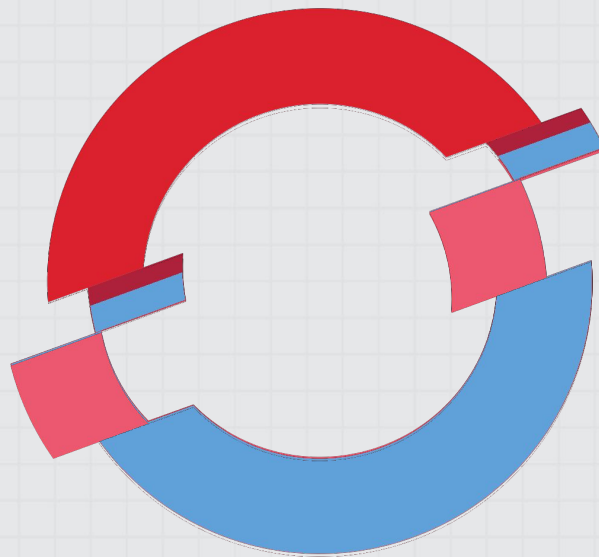
- Innovation
- Environnement de développement
- Tests Intégrés

- Tests E2E
- Tests sécurité
- Certifications plateforme
- Certifications cloud
- Certifications ISV

OpenShift 4 – nouveautés

Une plateforme simple d'automatisation du Cloud hybride

1. Plateforme basée sur les operateurs
2. Une unité d'automatisation
3. Marketplace

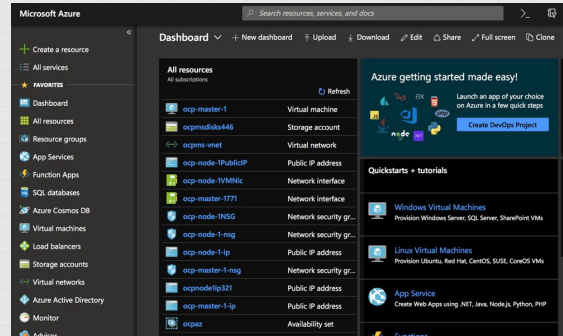


Operators

Operators = Automatisés comme le cloud

DISPONIBLE
MAINTENANT

Votre application... Automatisée comme le cloud



Mais roulez sur....



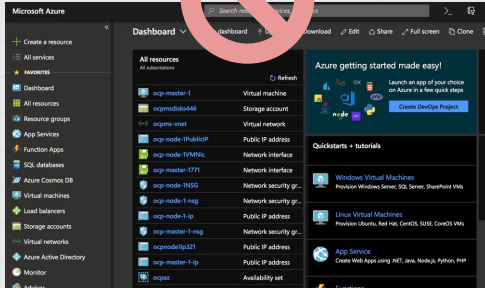
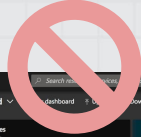
Operators = Expérience Kubernetes native

DISPONIBLE MAINTENANT

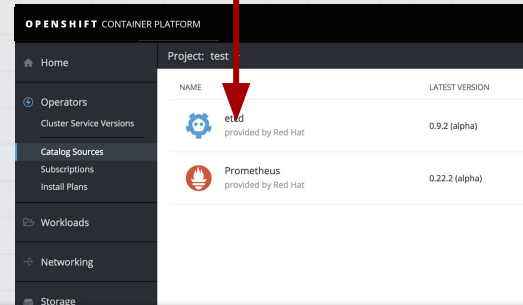
Votre application



Impossible d'enregistrer
comme service natif du
fournisseur infonuagique

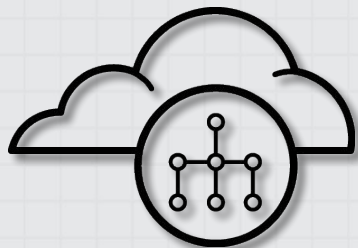


Support natif sur OpenShift, par UI
ou CLI.

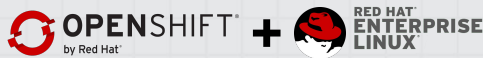
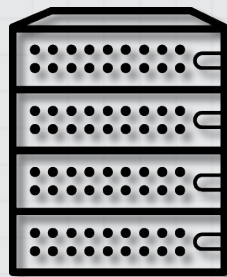


```
$ oc get mongodbs
$ oc scale --replicas=3 mongodb/example
```

OpenShift 4 Expériences d'installation

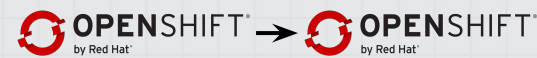
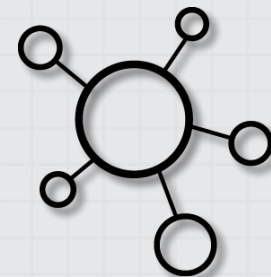


Next Gen Installer
Opinionated “Best Practices”
single cluster provisioning



Node Customization
RHEL host based
single cluster provisioning

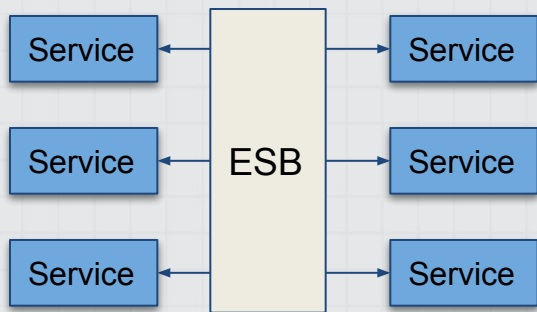
À venir



Cluster Operator
Multi-cluster provisioning
& orchestration

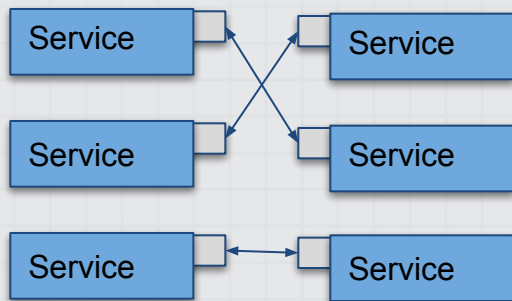
Architecture applicative

Le monde change.... Chaque utilisateur est unique.



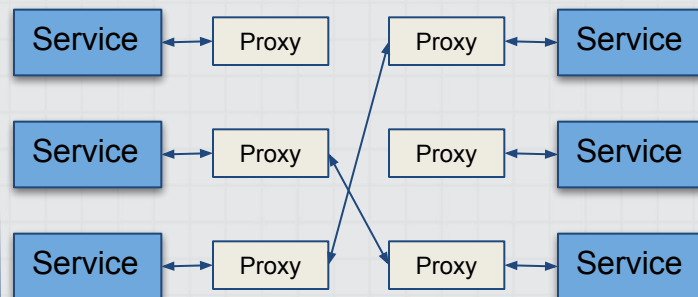
**Architecture
Orientée Service**

- Dumb Endpoints
- Smart Pipe



**Architecture
Micro-Services**

- Smart Endpoints
- Dumb Pipe



**Architecture
Infonuagique (CNA)**

- Dumb Service
- Smart Platform

Kubernetes

Service Mesh
Kubernetes

Istio - What's different?

Istio is an “operator first product” (using Operator Framework)-
<https://github.com/Maistra/istio-operator>

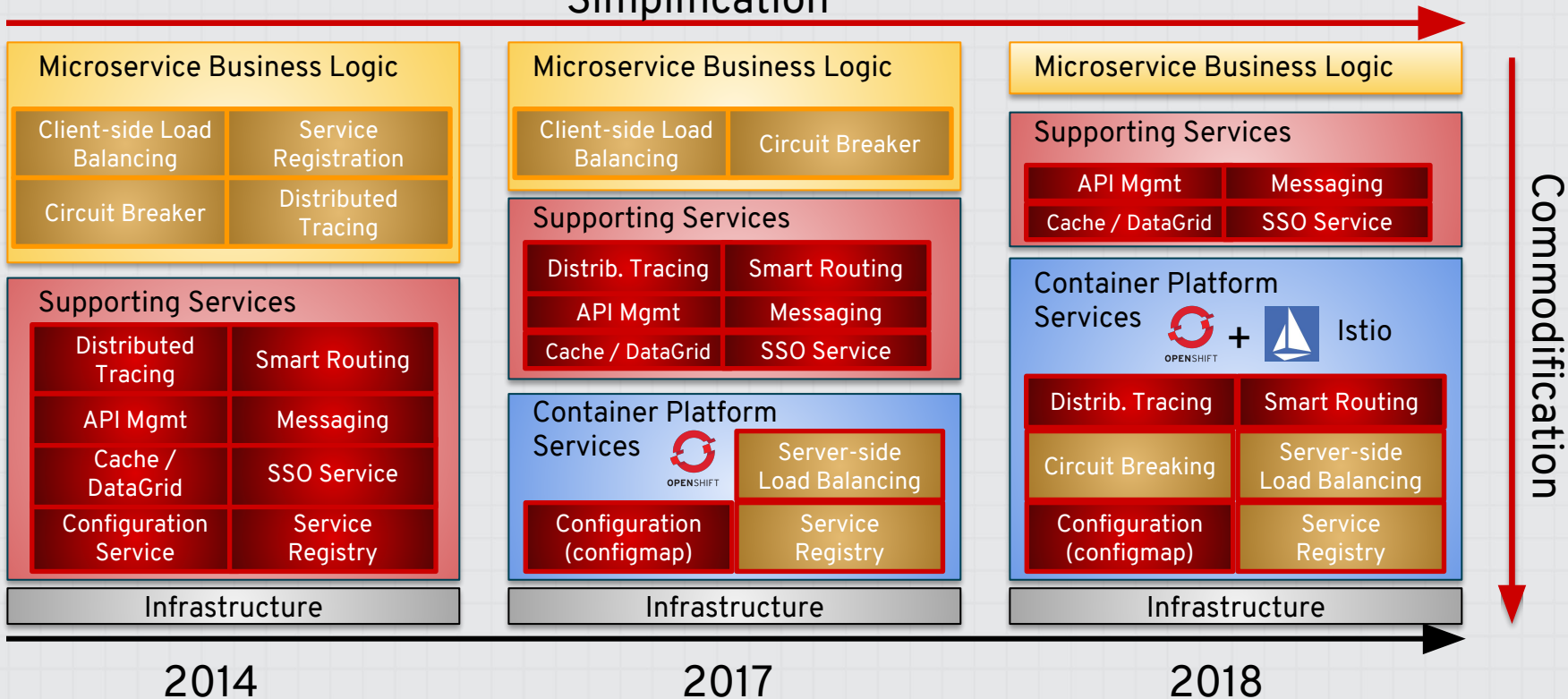
The operator manages the install. In the future it will manage updates as well.

Istio is delivered as *containers*, **not** RPMs

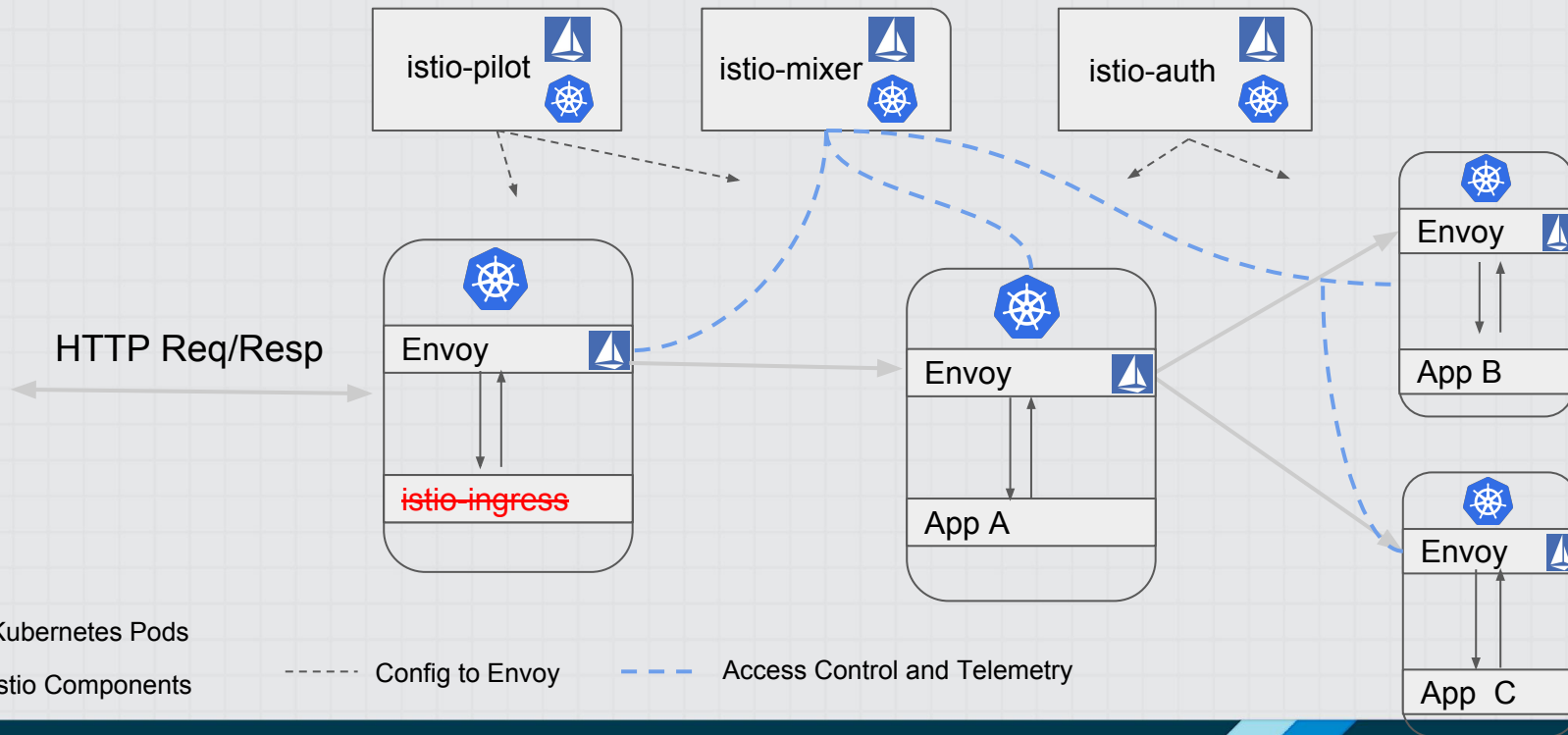
Tech Preview soon with install docs in the OpenShift Container Platform & Origin docs (look under “service mesh install”)

Evolution of Microservices Platform

Simplification



Istio Service Mesh



Windows Containers - Developer Preview

Drop 1: August 27

- Red Hat OpenShift Container Platform 3.9
- RHEL 7.5
- Microsoft Windows Server Core 1709
- Kubernetes Windows Kubelet 1.9.9
- Red Hat Ansible 2.4.6
- CloudBase Solutions Open vSwitch(tm) (OVS) for Hyper-V 2.7.0

Drop 2: October

- Red Hat OpenShift Container Platform 3.10/3.11
- RHEL 7.5
- Microsoft Windows Server Core 1803
- Kubernetes Windows Kubelet 1.10/1.11
- Red Hat Ansible 2.4.6
- CloudBase Solutions Open vSwitch(tm) (OVS) for Hyper-V 2.7.0

Container OS version	Host OS version	Windows Server 2016 Builds: 14393.	Windows 10 1609, 1703 Builds: 14393., 15063.	Windows Server version 1709 Builds 16299.	Windows 10 Fall Creators Update Builds 16299.	Windows Server version 1803 Builds 17134.	Windows 10 version 1803 Builds 17134.
Windows Server 2016 Builds: 14393.	Supports process or hyperv isolation	Supports Only hyperv isolation	Supports Only hyperv isolation	Supports Only hyperv isolation	Supports Only hyperv isolation	Supports Only hyperv isolation	Supports Only hyperv isolation
Windows Server version 1709 Builds 16299.	Not supported	Not supported	Supports process or hyperv isolation	Supports Only hyperv isolation	Supports Only hyperv isolation	Supports Only hyperv isolation	Supports Only hyperv isolation



Know if you are going to get a [VM or a container!](#)

OpenShift

- Master
- App – Linux containers

RHEL 7.5



Node

App – Windows containers

Windows DataCenter Core

Windows Semi-Annual Channel

- Only core option, no server. Nano available for containers
- Release 1709, 1803
- 18 months support

Red Hat OpenShift Container Platform dans Microsoft Azure

Microsoft Azure et OpenShift

- Des solutions communes qui permettent la transformation numérique et aident les organisations à rester compétitives dans des marchés en évolution rapide
- Aidez les services informatiques à développer et à proposer de nouvelles applications et services plus rapidement
- Fournir le choix, la flexibilité et la cohérence pour l'entreprise
- Créez facilement des infrastructures cloud hybrides sécurisées, évolutives et gérables
- Réduction des dépenses d'investissement et d'exploitation (CAPEX/OPEX)

Agenda de la journée

8:00-09:00	Accueil
9:00-9:30	Survol et partenariat
9:30-10:15	SQL Linux, SQL sur RHEL, SQL en Container
10:15-11:00	Automatisation - Ansible
11:00-11:45	OpenShift sur Azure
11:45-12:45	Lunch
12:45-13:30	Visual Studio Team Services - Azure Container Registry
13:30-13:45	Open Service Broker API + Azure SQL Database
13:45-14:30	Cloudforms (Hybrid cloud management)
14:30-14:45	Période de questions
14:45-15:00	Mot de la fin



THANK YOU



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