



Présentation d'OpenStack

Jeudis du libre

Mons, le 21 février 2013

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études



CETIC

Administrateur système et réseau

**Chercheur en grid puis cloud
computing depuis 2006**



Soutenir le développement économique régional



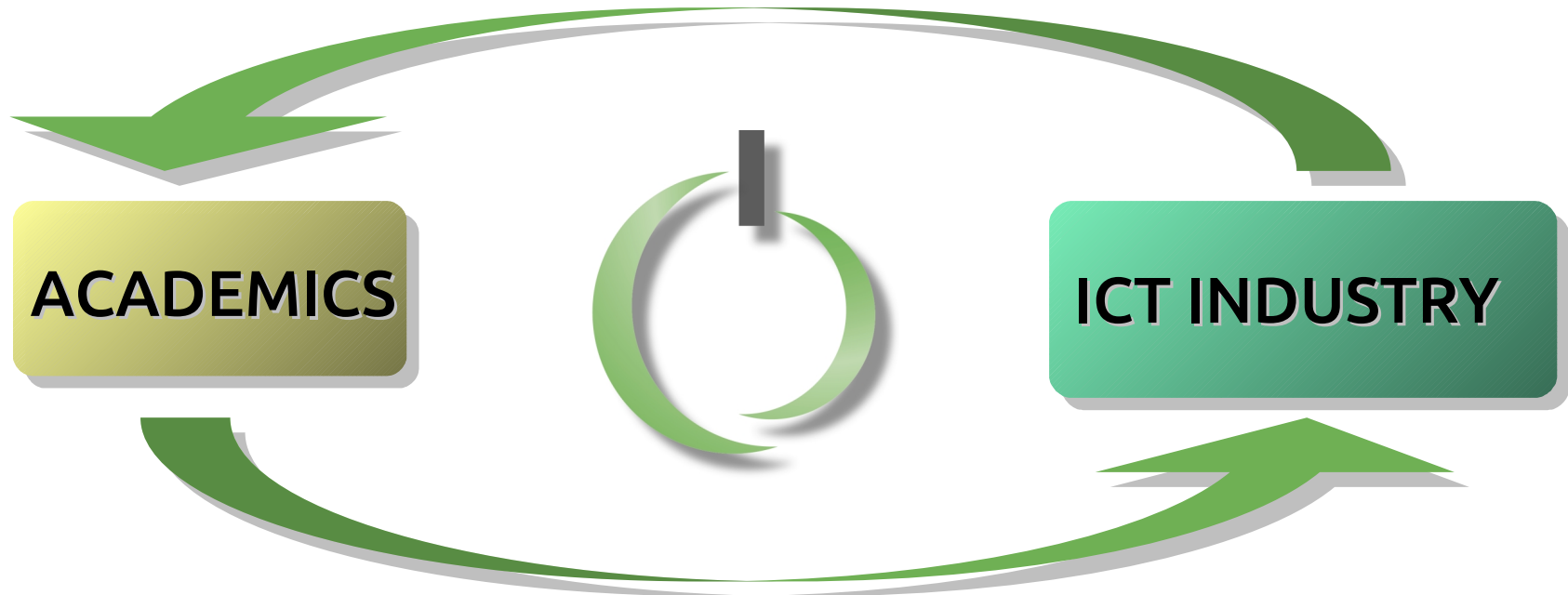
... en aidant les entreprises à innover et intégrer les TIC dans leurs produits, services et processus...



... grâce au développement d'une expertise pointue au CETIC

Positionnement du CETIC

Centre de R&D en TIC au service des entreprises



**Your Connection
to ICT Research**

- Recherche appliquée
- Etudes de faisabilité
- Preuve de concept
- Transfert technologique

du Grid au Cloud computing depuis 2004...



SAINT-CLOUD

Les entreprises déploient des clouds pour...

- ✓ **Répondre aux besoins de ressources**
- ✓ **Contrôler et superviser l'environnement**

Qu'est-ce que le cloud computing ?





356



356



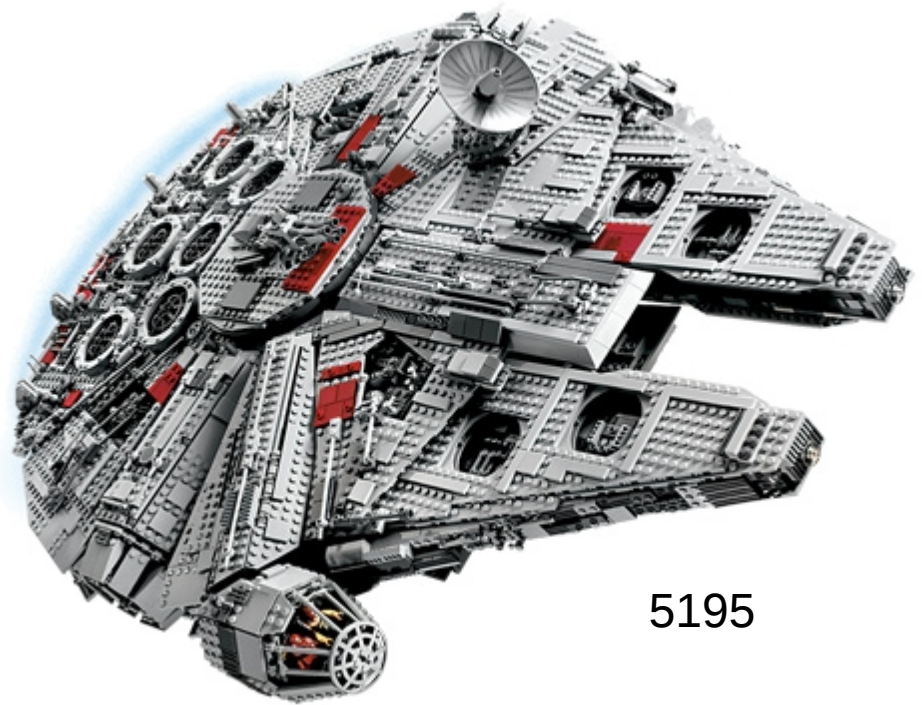
985



356

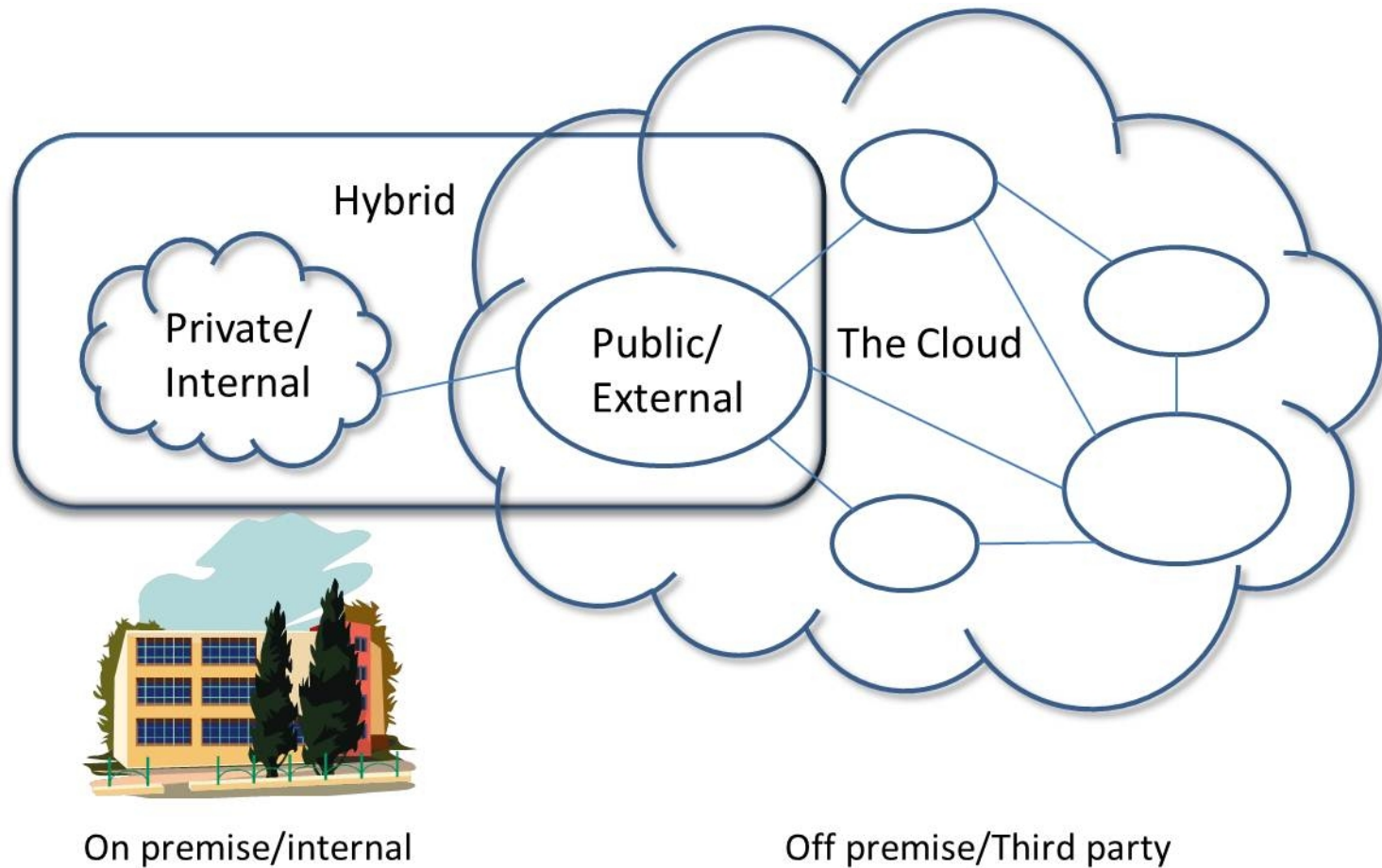


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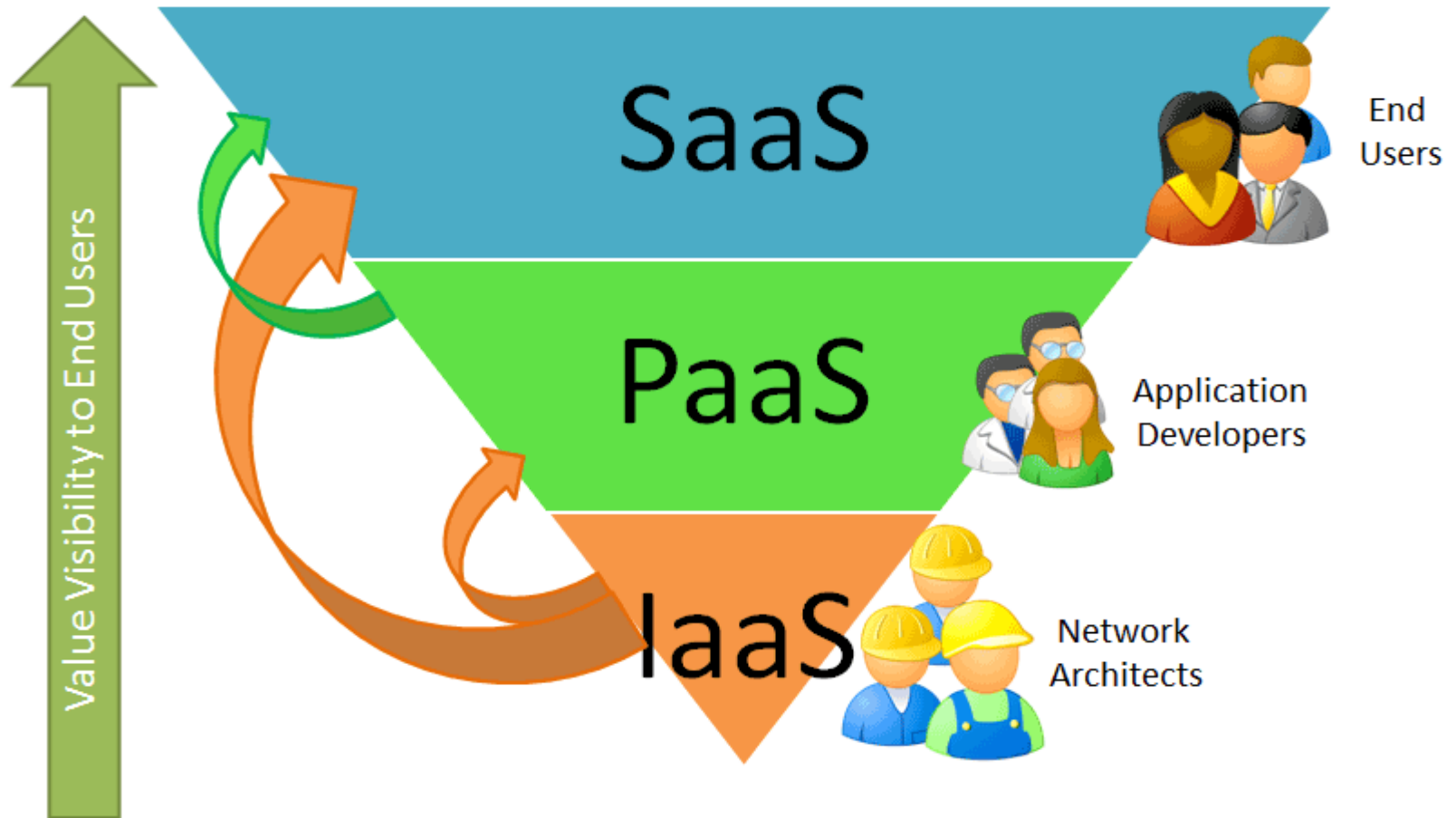
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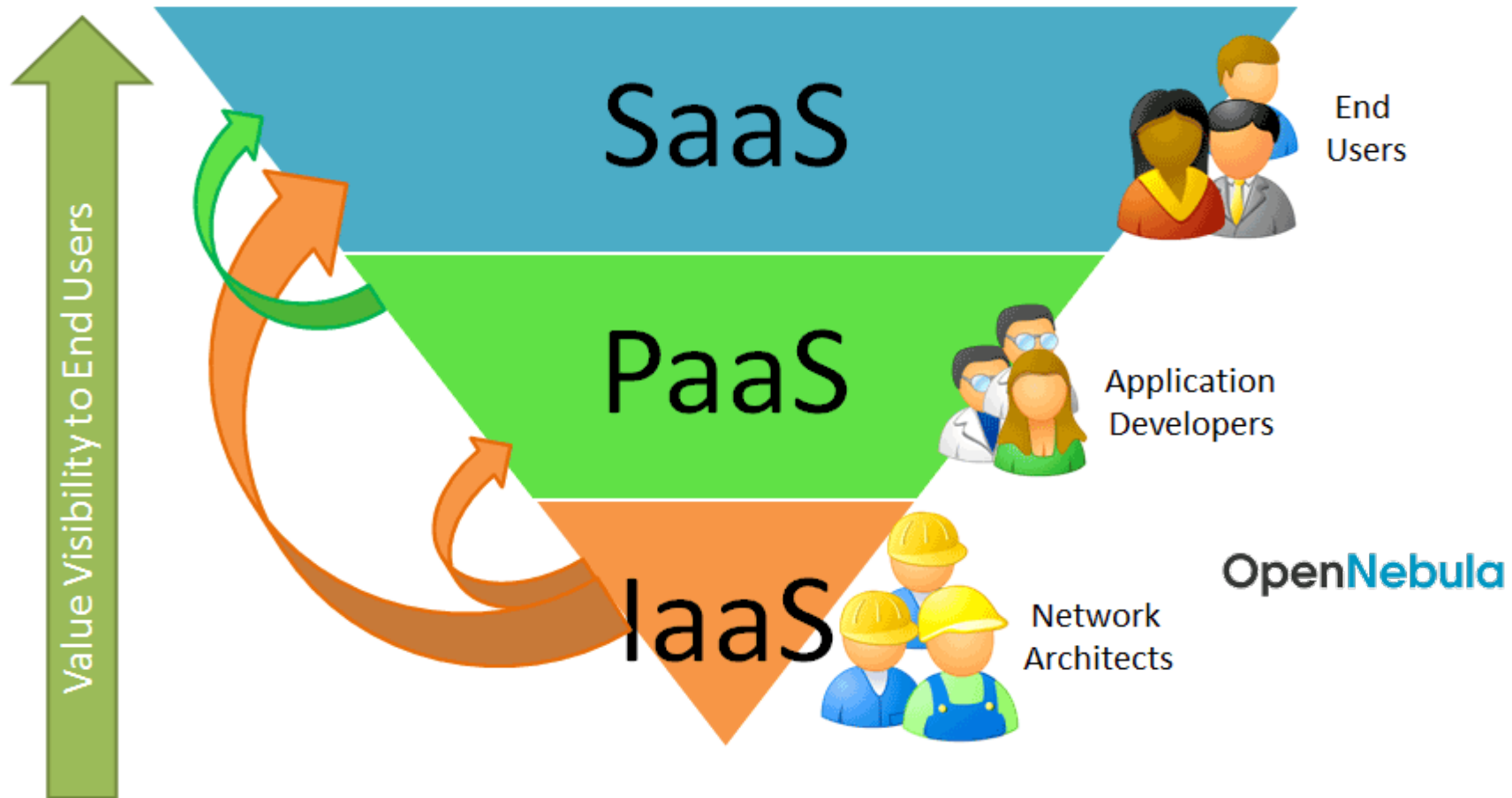




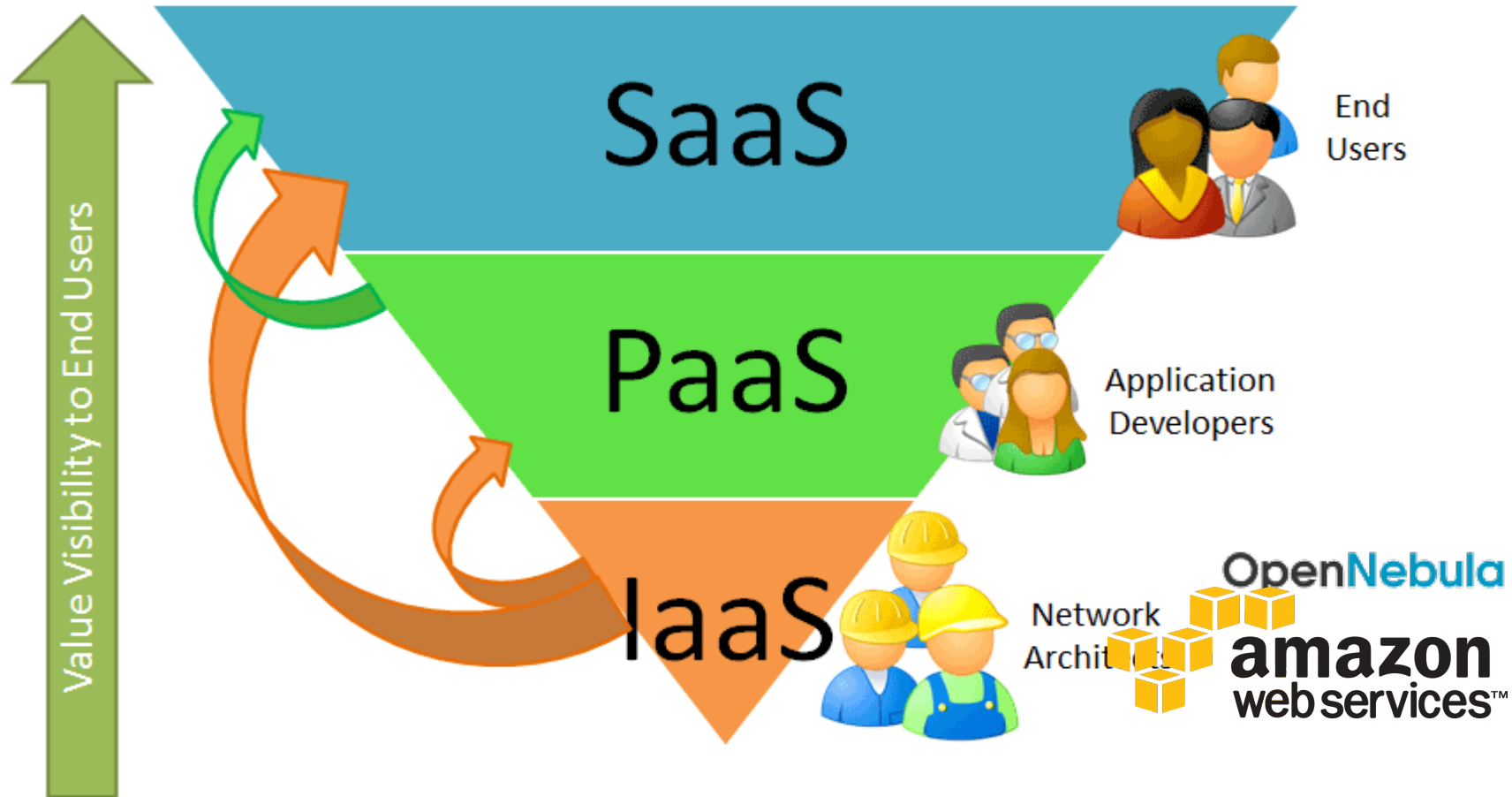
Cloud Computing Types

Niveaux de service

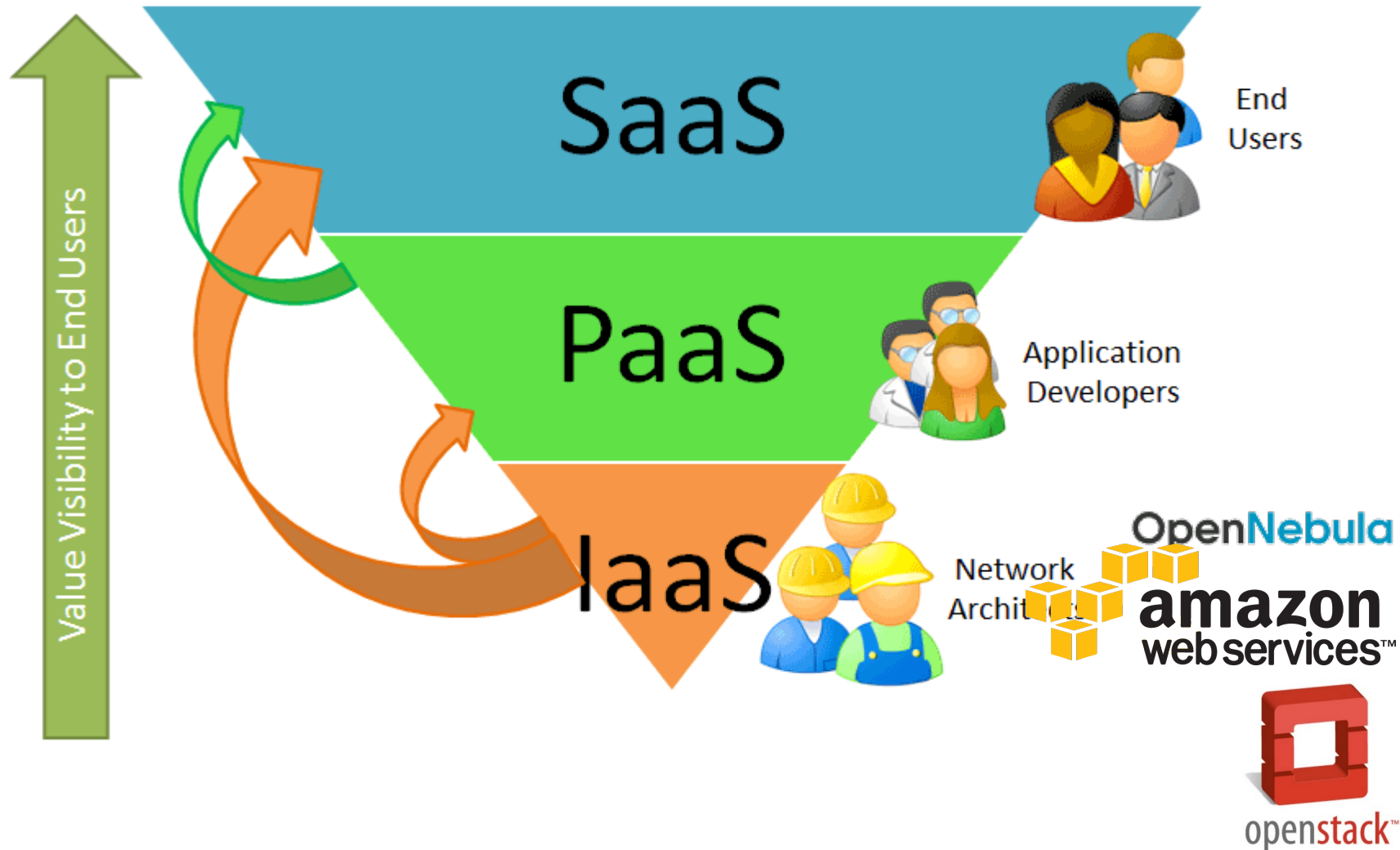




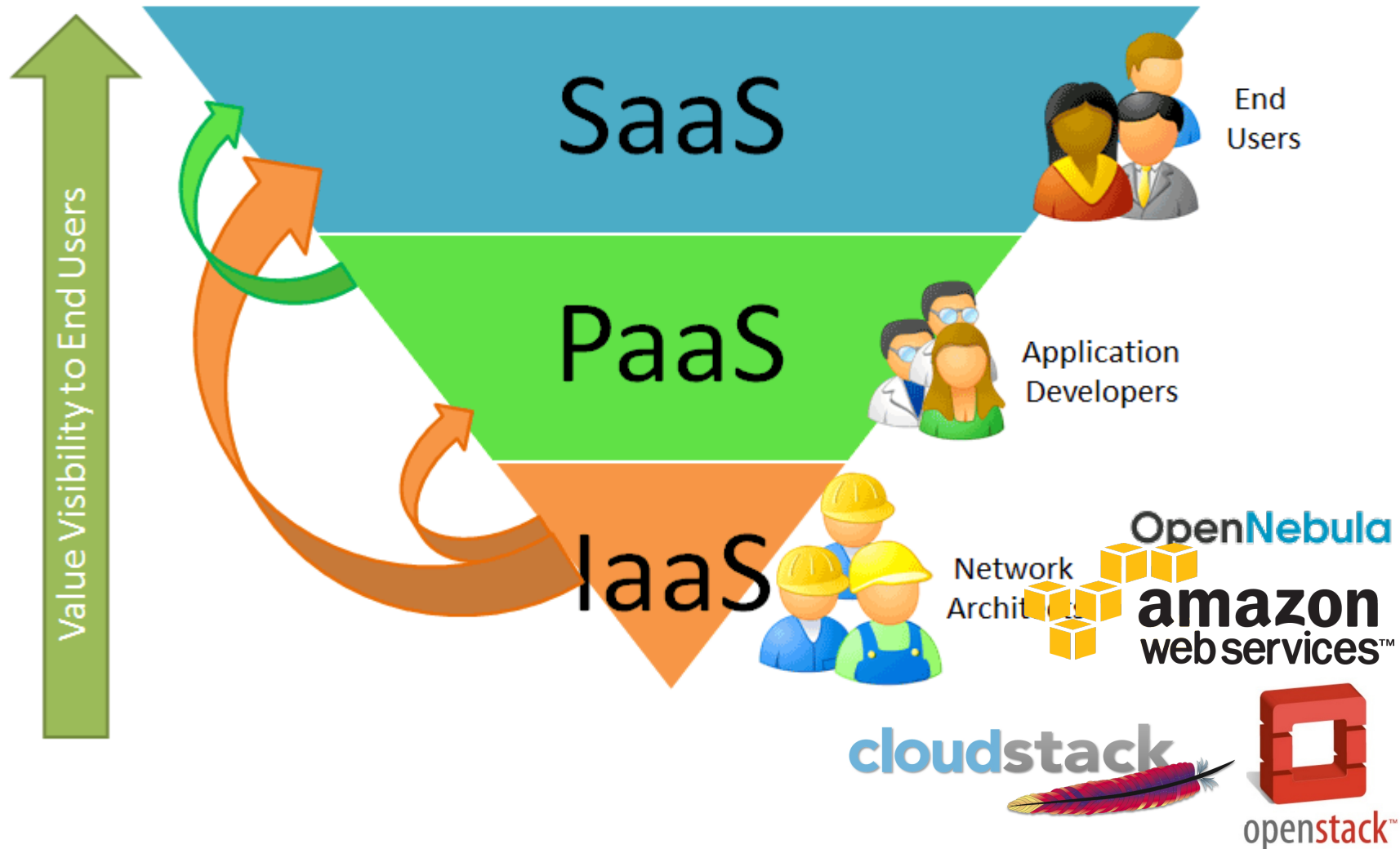
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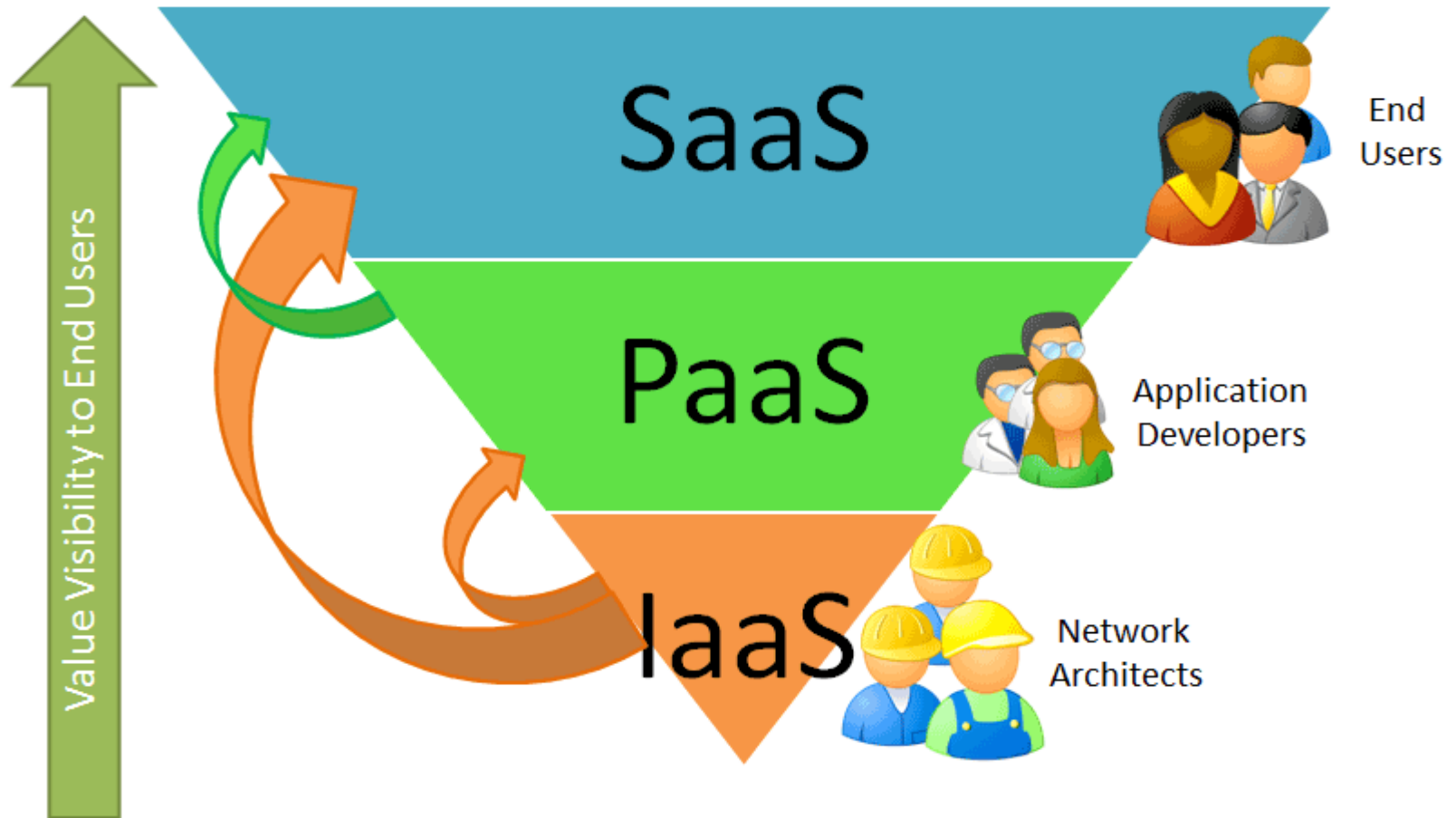
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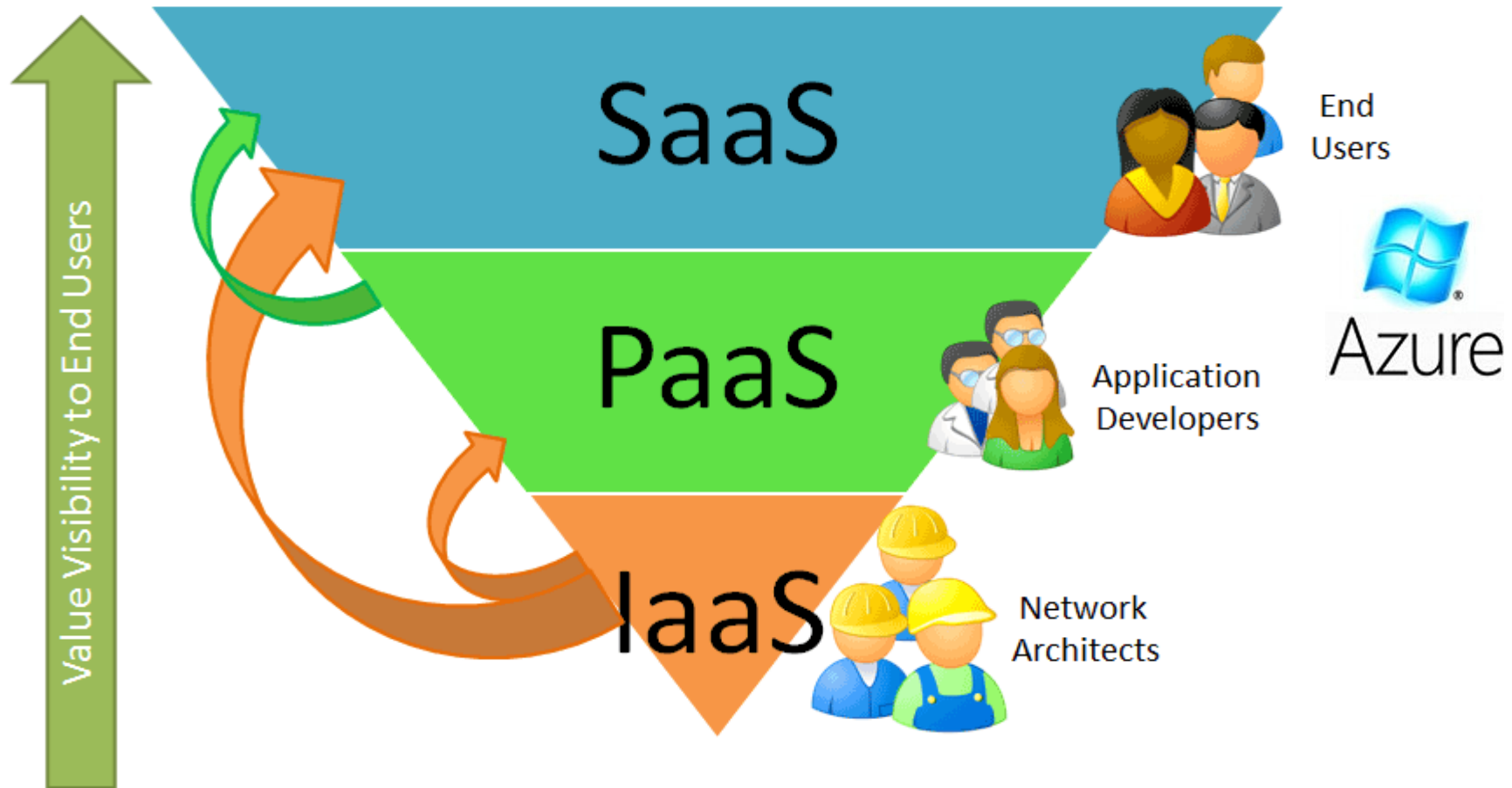
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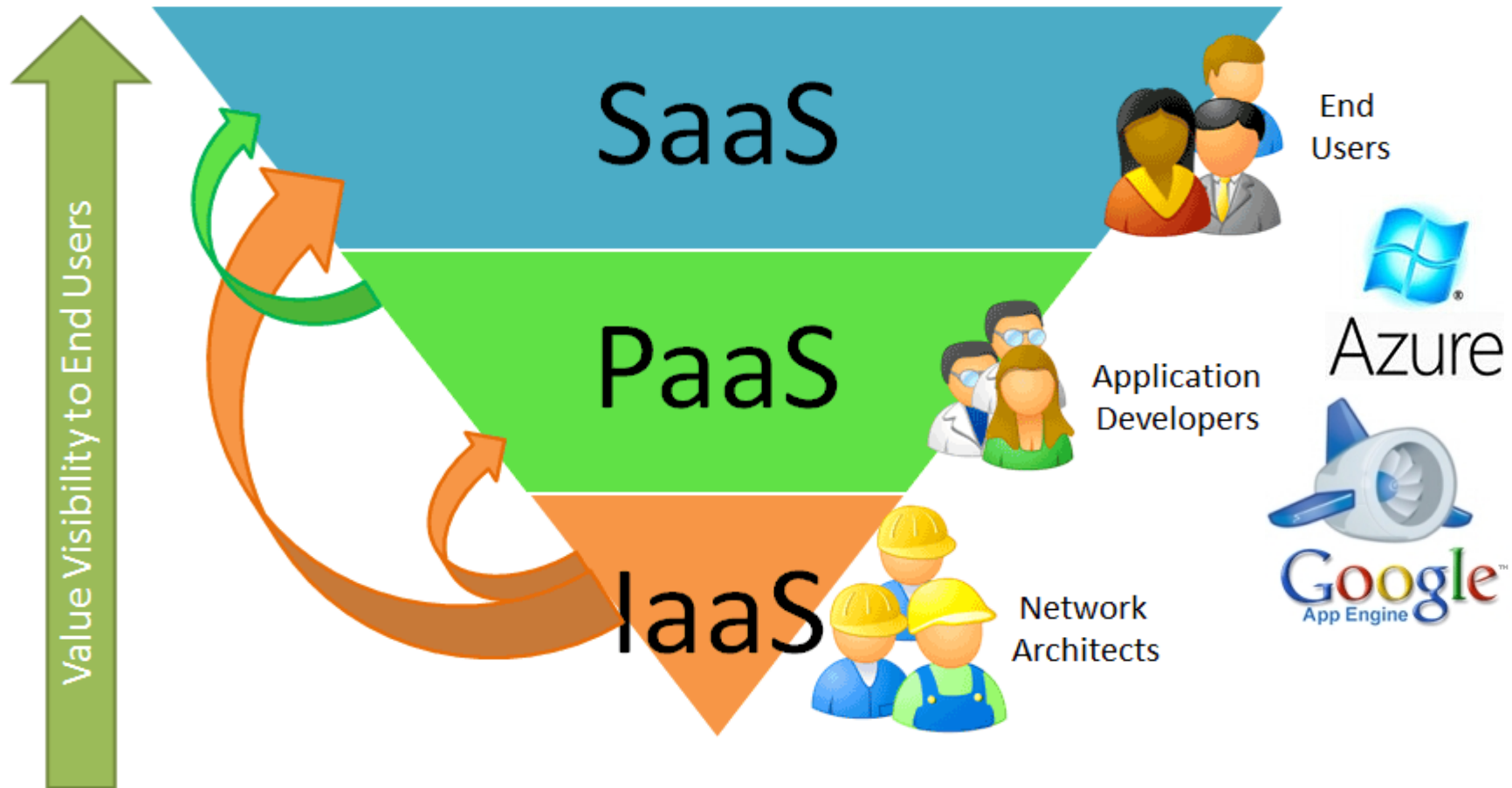
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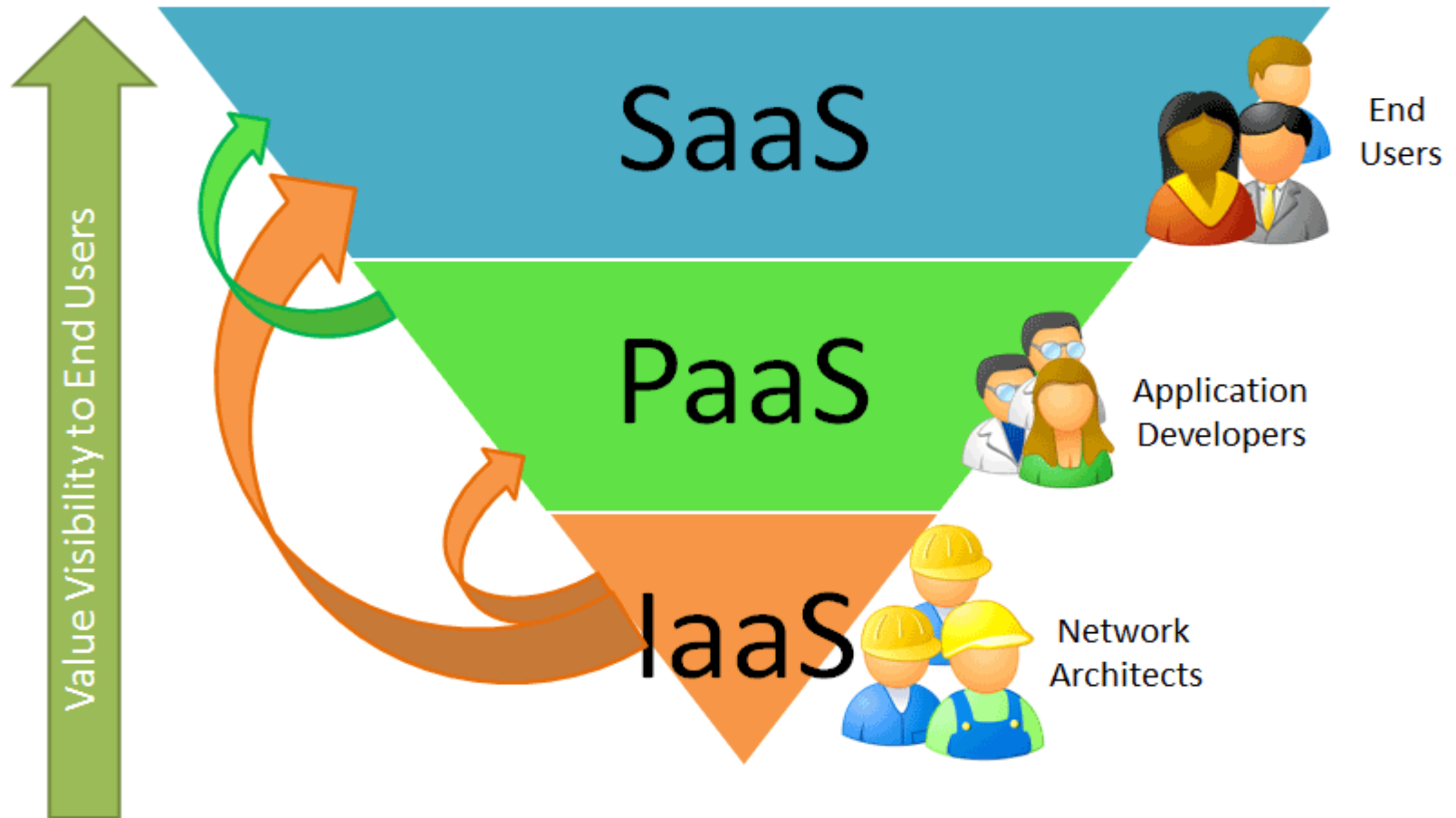
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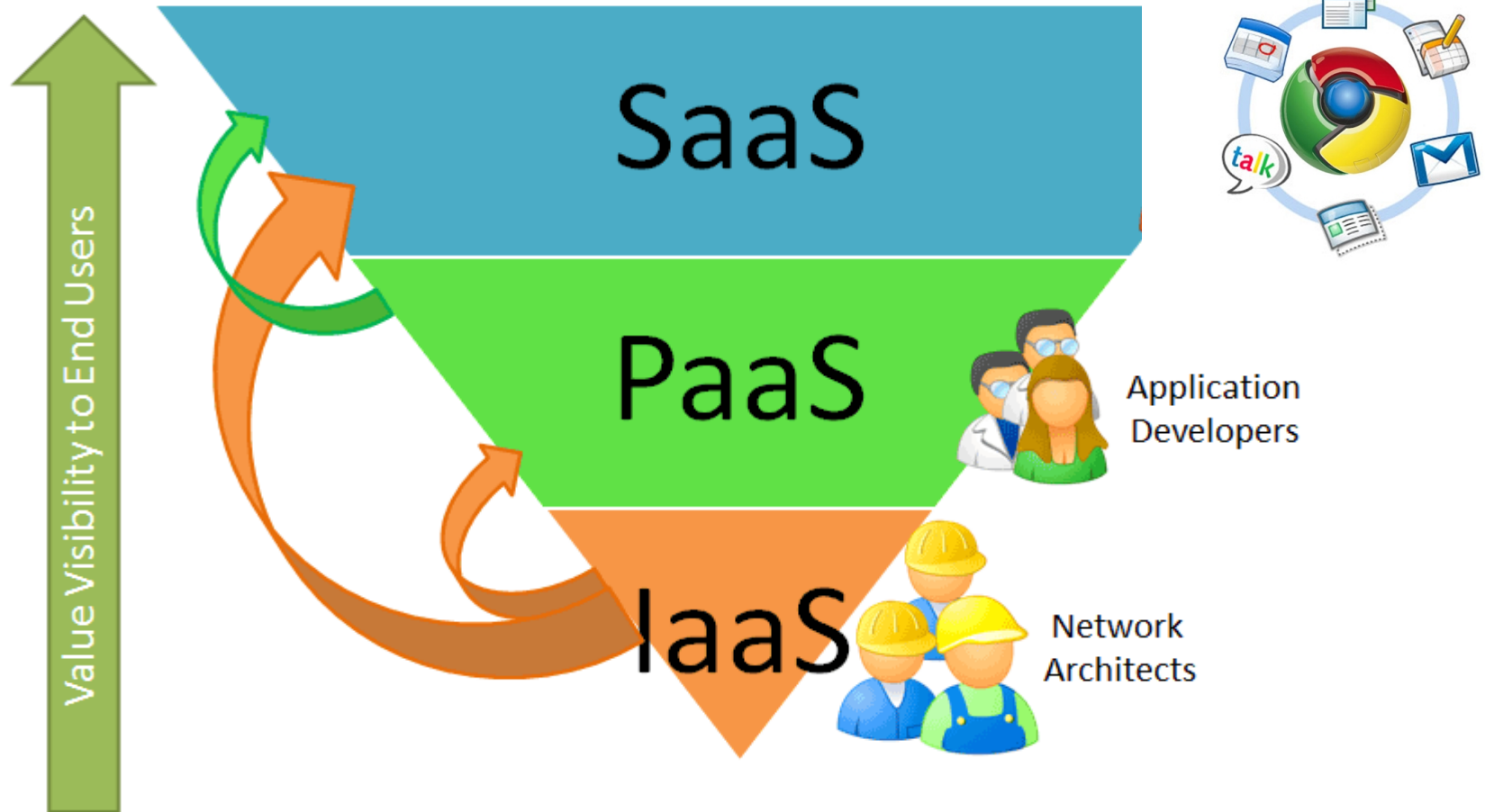
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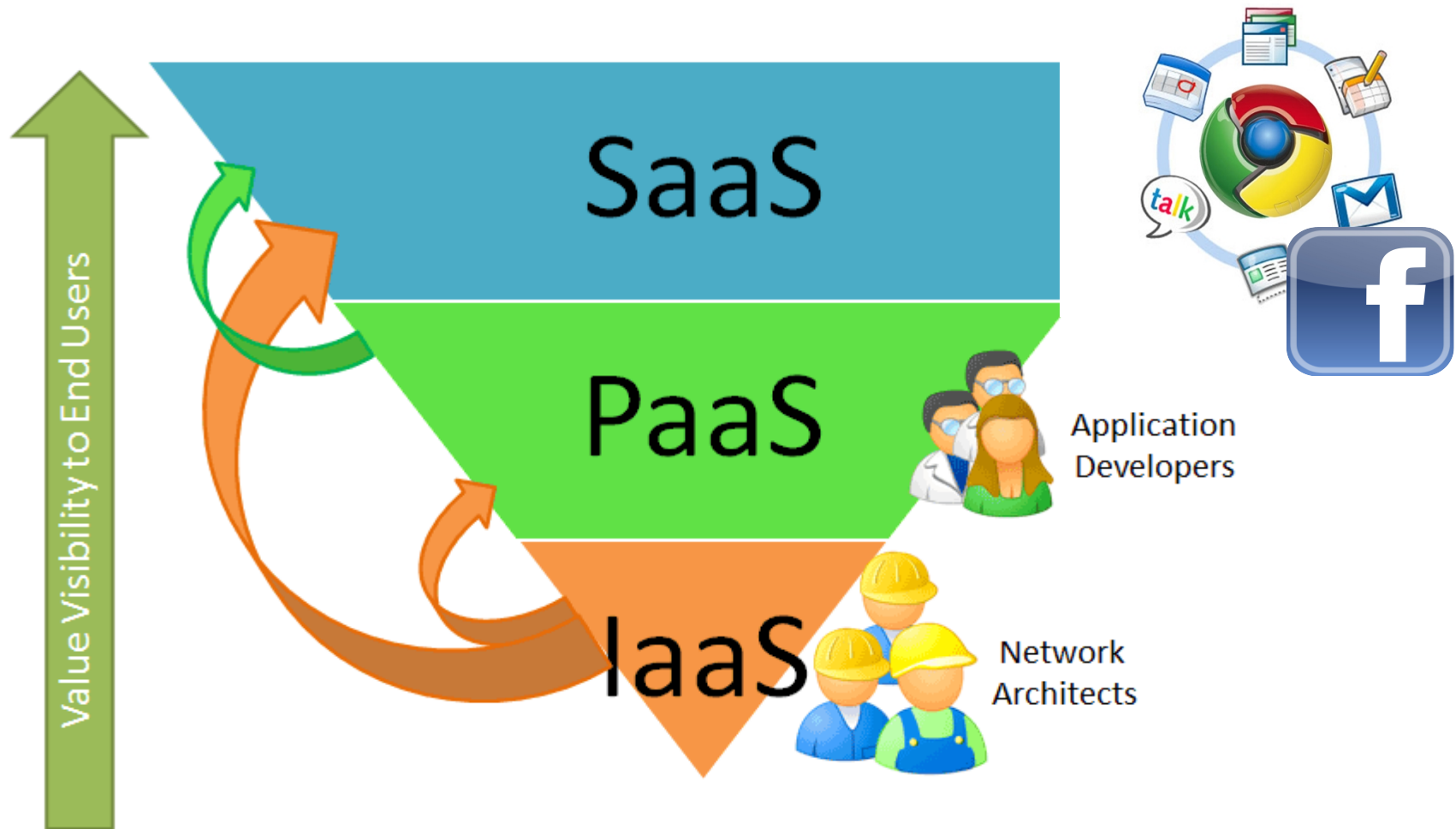
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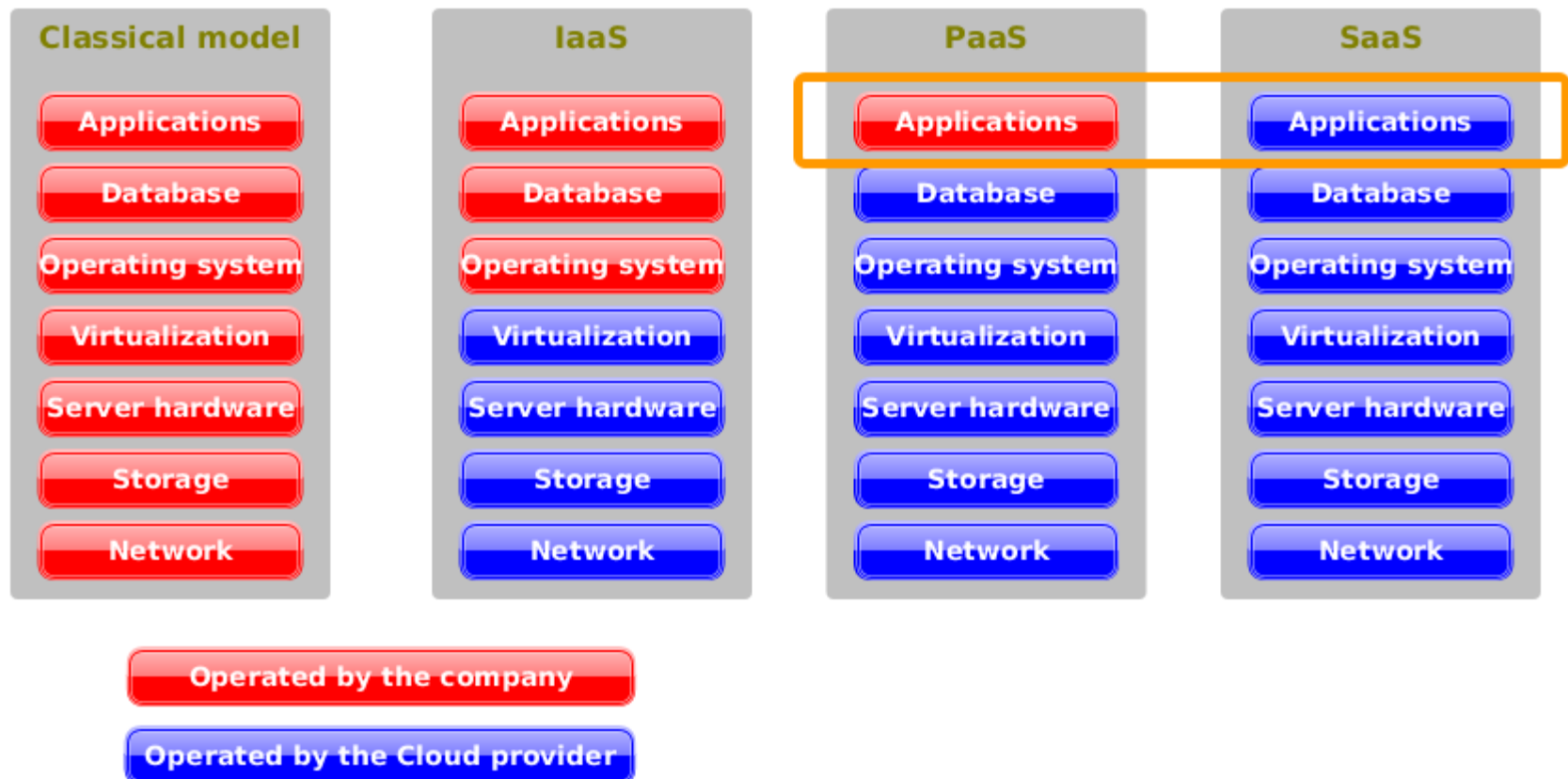


Niveaux de service



Niveaux de service









amazon
web services™

OpenNebula.org

The Open Source Toolkit for Cloud Computing



OpenNebula.org

The Open Source Toolkit for Cloud Computing





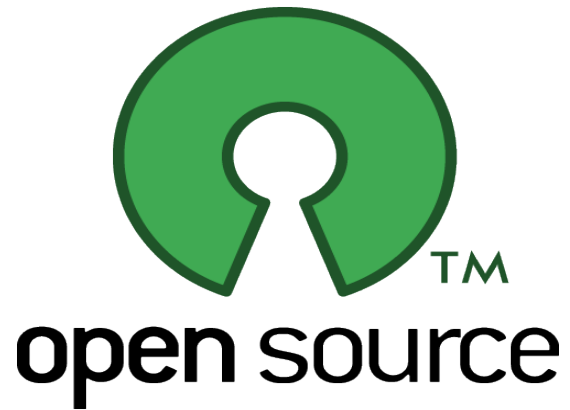
Open**Nebula**.org

The Open Source Toolkit for Cloud Computing

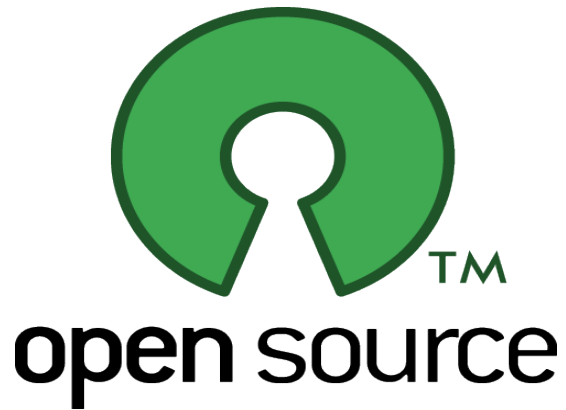


Eucalyptus

Pourquoi OpenStack ?

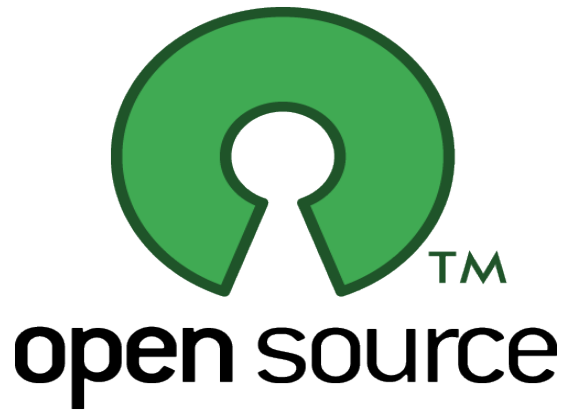


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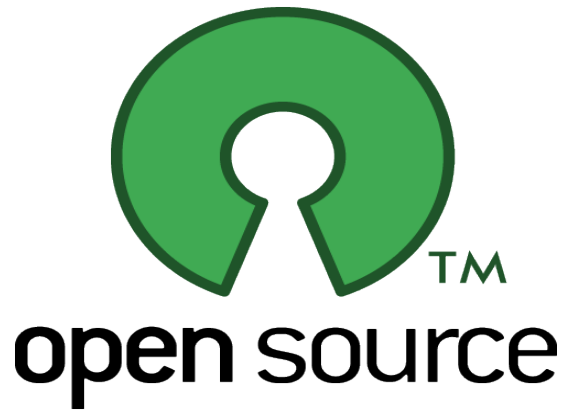
licence

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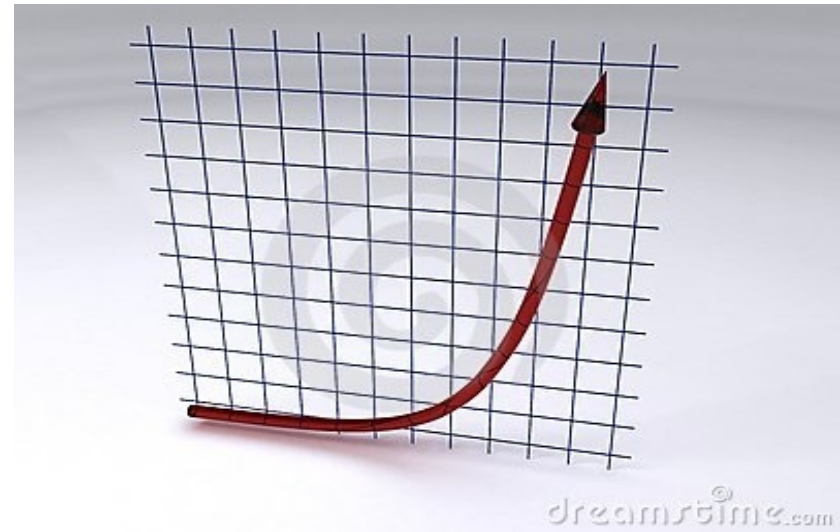


licence

Pourquoi OpenStack ?



licence



**adoption
&
évolution**

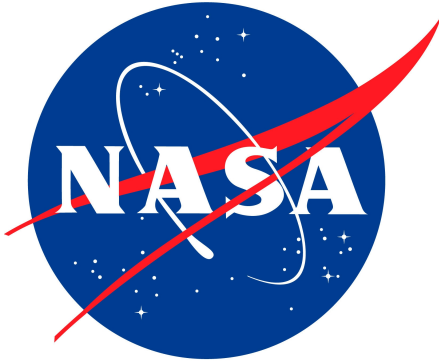
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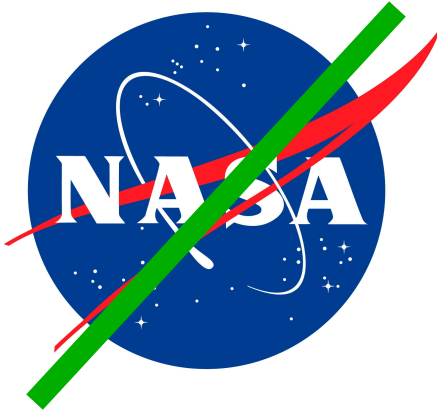
**large
communauté**

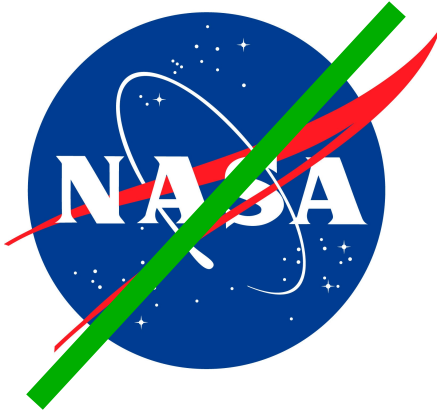
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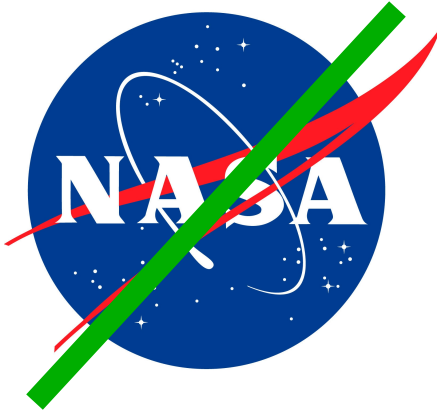
large
communauté

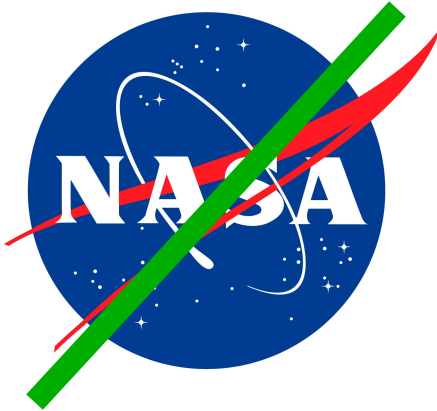


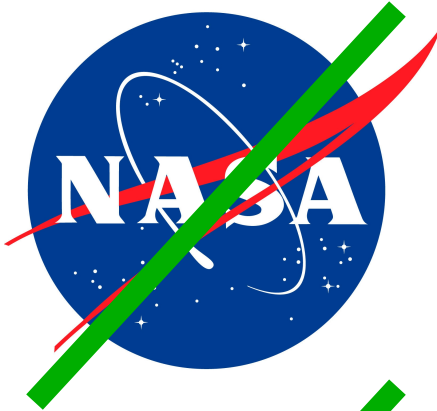


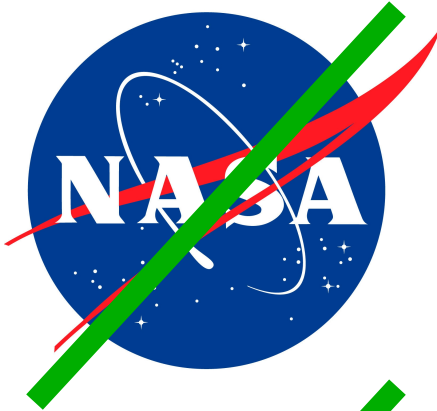


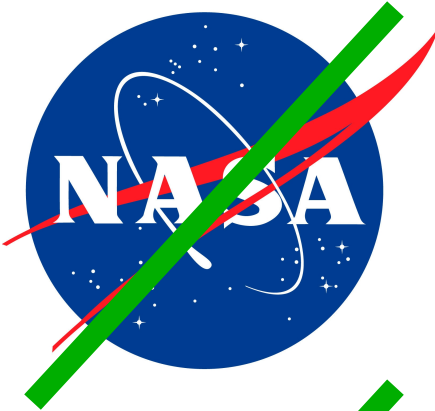


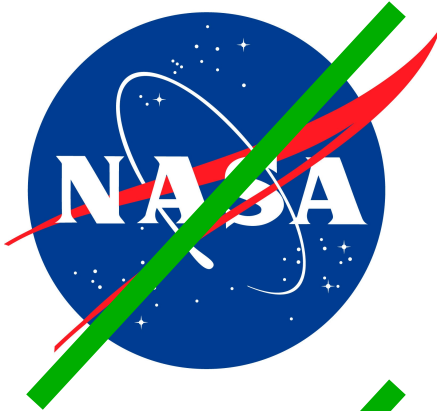


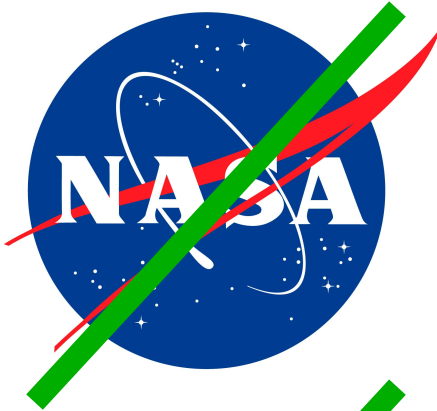


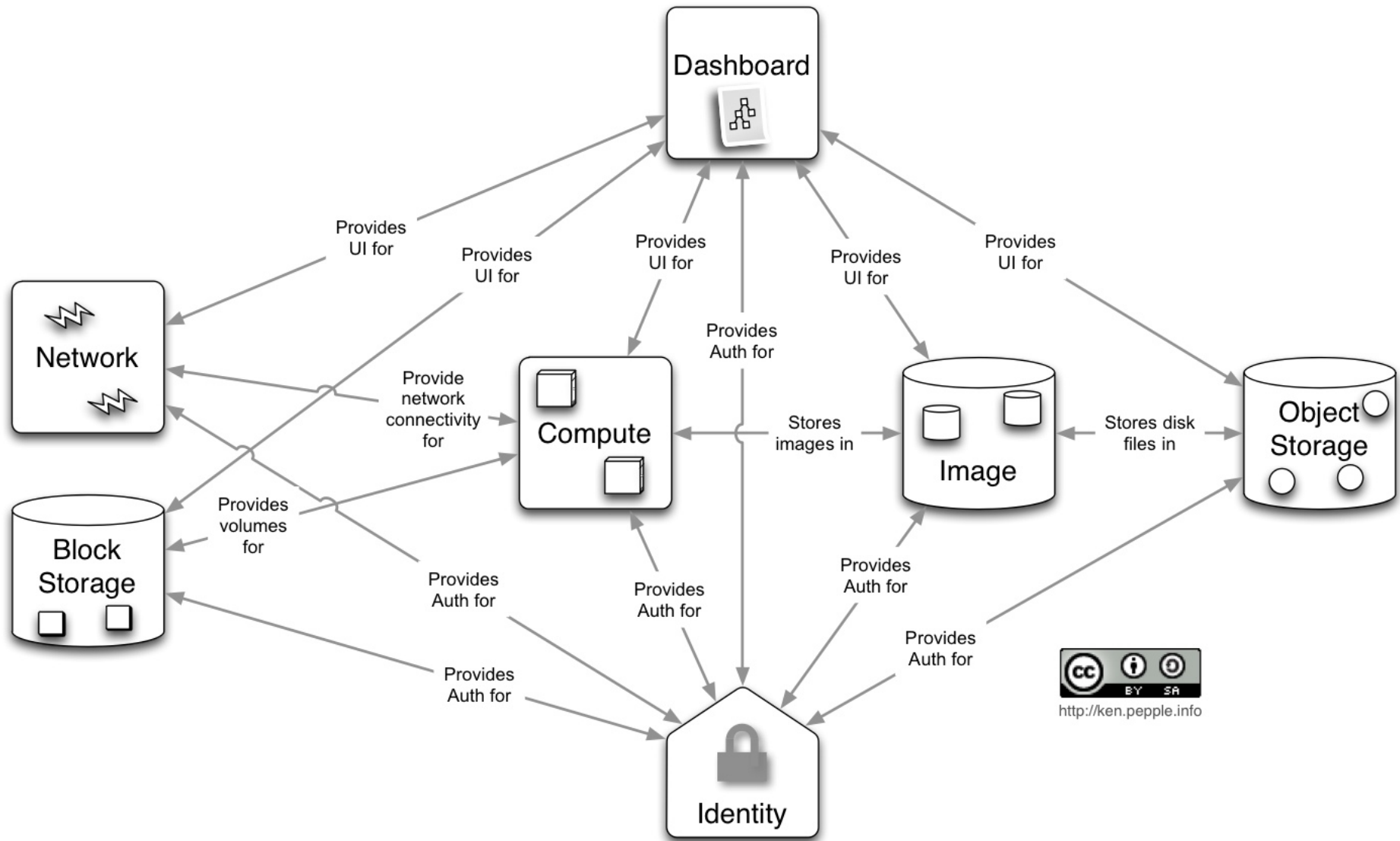


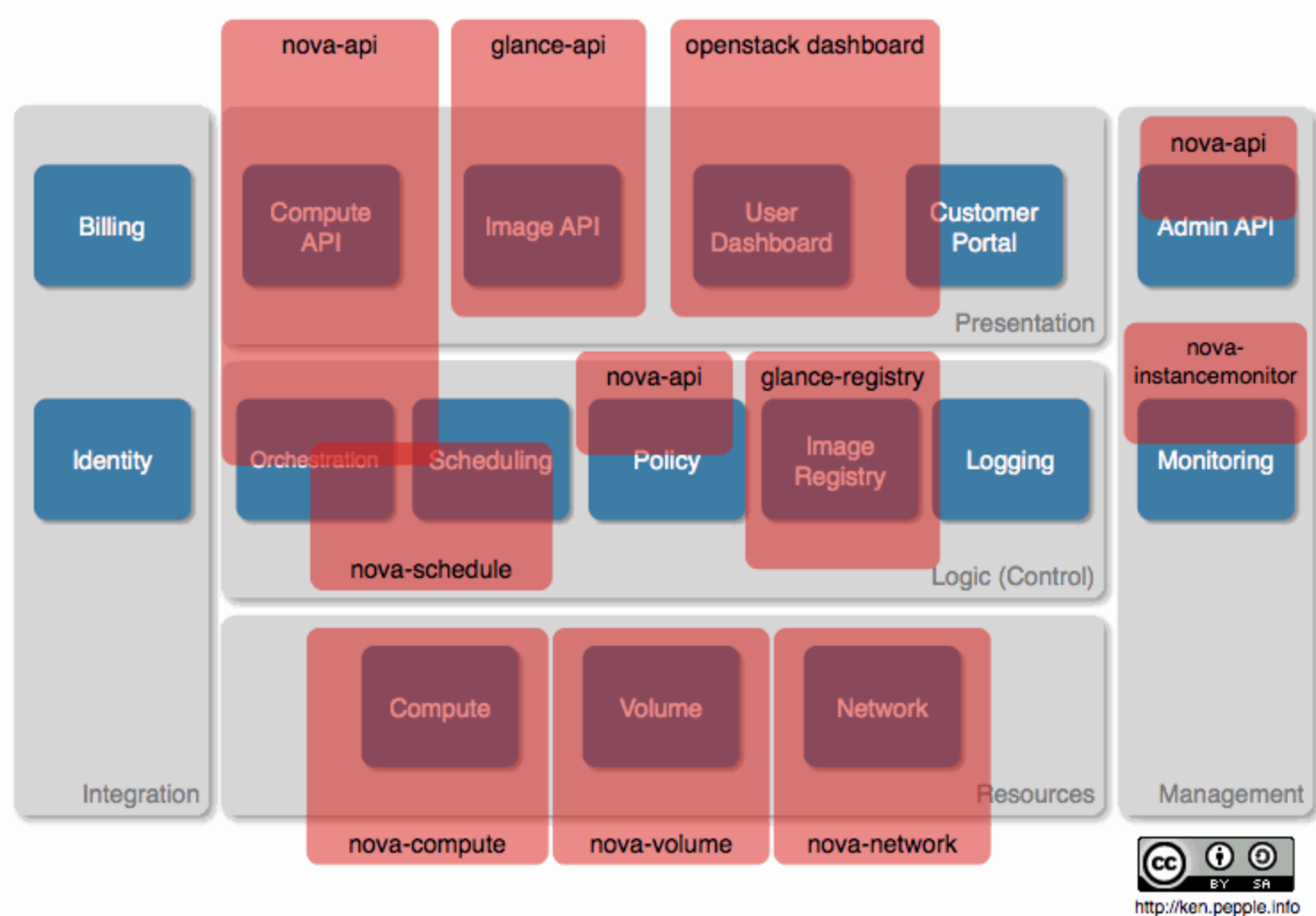


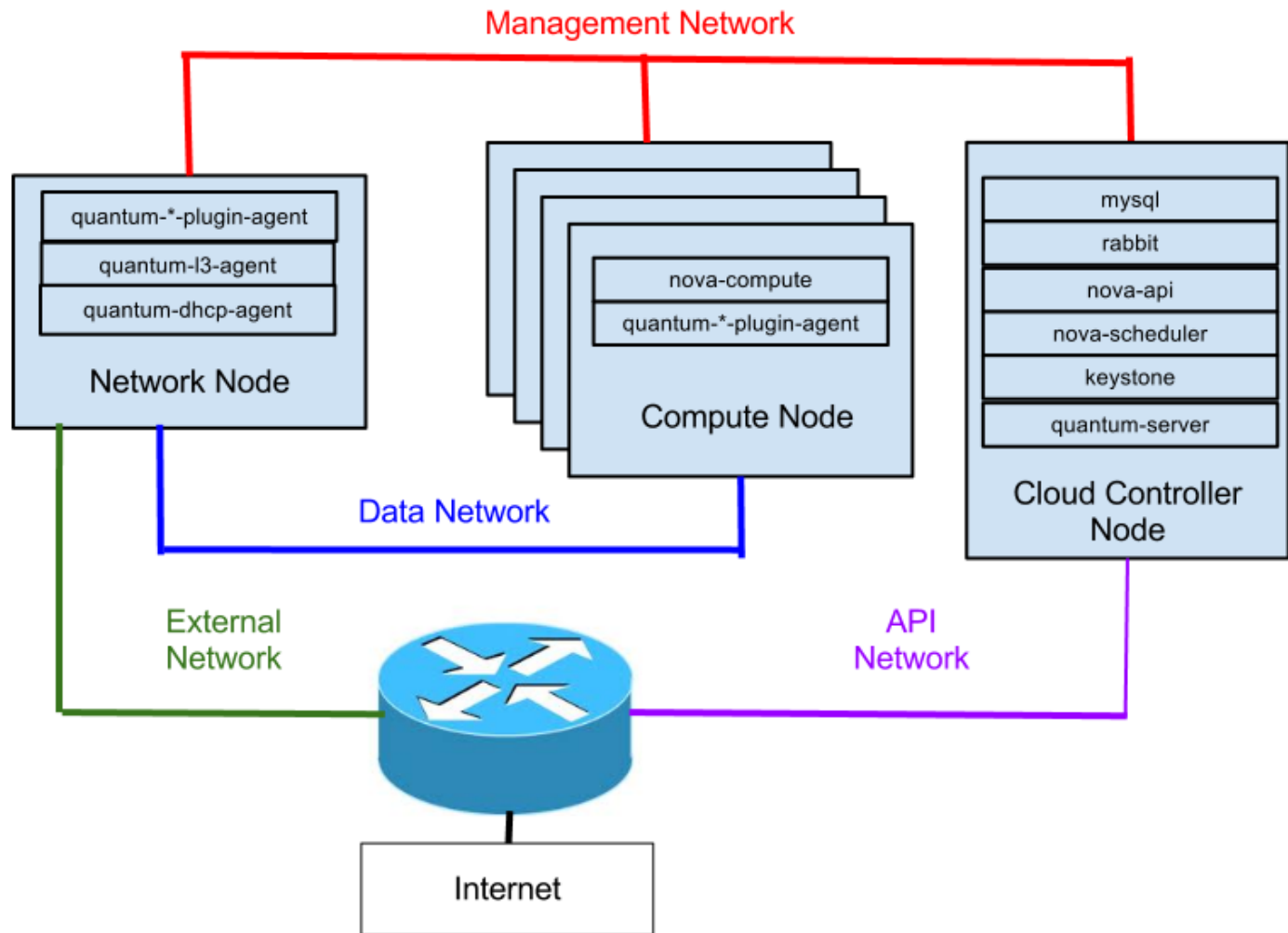


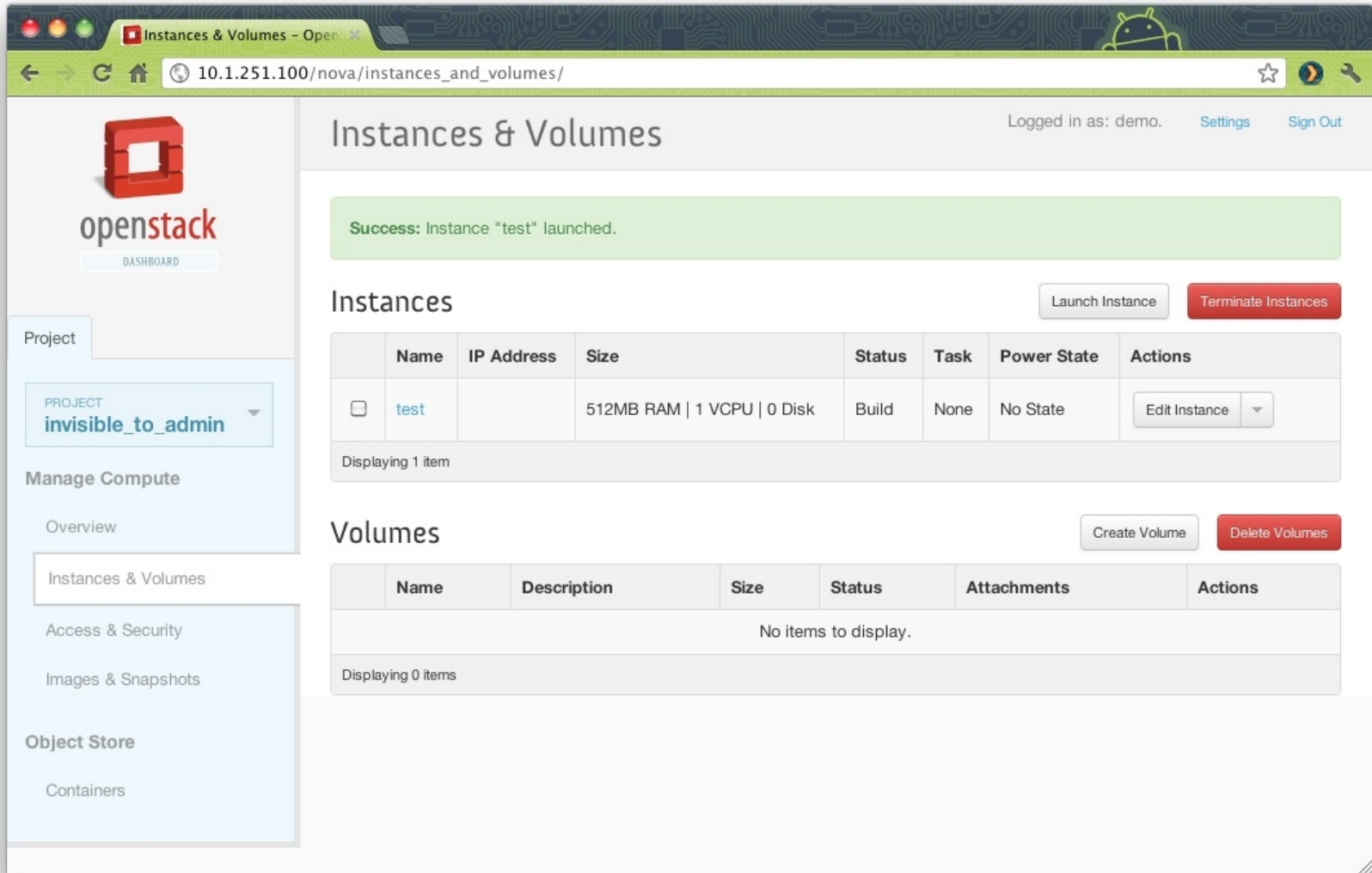












Instances & Volumes – OpenStack

10.1.251.100/nova/instances_and_volumes/

Logged in as: demo. [Settings](#) [Sign Out](#)

openstack
DASHBOARD

Project

PROJECT
invisible_to_admin

Manage Compute

Overview

Instances & Volumes

Access & Security

Images & Snapshots

Object Store

Containers

Instances & Volumes

Success: Instance "test" launched.

Launch Instance Terminate Instances

	Name	IP Address	Size	Status	Task	Power State	Actions
☐	test		512MB RAM 1 VCPU 0 Disk	Build	None	No State	Edit Instance

Displaying 1 item

Volumes

Create Volume Delete Volumes

Name	Description	Size	Status	Attachments	Actions
No items to display.					

Displaying 0 items

Paquets ubuntu / fedora / ...

Documentation : changeante /!

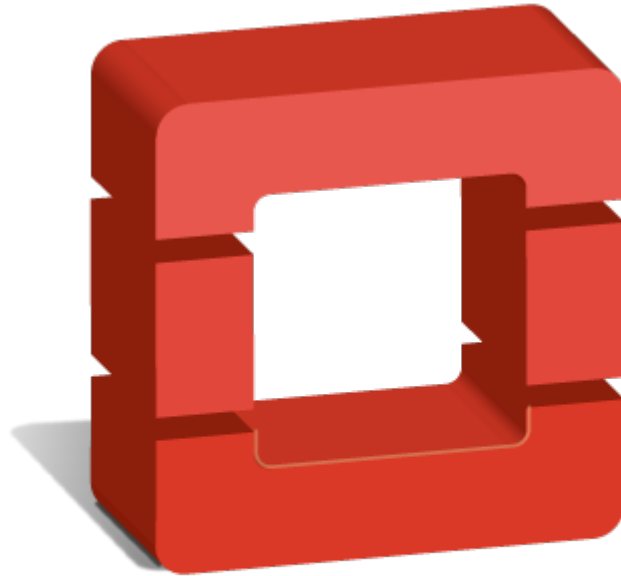
Beaucoup de configuration

Orchestration (RedHat Heat)

Monitoring / Facturation (Ceilometer)

Haute disponibilité

Déploiement automatisé (Puppet, Crowbar)



openstack™

Demo time !

Merci

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