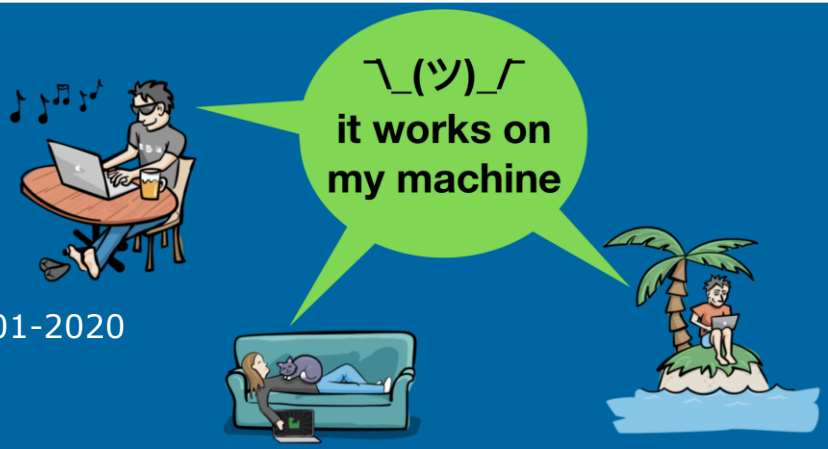
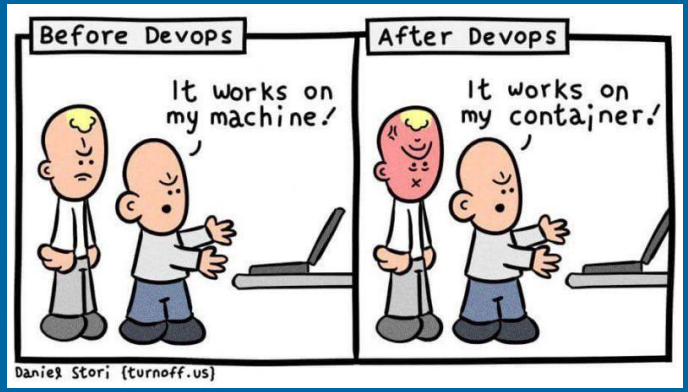
Let’s Talk about Container



06-01-2020



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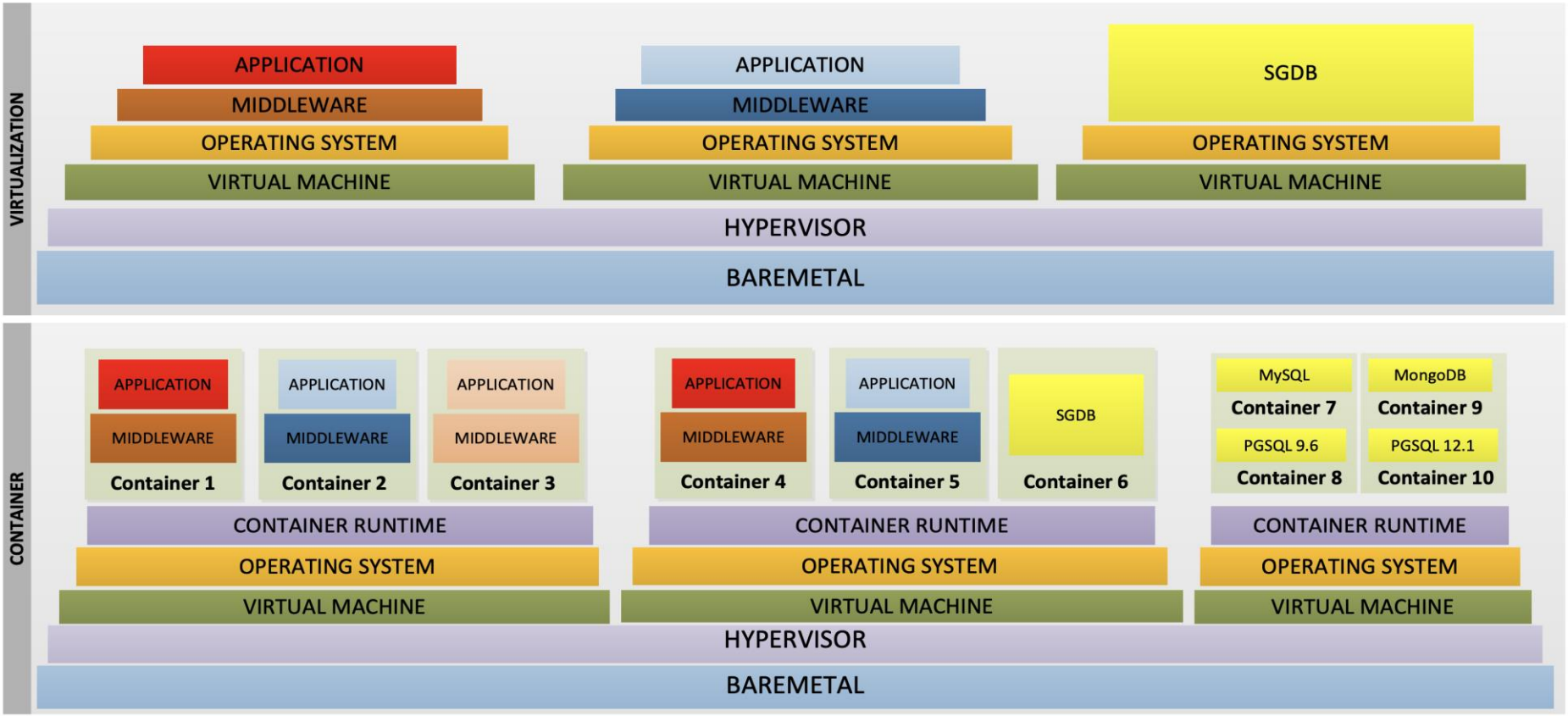
SUMMARY

1 – GLOBAL OVERVIEW
2 – VIRTUALIZATION OVERVIEW
3 – CONTAINER OVERVIEW
4 – WHAT ARE WE TALKING ABOUT
5 – WHAT ABOUT COMPATIBILIY
6 – WHO IN CHARGE OF WHAT
7 – #IMAGE #CONTAINER #INSTANCE
8 – HOW DOES IT WORK
9 – WHAT ABOUT PRICE LIST
10 – STATS
11 – ROADMAP
12 – NEWS
13 –FUN

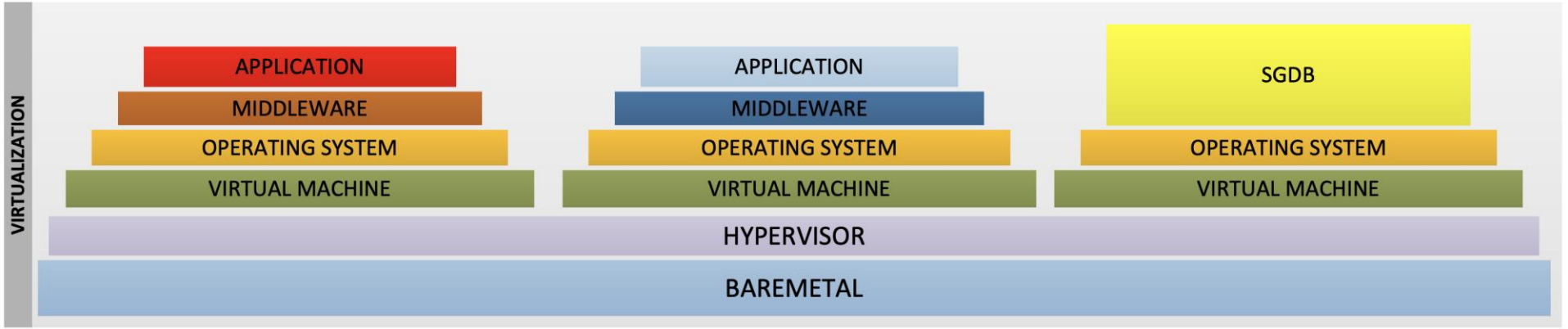
1 GLOBAL OVERVIEW

CONTAINER & VIRTUALIZATION QUCK VIEW



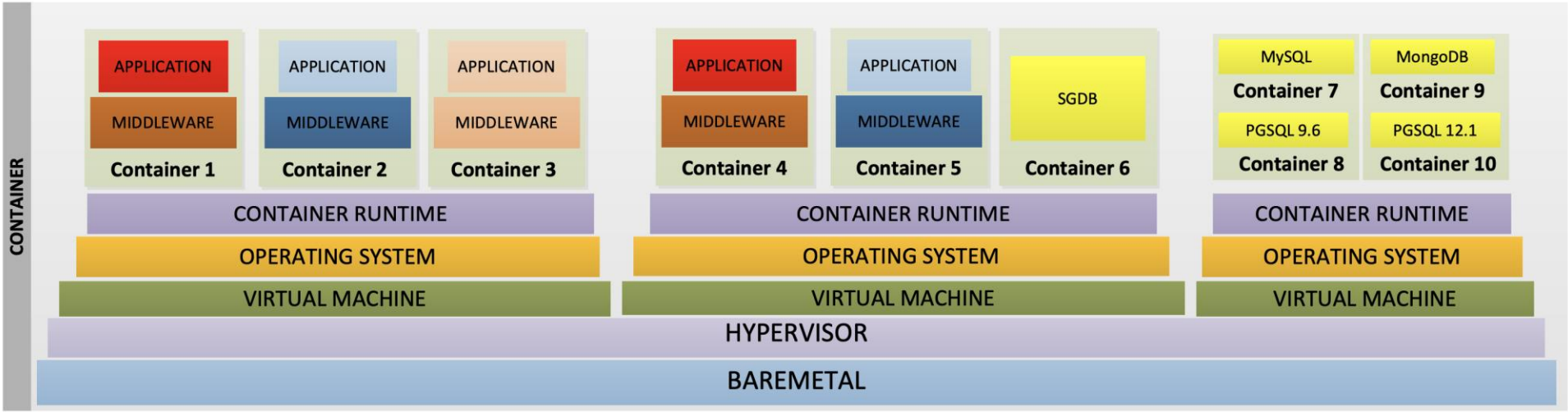
VIRTUALIZATION OVERVIEW

How to host application by using Virtual Machine



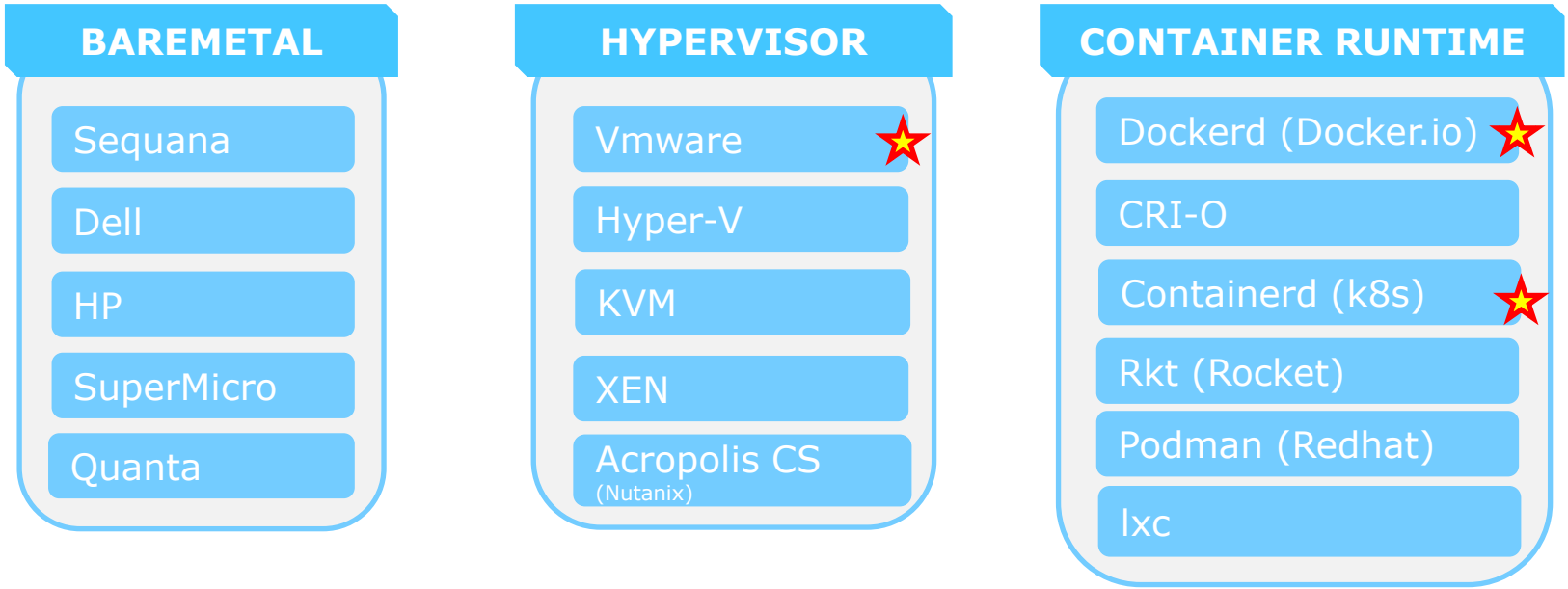
3 CONTAINER OVERVIEW

How to host application by using Container

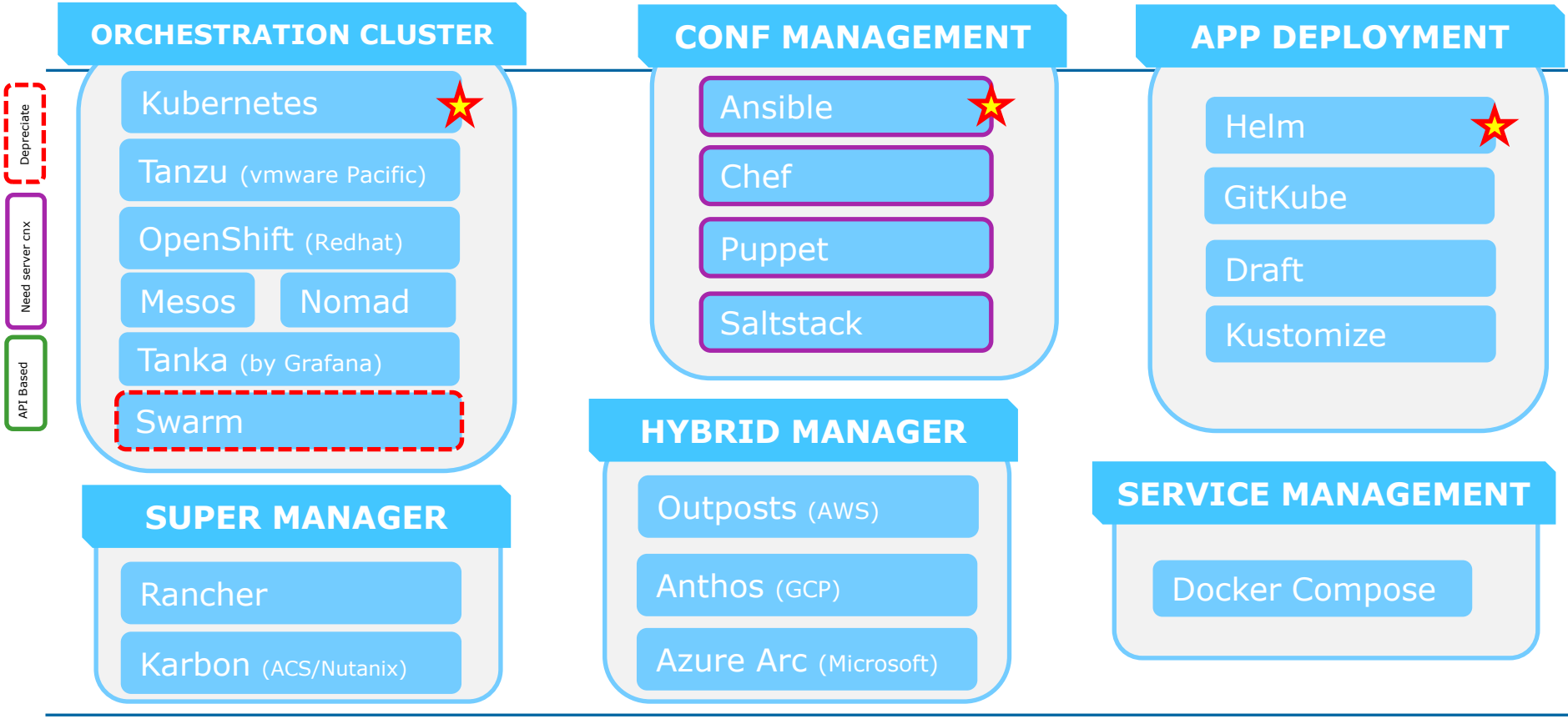


What are we talking about ?

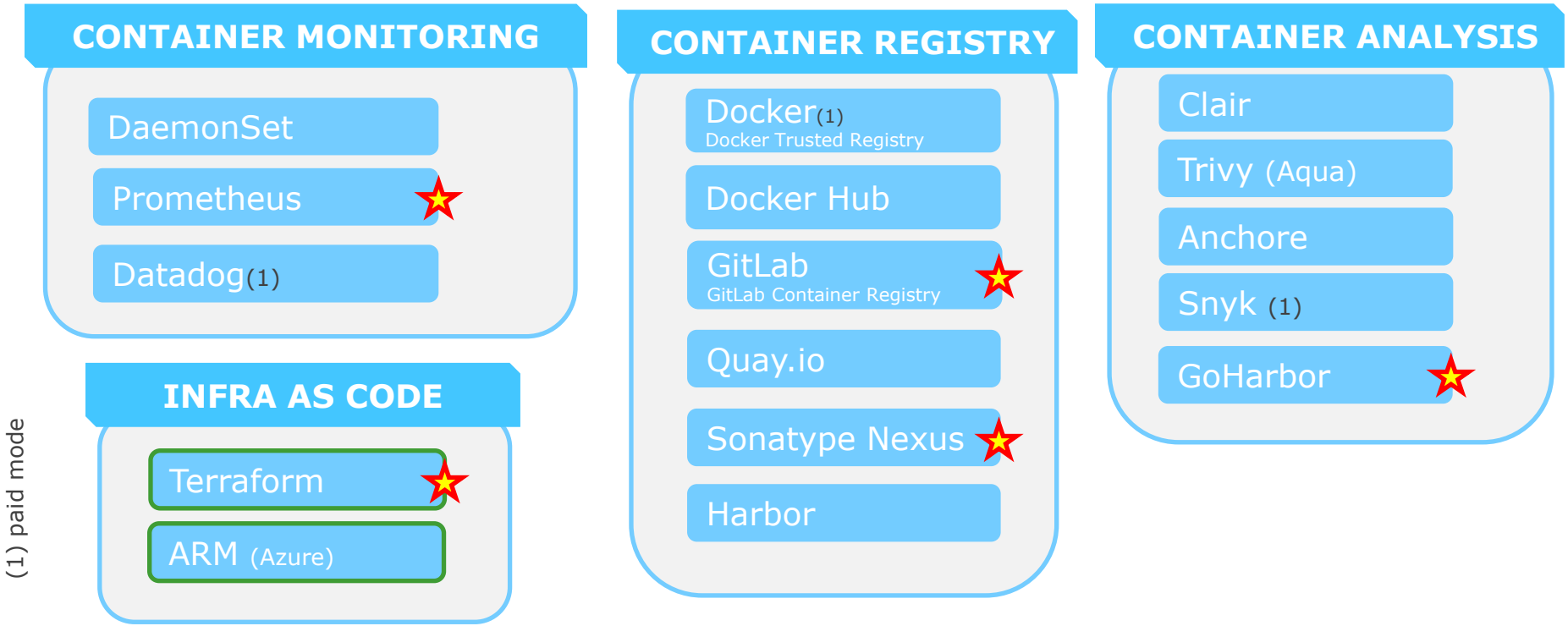
What are we talking about (1/5)?



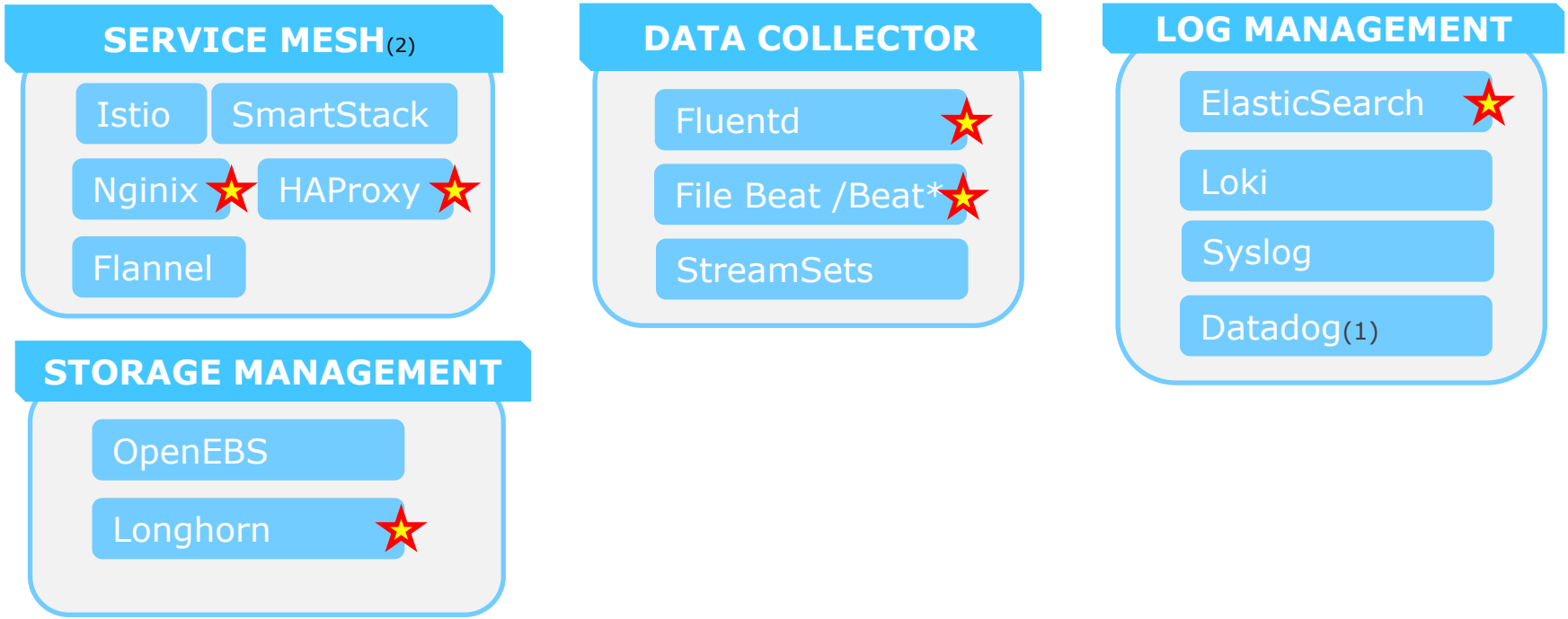
What are we talking about (2/5)?



What are we talking about (3/5)?



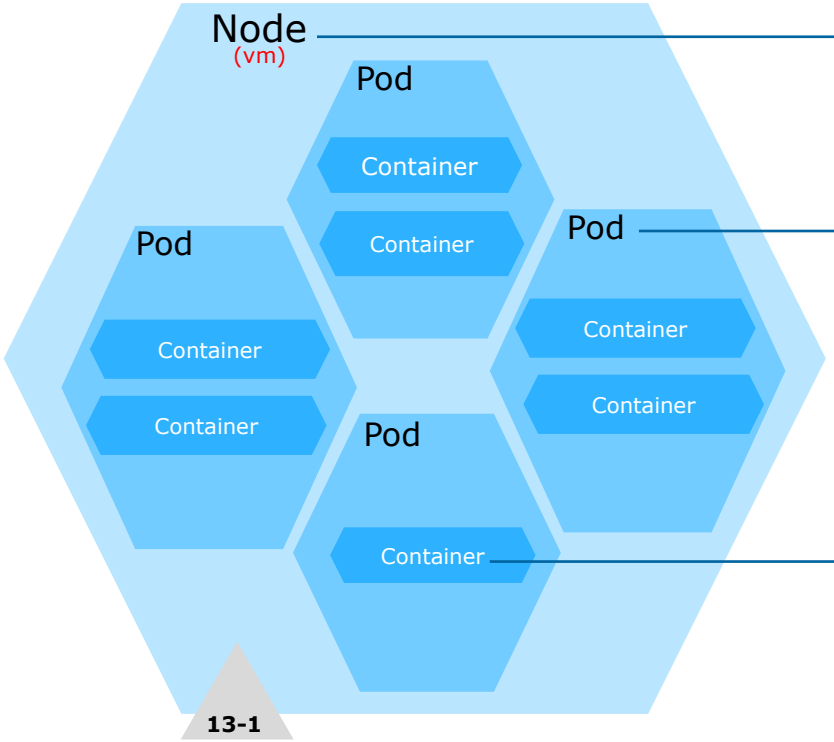
What are we talking about (4/5)?



(1) paid mode (2) multi-tenant

What are we talking about (5/5)?

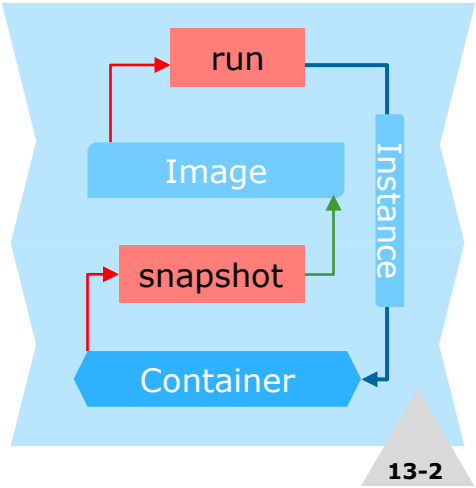
Just for good wording !!



one or more pod

one or more container

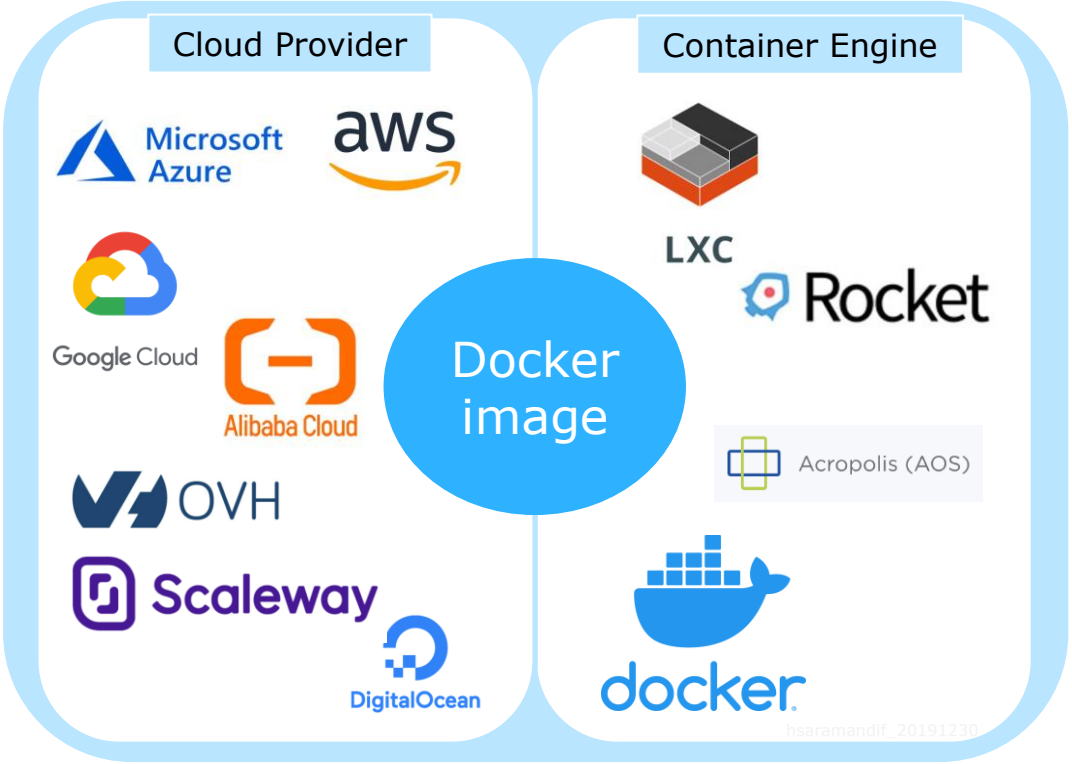
one or more running process



What About compatibility ?

Now think portability !!

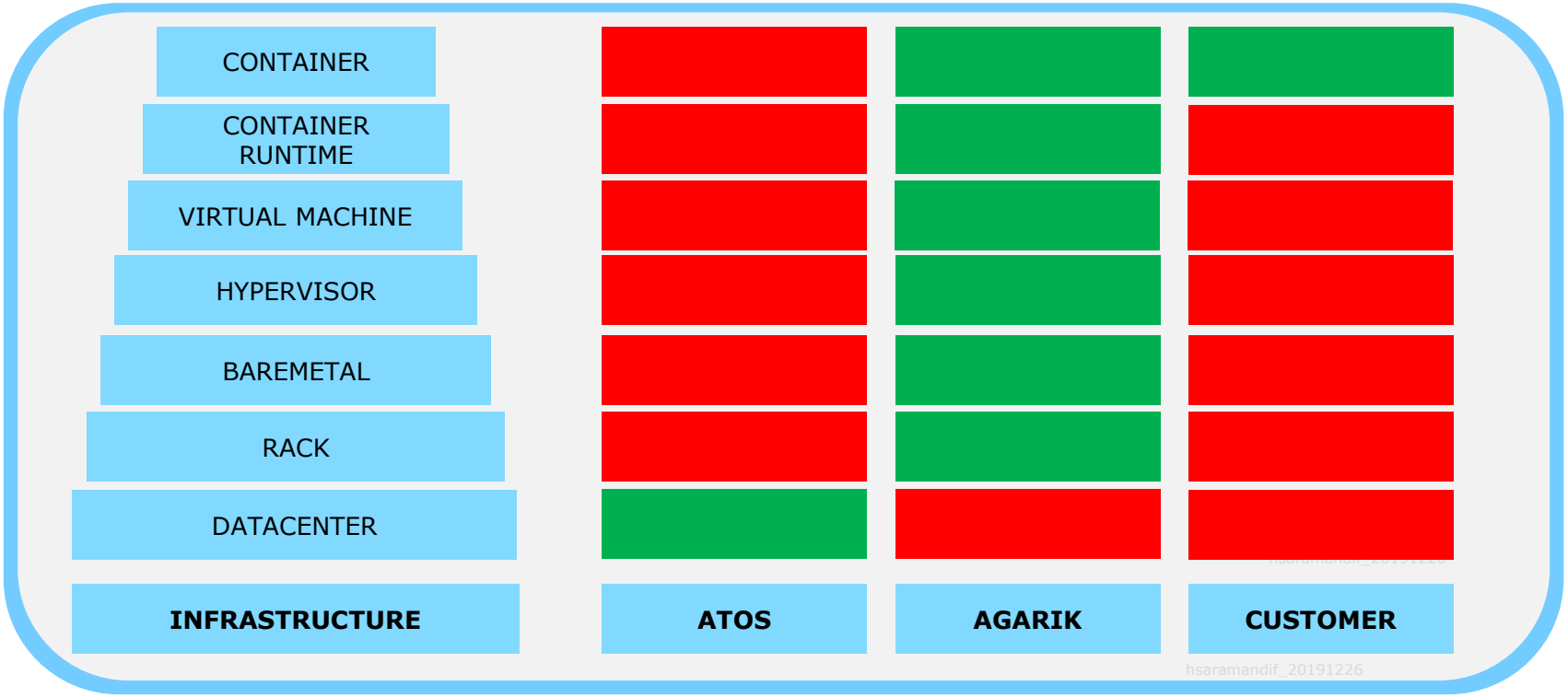
or why Docker.io rules the world ?



6 Who in charge of what ?

New infrastructure design : what about perimeter ?

GLOBAL VIEW



hsaramandif_20191226

New infrastructure design : what about perimeter ?

CONTAINER & SERVICES VIEW

INFRASTRUCTURE	OPERATION			
	HOST	BUILD	MANAGE	MAINTENANCE
CONTAINER	AGA	AGA CUS	AGA	AGA CUS
CONTAINER RUNTIME	AGA	AGA	AGA	AGA
CONTAINER MONITORING	AGA	AGA	AGA	AGA
CONTAINER ANALYSIS	AGA	AGA	AGA	AGA
CONTAINER REGISTRY	AGA	AGA	AGA	AGA
CONFIGURATION MANAGEMENT	AGA	AGA CUS	AGA	AGA CUS
LOG MANAGEMENT	AGA	AGA	AGA	AGA
SERVICE MESH	AGA	AGA	AGA	AGA
ORCHESTRATION CLUSTER	AGA	AGA	AGA	AGA

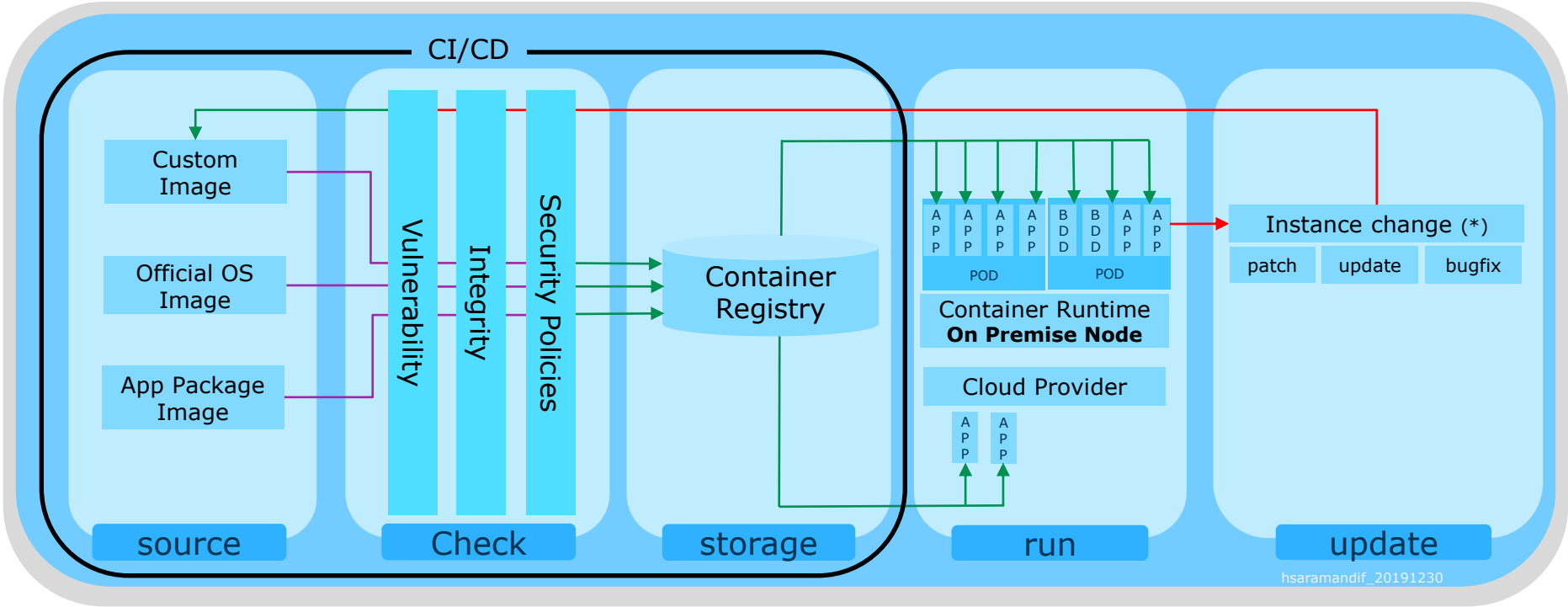
AGA : Agarik **CUS** : Customer

hsaramandif_2019126-20191231

7

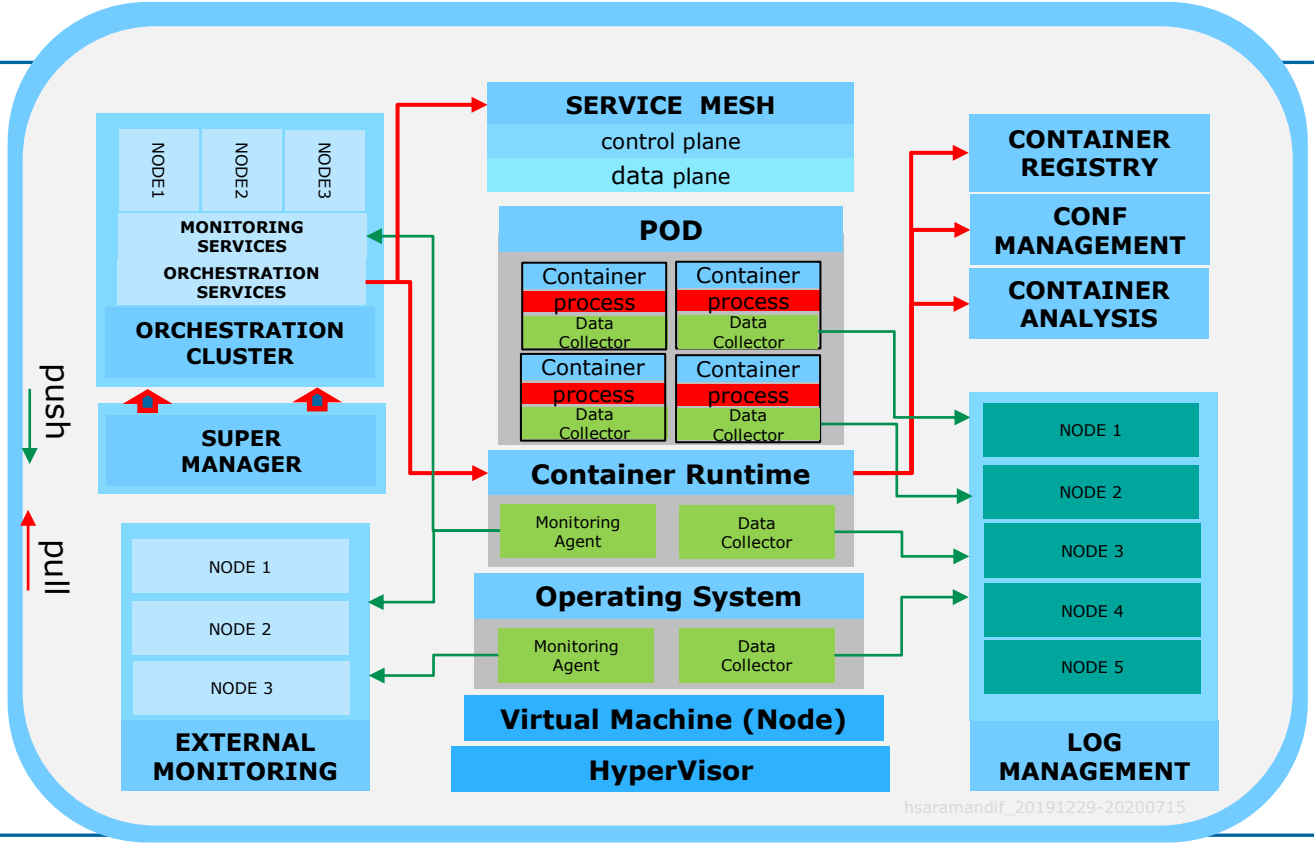
#Image #container #Instance

Container <->image life cycle



How does it work ?

Basic Container Infrastructure Setup



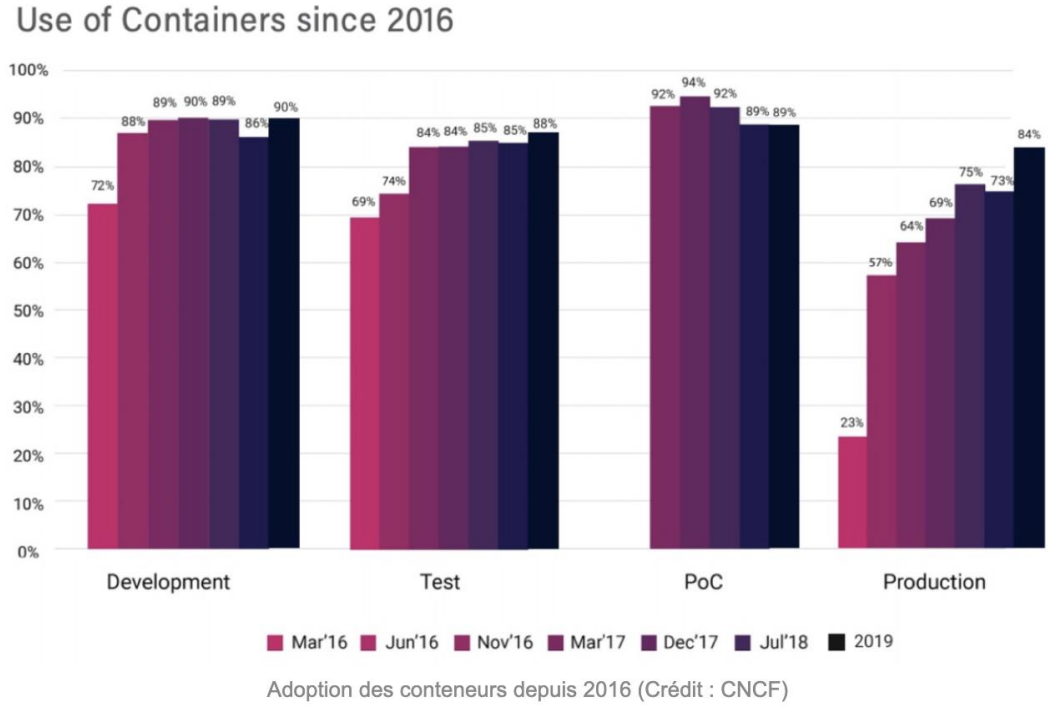
What About Price List ?

Please contact Agarik Team for Price List.

STATS!!

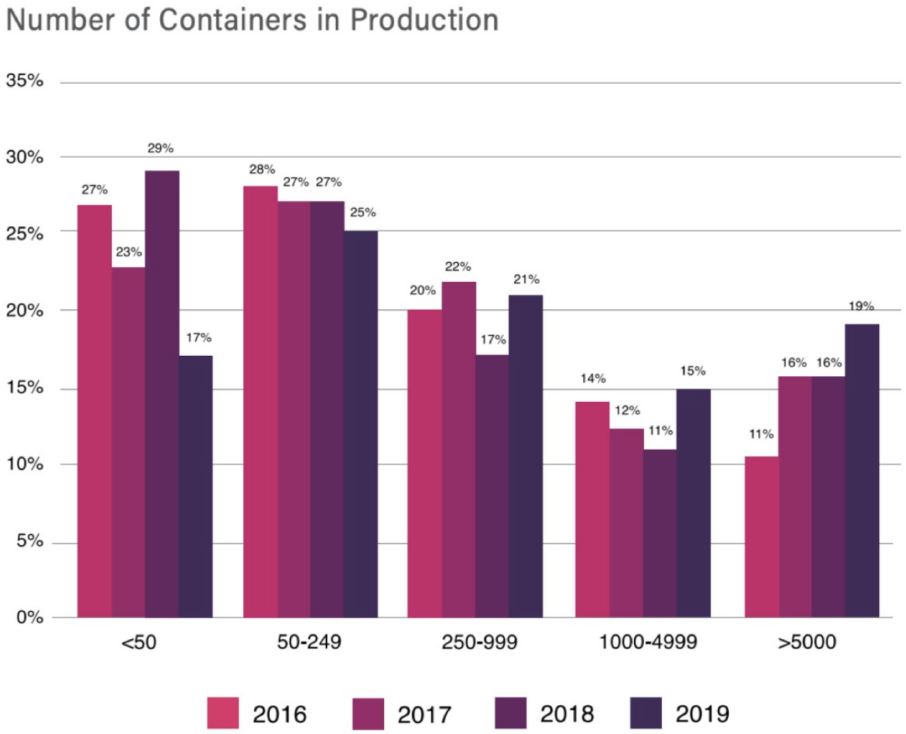
In the Real Life !!!

Container environment View



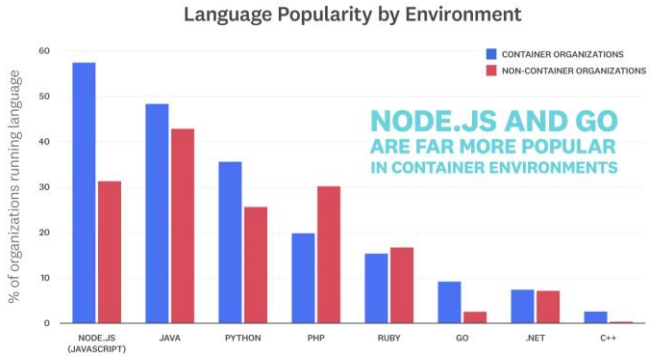
Adoption des conteneurs depuis 2016 (Crédit : CNCF)

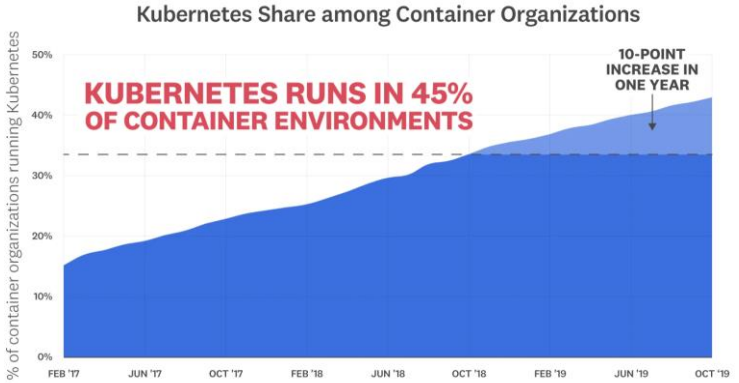
In the Real Life !!!

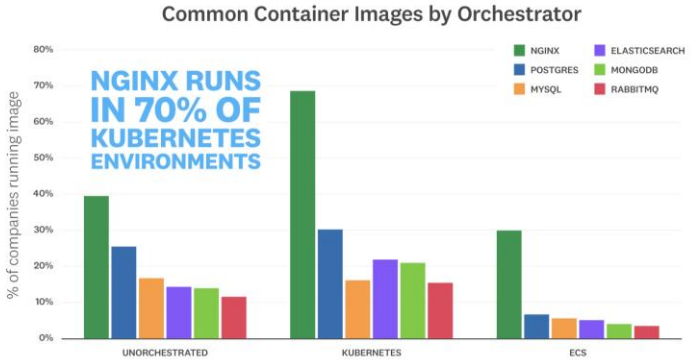


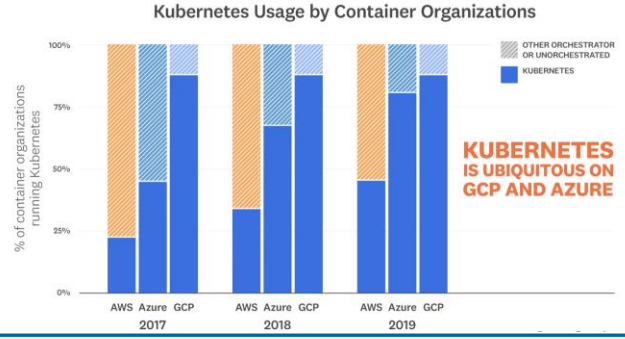
In the Real Life !!!

Just Stats





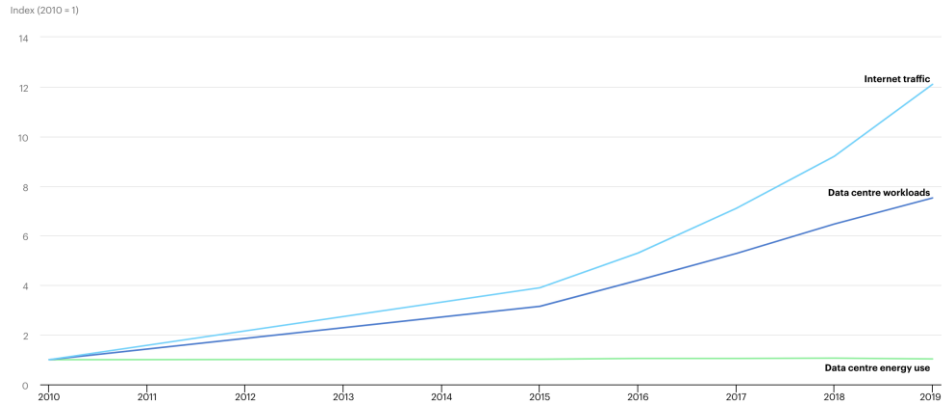




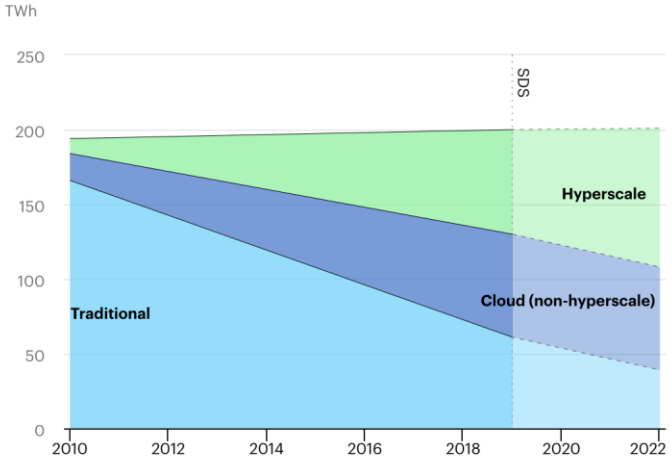
In the Real Life !!!

Is this Green !!

Global trends in internet traffic, data centre workloads and data centre energy use, 2010-2019

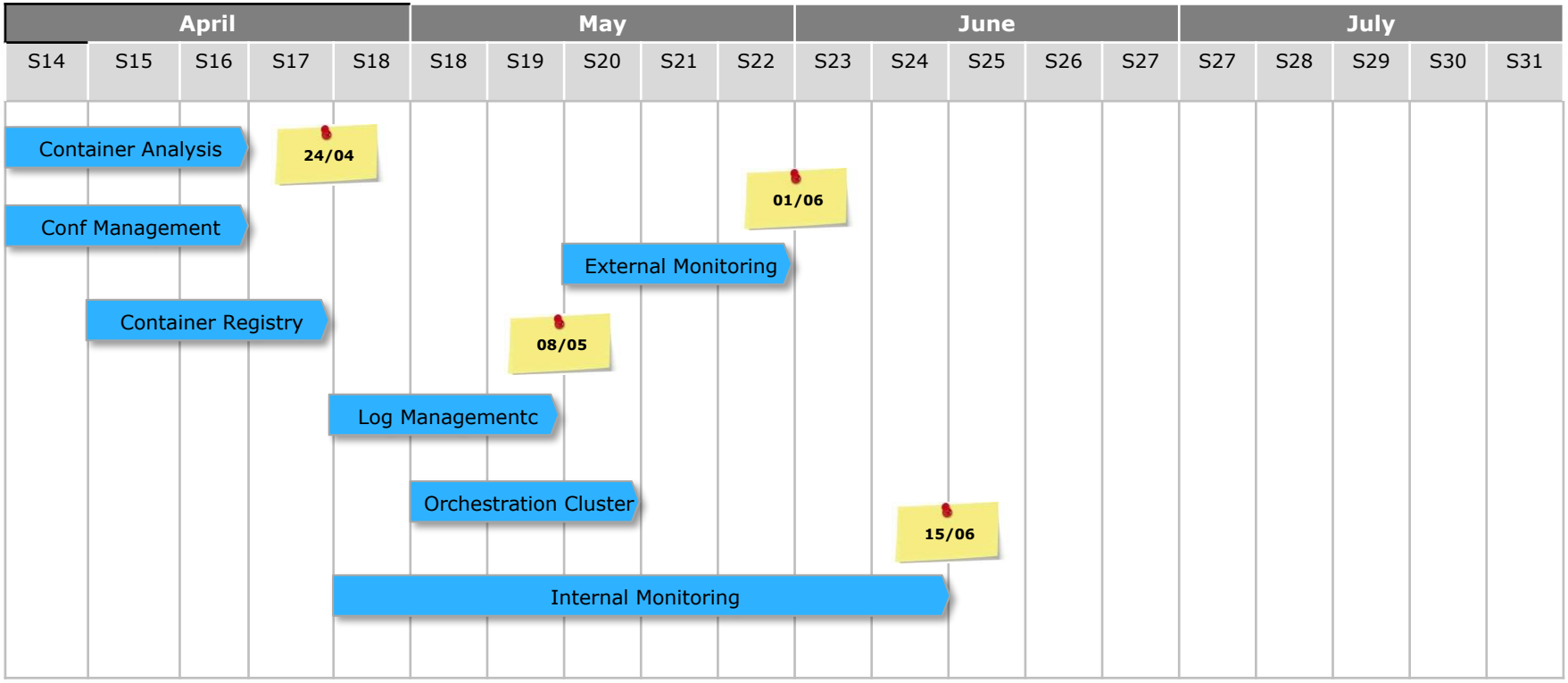


Global data centre energy demand by data centre type, 2010-2022



RoadMap

On the Road !!!


April
May
June
July
S14
S15
S16
S17
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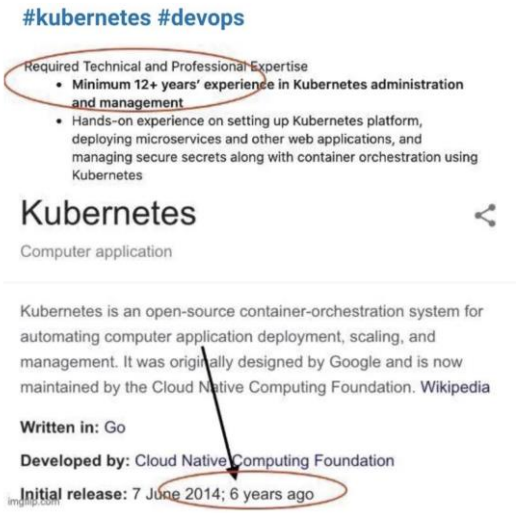
S25
S26
S27
S27
S28
S29
S30
S31
Container Analysis
24/04
01/06
Conf Management
External Monitoring
Container Registry
08/05
Log Managementc
Orchestration Cluster
15/06
Internal Monitoring

12 News

NEWS

DATE	ARTICLE
08/07/2020	Suse to acquire Rancher
01/07/2020	Kubernetes Stats
11/03/2020	AWS BottleRocket
25/02/2020	Mirantis to keep Docker Swarm buzzing around, pledges new features
29/08/2019	VMware révolutionne le développement

FUN



Source : Reddit

Thanks

For more information please contact:

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henley.saramandif@atos.net

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