						Support																Virtua	ual Machine							Backup						Network		Network Stora	ge		vGPU		Infra as a	a Code	Security Guide		
Name Souver	ain Development structure	Usage Free/Pay	LTS Version	Licence	Support official (Pay)	y) Support official H24/7	Outsourced support Doc	cumentation Forum KB	Wiki Hy	ypervisor technology vSphe	nere Integration 1 no	de Hyperconverged	vSphere migration vMo	otion Storage vMotion	DRS Hypervis	isor max CPU (logical)	Hypervisor max RAM	Maximum VMs per host M	laximum VMs per cluster Nod	les per cluster VM ma	nax CPU VM max RAN	AM VM max Storage	ge vTPM Secure	e Boot Intel vSGX AN	MD SEV Container	Container Orchestration	MicroVM Backup I	Natif <u>Bacula</u> <u>Commv</u>	<u>rault HYCU Iperiu</u>	<u>ıs Backup Nakivo</u> Net	etBackup <u>Rubrik</u> <u>S</u> i	<u>Storware</u> <u>Tina</u> Veear	m <u>vinchin</u> St	tore Multi DC Mult	ticloud Firewall (OS) Firewa	ll (OVS) Open vSwitch v	vlan vxlan l	FS iSCSI (targuet) iSCSI Mu	ltipath Fiber Channel v	vGPU nVidia vGPU AMD	vGPU Intel vGPU live Mig	igration DPU Ar	Ansible <u>Chef</u> <u>Salt</u>	<u> Packer </u>	ANSSI Guide CIS Benchma	nark OS	Website
SSXi/vSphere 8 USA	Entreprise	Pay	no	Proprietary	YES	?	YES	YES <u>YES</u>	ESXi	,,	YE	S YES	/ YE	YES YES	YES	<u>896</u>	<u>24 TB</u>	<u>1024</u>	8000	<u>2500</u> <u>76</u>	768 <u>24 TB</u>	<u>62 TB</u>	YES YES	es <u>YES</u>	YES	OUI		YES YES	YES	YES YES	YES YES	YES YES YES	YES	YES Y	YES		YES YES	ES YES YE	YES	YES <u>YES</u>	YES	YES	YES YES YES	<u>YES</u> <u>YES</u>	YES YES		https://www.vmware.com
Citrix Hypervisor 8.2 LTS USA	Company	Pay	YES	GPLv2	YES	?	?	YES	Xen		no YE	S ?	no YE	YES	?	<u>512</u>	<u>6 TB</u>	1000	2400	<u>64</u> <u>3</u>	32 <u>1.5 TB</u>	<u>16 TB</u>	? ?	7	? YES		no ?	YES no	no	no no	no no	<u>YES</u> no no	no	?	, ,		? ?	YES YE	S YES	3 3	? ?		YES	YES	no no	Linux 	https://www.citrix.com/products/citrix-hypervisor/
Litrix XenServer 8 USA	Company	Pay	no	GPLv2	YES	?	? }	YES	Xen		no			VEC		<u>960</u>	<u>6 TB</u>	1000	2400	64 6	64 1.5 TB	16 TB	? ?	?	· .		no ?	YES YES	no	no no	no no	no no no	YES)/FC	YES	VEC	V52		YES	2		YES YES	S YES	no no	Linux	
Hyper-V 2019 / System Center USA	Company	Pay	Extended End Date	Proprietary	YES	?	YES H24/7	YES YES	Hyper-V		no YE	S YES	no YE	YES YES Sy	System Center	<u>512</u>	<u>24 TB</u>	<u>1024</u>	<u>8000</u>	64 250 gen 1 8	. <u>& 64 Gen 2</u> 12 TB gen 1 & 1 TB	TB Gen 2 64 TB VHDX & 2040Go	GO VHD YES YES	? 	?	-	no ?	YES YES	no	YES YES	YES YES	YES YES YES	YES	no Y	YES ?	Module	YES YES	YES	YES	YES ?	?		YES	YES	no no	Windows	
Hyper-V 2022 / System Center USA	Company	Pay	Extended End Date	Proprietary	YES	· · · · · · · · · · · · · · · · · · ·	YES H24/7	YES YES	Hyper-V		no YE	S YES	no YE	YES YES SY	System Center	1024	<u>4 PB</u>	1024	8000	64 1024 Gen 1	1 & 64 Gen 2 12 IB gen 1 & 1 IB	IB Gen 2 64 IB VHDX & 2040Go	SO VHD YES YES	:S ?	· ·	no	no ?	YES YES	no	YES YES	YES YES	YES YES YES	YES	no Y	YES ?	Module	YES YES	YES	YES	YES ?	<u>'</u>		YES	YES	no no	Windows	
Hyper-V 2025 / System Center USA	Company	Pay	Extended End Date	Proprietary	YES	, , , , , , , , , , , , , , , , , , ,	YES H24//	YES	Hyper-V		no YE	S YES	no YE	YES YES	,	2048	<u>4 PB</u>	1024	8000	64 2048 gen 1	1 & 64 Gen 2 12 IB Gen 1 & 1 IB	IB Gen 2 64 IB VHDX & 2040Go	SO VHD YES YES	:S ?	? \	no (NUE)	no ?	YES YES	no	YES YES	YES YES	YES YES YES	YES	no Y	YES ?	Module	YES YES	YES	YES	YES ?	?	VEC .	YES	YES	no no	Windows	//
Nutanix USA	Company	Pay	YES	i,	YES	YES	YES H24//	YES YES	qemu/kvm	1	YES YE	S YES	YES YE	YES hyperconverged	YES Depend of n	nodes conf and cluster size. Dep	pend of nodes conf and cluster size	e <u>Limited by memory</u>	Limited by memory	32 logical proces	essors available 4.5 IB	9 <u>BB</u>	YES YES	:S ?	YES	Kubernetes (NKE)	no <u>YES</u>	YES YES	YES	no <u>YES</u>	YES YES	YES no YES	no <u>Y</u>	<u>YES</u> YES <u>Y</u>	YES ? Y	<u>-</u> S	YES YES	no	no	YES ?	<u>'</u>	YES	YES	YES YES	no no	Acropolis OS (Linux)	https://www.nutanix.com/
Nutanix CE 2.0	Company	Free -	no		no	no	?	YES YES	qemu/kvm	1	? YE	S YES	YES YE	YES hyperconverged	YES Depend of n	nodes conf and cluster size. Dep	end of nodes conf and cluster size	e Limited by memory	Limited by memory	4	?	?	YES YES	:S ?	· · · · · · · · · · · · · · · · · · ·	, ,	no ?	no no	YES	no no	no <u>YES</u>	no no no	no I	Irial	, , , , , , , , , , , , , , , , , , ,		YES ?	no	no	, ,			V=0		no no	Acropolis OS (Linux)	https://www.nutanix.com/fr/products/community-edition
OpenNebula Espan	a Company & Community	Free	Entreprise Edition	Apache License 2.0	YES	YES	,	YES YES YES	qemu/kvm	n LXC Firecracker Kubernetes	YES YE	S YES	In Dev YE	YES	?	· · · · · · · · · · · · · · · · · · ·	? 2	<u>500</u>	20000	1250	<i>'</i>	, , , , , , , , , , , , , , , , , , ,	<u>In Dev</u> ?	, ,	? LXC	Kubernetes	Firecracker YES	no no	no	no no	no no	YES no no	no <u>Y</u>	YES YES Y	YES ? Y	ES YES	YES YES	ES YES	YES	YES ?	, , , , , , , , , , , , , , , , , , ,		YES YES	S YES	no no	AlmaLinux / Cen1BS/ / RHEL / Debian / Ubuntu	https://opennebula.io
OpenShift 4.x	Company	Pay <u>Exte</u>	rended update support Term 2	Apache License 2.0	YES	YES	, , , , , , , , , , , , , , , , , , ,	YES	Kubernetes	es s	? YE	S YES	YES YE	YES hyperconverged	?	?	(177)	,	?	2000	' ' '	?	VEC	·	? Podman	Kubernetes	Katacontainers YES	no <u>YES</u>	no	no no	no no	YES no no	no	? Y	YES YES Y	:S	YES no	YES	YES	, ,	?		YES YES	YES	no no	RedHat	https://en.wikipedia.org/wiki/OpenShift
Denstack USA	Fondation	Free	YES	Apache License 2.0	, ,		YES H24/7	YES	qemu/kvm] - 186	yes YE	S ?	no YE	YES VEC	, XEC	8192 KHEL 9	64 IB	<u>16384</u>	r 2	700 710 REF	<u>16 18</u>	· · · · · · · · · · · · · · · · · · ·	YES YES	:S (YES DOCKER	Kubernetes	Katacontainers ?	YES YES	no	no no	YES no	YES YES	YES Y	YES	· · · · · · · · · · · · · · · · · · ·	S YES	YES YES	YES YES	YES	YES 2	f and afficial and a		YES YES YES	S YES YES	YES NO	openSUSE SUSE Linux Enterprise Server CenTBS REHL UD	nttu Debian nttps://www.openstack.org
CONTROL OF STATE AND	Company & Community	Free	NCC	AGPL-3.0	YES	<u>no</u>	YES H24//	YES YES	YES qemu/kvm	n LXC	no YE	S YES	YES YE	YES YES	YES	<u>8192</u>	128 IB	/ (teste avec 1024)		? <u>10</u>	<u>024</u> 41B	/ 16 TD	YES YES	:5 NO	no LXC	no	no YES+P	ARS AFE PLODGE	<u>DIY</u> no	no <u>YES</u>	no no	YES NO YES	YES TURNS	Key LXC YES	no YES Y	is iviodule	YES YES	ES YES YE	not omciai	YES !	not omciai <u>8.2</u>	no In Dou	YES UIG YES	S YES Dazaar	no no	Deplan	nttps://www.proxmox.com/en/
CP-ng 8.2 LTS / XenOrchestra Franc	Company	Free	YES	GPLV2 [YES	YES	f	15 15	xen	n LXC Firecracker Kubernetes es n LXC	no YE	5 165	YES YE	YES YES	YES	512	<u>6 1 B</u>	1000	<u>2400</u>	<u>54</u>	<u>1.5 IB</u>	<u> 16 18</u>	YES YES	<u>:</u> 5	in Dev	Pyrgos	no YES	f <u>YES</u>	no no	no no	no no	YES NO NO	<u>YES</u>	no YES	no ,	TES	YES YES	ES YES YE	YES	not omciai YES	f	in Dev	YES	YES YES	no no	Linux	nttps://xcp-ng.org/
Canonical																																															
Cloud-Edge	Company & Community	Free	?	Anache Licence	Uhuntu Pro	VFS	VFS H24/7	VFS	IXD/Oemu	ı/Kuhernetes		VFS																					charn	mhuh in VES						VFS	VFS					Ilhuntu 20 04 ITS & 22 04 ITS	https://microk8s
uiu/Maas	Company & Community	Free	?	GPLv2	Uhuntu Pro	YFS	YFS H24/7	YES	gemu/kym	n Kuhernetes	YF	S YES													IXD	Kuhernetes	no ?						charn	mhuh io YFS	7 7	?	? ?	? ?	?	YFS ?	YES	?				Uhuntu 20.04 LTS & 22.04 LTS	httns://iuiu is httns://maas io
MicroCloud UK	Company & Community	Free	?	GPLv2	Ubuntu Pro	YFS	YFS H24/7	YES	LXD/Kuberi	rnetes	YF	S YES	no												IXD	Kubernetes	no ?						charn	mhub io YFS	7 7	·		YFS ?	YES	YFS ?	YES	?				Uhuntu 20.04 LTS & 22.04 LTS	https://canonical.com/microcloud
MicroStack/Sunbeam UK	Company & Community	Free	?	Apache/Gpl	Ubuntu Pro	YES	YES H24/7	YES	gemu/kvm	Kubernetes	YE	S YES	no												2.0	Kubernetes	no ?						charn	mhub.io YES	? ?	, ?	· · · · ·	? ?	?	YES ?	YES YES YES YES	· ?				Ubuntu 20.04 LTS & 22.04 LTS	https://microstack.run
uju/MaasUKMicroCloudUKMicroStack/SunbeamUKOCK Distb Canonical KubernetesUK	Company & Community	Free	?	Apache /Gpl	Ubuntu Pro	YES	YES H24/7	YES	905,		·-	, 20	6													10.501.1000										•	, ,		·	YES	YES	·				Ubuntu 20.04 LTS & 22.04 LTS	https://ubuntu.com/kubernetes/charmed-k8s
	company a community		? ? ?				120 112 17																																								
For Home Lab 掛																																															
Projects to follow				_																																											
Apache CloudStack USA	Fondation	Free	?	Apache License 2.0	no	no	?	YES	XenServer/.	/XCP, qemu/KVM, Hyper-V	?	?	no YE	YES	?	?	?	?	?	?	? ?	?	? ?	9	?	?	no YES	no no	no	no no	no no	no no no	no)	YES	? ? Y	ES YES	YES YES	?	?	? ?	? ?		<u>YES</u> <u>YES</u>	<u>YES</u> <u>YES</u>			https://cloudstack.apache.org
<u>BVCP</u> USA	?		?	BSD					Bhyve																																						https://bhyve.npulse.net
CloneOS ? Russia	a? Community	Free	?	BSD	no	no			Bhyve Xen		YE	S no	? ?	? ?	?	?	?	?	?	?	? ?	?	? ?	9	?	?	? ?	no no	no	no no	no no	no no no	no	?	? ?		? ?	?	?	? ?	?	?				FreeBSD	https://clonos.convectix.com
Cloud Hypervisor (VMM)	Community	Free	?	Apache-2.0, BSD-3-Clause	no	no		YES	qemu/kvm	1						?	?	?	?	?	? ?	?	? ?	?	Kata Containers			no no	no	no no	no no	no no no	no														
<u>MyBee</u> ? Russia	? ?		?	BSD					Bhyve																																						https://myb.convectix.com
OKD (free version of OpenShift) USA	Community	Free	?	Apache License 2.0	YES	YES		YES	Kubernetes	S	YE	S YES	YES Konveyor			?	?	?	?	?	? ?	?	? ?	?	?	Kubernetes	Katacontainers ?	no no	no	no no	no no	no no no	no	?	YES ? Y	ES	YES YES	YES	YES	? ?	?					RedHat	https://www.okd.io
OpenQRM CE Austra	<mark>lia</mark> Entreprise	Free	?	GPLv2	?	?			qemu/kvm	1	?	?	? ?	? ?	?	?	?	?	?	?	? ?	?	? ?	?	?	?	? ?	no no	no	no no	no no	no no no	no	?	? YES		? ?	YES	?	? ?	?	?					https://opengrm-enterprise.com/community-edition/
OpenQRM Entreprise Austra	lia Entreprise	Pay	?	?	YES	YES			qemu/kvm	1			?	? ?	?	?	?	?	?	?	? ?	?	? ?	·	?	?	? ?	no no	no	no no	no no	no no no	no	?	? YES		? ?	YES	?	? ?	?	?					https://v-enterprise.com
ppenQRM + Proxmox Solution Austra	<mark>lia</mark> Entreprise	Pay	?	?	YES	YES			qemu/kvm	1						?	?	?	?	?	? ?	?	? ?	?	?			no no	no	no no	no no	no no no	no		YES		? ?	YES	?	? ? ? ? ? ?	?	?					https://opengrm-enterprise.com/opengrm-proxmox-solution/
Oracle Linux Virtualization Manager USA	Entreprise	Free	?	?	YES	YES			oVirt		YE	S YES	no			?	?	?	?	?	? ?	?	? ?	?	?	?	? ?	no <u>YES</u>	no	no no	no no	<u>YES</u> no <u>YES</u>	no	?	? ?		? ?	YES	no	? ?	?	?				Oracle Linux	https://www.oracle.com/fr/virtualization/#oracle-linux-kvm
Scale Computing USA	Entreprise	Pay	?	?	YES	YES	?		qemu/kvm	1	?	YES	? YE	YES hyperconverged	?	?	?	?	?	?	? ?	?	? ?	·	?		YES	no no	no	no no	no no	no no no	no														https://www.scalecomputing.com
SmartOS / Triton USA	Company	Free	?		?	?	?	YES	KVM, Bhyve	ve	In D	ev YES	no YE	YES hyperconverged	?	?	?	?	?						Zones		no ?	no no	no	no no	no no	no no no	no	no	no ?		YES YES	?	?	? ?	?			<u>YES</u> <u>YES</u>	no no	Illumios	https://www.tritondatacenter.com/smartos
SUSE Harvester ? USA/E	Company	Free	?	Apache License 2.0	?	?	?	<u>YES</u> no <u>YES</u>	no Kubernetes	s qemu/kvm	no YE	S YES	no YE	YES hyperconverged	?	?	?	?	?	?	? ?	?	? ?	?	?	Kubernetes	no ?	no no	no	no no	no no	no no no	no	no no	no YES n	o no	YES no	no no	no	YES ?	?	no		<u>YES</u>	no no	Suse	https://harvesterhci.io
/ergelO USA	Company	Pay	?	?	?	YES	?	YES	qemu/kvm	1	YE	S YES	YES	hyperconverged	?	?	?	?	?						?	?	no YES	no no	no	no no	no no	no no no	no	no	? YES	YES	YES ?	?	?	YES ?	?					Linux	https://www.verge.io/
ZStack Chino	Entreprise	Pay	?	?	YES	YES			qemu/kvm	1	?	?	YES ?	? ?	?	?	?	?	?	?	?	?	? ?		?	?	? ?	no no	no	no no	no no	no no no	no	?	? ?		? ?	?	?	? ?	?	?		<u>YES</u>		Linux	https://www.en.zstack.io
Stack Community China	Entreprise	Free	?	Apache License 2.0	no	no			qemu/kvm	1	YE	S ?	? ?	? ?	?	?	?	?	?	?	? ?	?	? ?)	?	?	??	no no	no	no no	no no	no no no	no	?	? ?		? ?	?	?	? ?	?	?				Linux	https://www.en.zstack.io/product/zstack_cloud_community/
An uncertain future OVirt USA RancherOS USA	Community	Fran		al/int	2	3			a a mass //assma		VE	. V.C.	20													-	2					VEC no VEC	VEC	2	2		2 2	VEC		2	2	2	VEC	VEC		ContOS	https://www.guist.org/
OVIII USA	Company	riee		OVIIL	; 2	? ?			qemu/kvm Kubernetes		7.5	S YES ?	710													110 Kubarnatas	r r	110 110	110	110 110	no no	YES no YES no no no	<u>7E3</u>	? 2	f f 2		r r	753	70	r r	<i>r</i> 2	r 2	<u>YES</u>	<u>1E3</u>		Linux	https://www.ovirt.org/
Kuncher OS OSA	Company			ŗ	ŗ	r			Kubernetes	5	f	r	110													Kubernetes	rr	no no	no	no no	no no	110 110 110	110	f	r r		r r	r	r	r	r	r				Linux	nttps://runcher.com/docs/os/v1.x/en/
Dead Project																																															
Oracle VM Server (FOL Jun 2024)	Company	2	_	2	2	2	2	2	XFN		2	2	2 2	2 2	2	2	2	2	2	2	2	2	? ?	>	2	2	2 2	2 2	2	2 2	? ?	2 2 2	2	2 2	2 2	? ?	2 2	2 2 2	2	2 2	2 2	2				Oracle Linux	https://www.oracle.com/virtualization/#oracle-vm-server-for-x86
Danuhe Cloud Slovens	ká Company & Community	Free	_	CDDI-1 0	?	?	•	•	Smart OS		. ?	VFS	no	•	•	•	•	•	•		•	•			•	Zones	no ?	•	•		•		•	no .	no ?	•	YFS YFS		. ?	? ?	? ?	?				Illumos	https://danuhe.cloud
Oracle VM Server (EOL Jun 2024) Danube Cloud Red Hat Virtualization (EOL August 31, USA)	Company	Pav	_	CDDL 1.0	•	•			Smartos		•	7.23	770													201163		no no	no	no no	no no	VES no VES	no	,,,,			123	·	•		·	•				mamos	ncepsiff duringercioud
ted that virtualization (EOE hagast SE	company	, ay																										ne ne		ne ne	7.0	<u>123</u> 110 <u>123</u>	7.0				<u> </u>										
Souverain	n = projet gérer en Furone																															? ? ? <u>YES</u> no <u>YES</u>															
1 næud :	n = projet gérer en Europe : single node = pas de cluster tributed Resource Scheduler Jaintien en condition opérationnel																																														
DRS = Dis	tributed Resource Scheduler																																														
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NSX = vir	laintien en condition opérationnel tualisation du réseau et de sécurité = Cuen vSwitch Motion = migration a chaud su sTBcka; = Live Migration = migration a chaud HA = défaillance cluster	Open vSwitch																																													
0\/S - 0r	en vSwitch	Open vowiton																																													
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VOAN = F	yperconverge Distributed Somison Engine - DDLL																																														
vspnere	Distributed Services Engine = DPU																																														