

Deploy like it's the 1980s

verMan.io

<https://github.com/SamuelMarks>

Samuel Marks.

Research fellow at Harvard Medical School / MEEI

PhD from the University of Sydney

>800 GitHub repos

>300 of these sources not forks

top 10 contributor to Keras

Google Developer Expert for Machine Learning / Artificial Intelligence

>13 years of software-engineering consulting experience

More than cross-platform

0. Docker (Linux)

More than cross-platform

0. Docker (Linux)
1. Linux (native)

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0. Docker (Linux)
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2. macOS

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4. iOS

More than cross-platform

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5. Android

More than cross-platform

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3. Windows
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6. FreeBSD, OpenBSD, NetBSD

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10. DOS
11. OS/360

More than Docker

0. Docker

More than Docker

V · T · E		Virtualization software		[hide]
Comparison of platform virtualization software				
Hardware (hypervisors)	Native	Adeos · CP/CMS · Hyper-V · KVM (oVirt · KubeVirt) · LDomS / Oracle VM Server for SPARC · Logical partition (LPAR) · LynxSecure · PikeOS · Proxmox VE · QNX · SIMMON · VMware ESXi (VMware vSphere · vCloud) · VMware Infrastructure · Xen (XenServer · XCP-ng) · XtratuM · z/VM		
	Hosted	Specialized	Basilisk II · Bochs · Cooperative Linux · DOSBox · DOSEMU · PCem · 86Box · PikeOS · SheepShaver · SIMH · Windows on Windows (Virtual DOS machine) · Win4Lin	
		Independent	bhyve · Microsoft Virtual Server · Parallels Workstation (Extreme) · Parallels Desktop for Mac · Parallels Server for Mac · PearPC · QEMU · VirtualBox · Virtual Iron · Virtual PC · VMware Fusion · VMware Server · VMware Workstation (Player)	
		Tools	Ganeti · System Center Virtual Machine Manager · Virt-manager	
Operating system	OS containers		FreeBSD jail · iCore Virtual Accounts · Linux-VServer · Linux Containers · OpenVZ · Solaris Containers · Virtuozzo · Workload Partitions	
	Application containers		Docker · Podman · Imctfy · rkt	
	Virtual kernel architectures		Rump kernel · User-mode Linux · vkernel	
	Related kernel features		BrandZ · cgroups · chroot · namespaces · eBPF · seccomp	
	Orchestration		Amazon ECS · Kubernetes · OpenShift	
Desktop	Citrix Virtual Apps · Citrix Virtual Desktops · Remote Desktop Services · VMware Horizon			
Application	Ceedo · Citrix Virtual Apps · Dalvik · InstallFree · Microsoft App-V · Remote Desktop Services · Symantec Workspace Virtualization · Turbo · VMware ThinApp · ZeroVM			
Network	Distributed Overlay Virtual Ethernet (DOVE) · Ethernet VPN (EVPN) · NVGRE · Open vSwitch · Virtual security switch · Virtual Extensible LAN (VXLAN) · Generic Network Virtualization Encapsulation (GENEVE)			
See also	BlueStacks			

More than multicloud

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1. Microsoft Azure

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4. Alibaba Cloud Elastic Compute Service (ECS)

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12. Exoscale

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More than open-source

License
public domain

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Unique Value Proposition

UVP

- ▶ 1-click deploy

Unique Value Proposition

UVP

- ▶ 1-click deploy
- ▶ 2-click multicloud deploy

Unique Value Proposition

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- ▶ 1-click deploy
- ▶ 2-click multicloud deploy
- ▶ Cross-platform

Unique Value Proposition

UVP

- ▶ 1-click deploy
- ▶ 2-click multicloud deploy
- ▶ Cross-platform
- ▶ Documentation generation

Unique Value Proposition

UVP

- ▶ 1-click deploy
- ▶ 2-click multicloud deploy
- ▶ Cross-platform
- ▶ Documentation generation
- ▶ Cloud / host agnostic

Revenue opportunities

- ▶ create a new lift-and-shift software-engineering consultancy (to/fro mainframes and clouds)

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 - ▶ databases
 - ▶ MLOps
 - ▶ cpanel alternative
 - ▶ full PaaS... or similar.

Roadmap

Now

Working version

Roadmap

Now

Working version

+1 week

Telemetry (OpenTelemetry linked throughout; with multiple dashboarding and metric-gathering systems)

Roadmap

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Working version

+1 week

Telemetry (OpenTelemetry linked throughout; with multiple dashboarding and metric-gathering systems)

+2 weeks

Backups; more docs; more toolchains

Roadmap

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Telemetry (OpenTelemetry linked throughout; with multiple dashboarding and metric-gathering systems)

+2 weeks

Backups; more docs; more toolchains

+3 weeks

PaaS type functionality; GitOps

Roadmap

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Working version

+1 week

Telemetry (OpenTelemetry linked throughout; with multiple dashboarding and metric-gathering systems)

+2 weeks

Backups; more docs; more toolchains

+3 weeks

PaaS type functionality; GitOps

+4 weeks

More databases, toolchains, servers on more OSs and distributions

Questions?

Thank you for viewing & attending this presentation!

samuel@offscale.io

<https://github.com/SamuelMarks/libscript>

<https://github.com/verman-io>