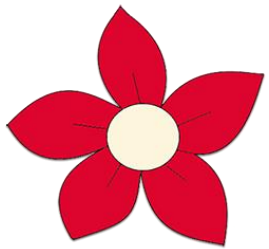


VanillaStack

#CloudExcellence #VanillaStack

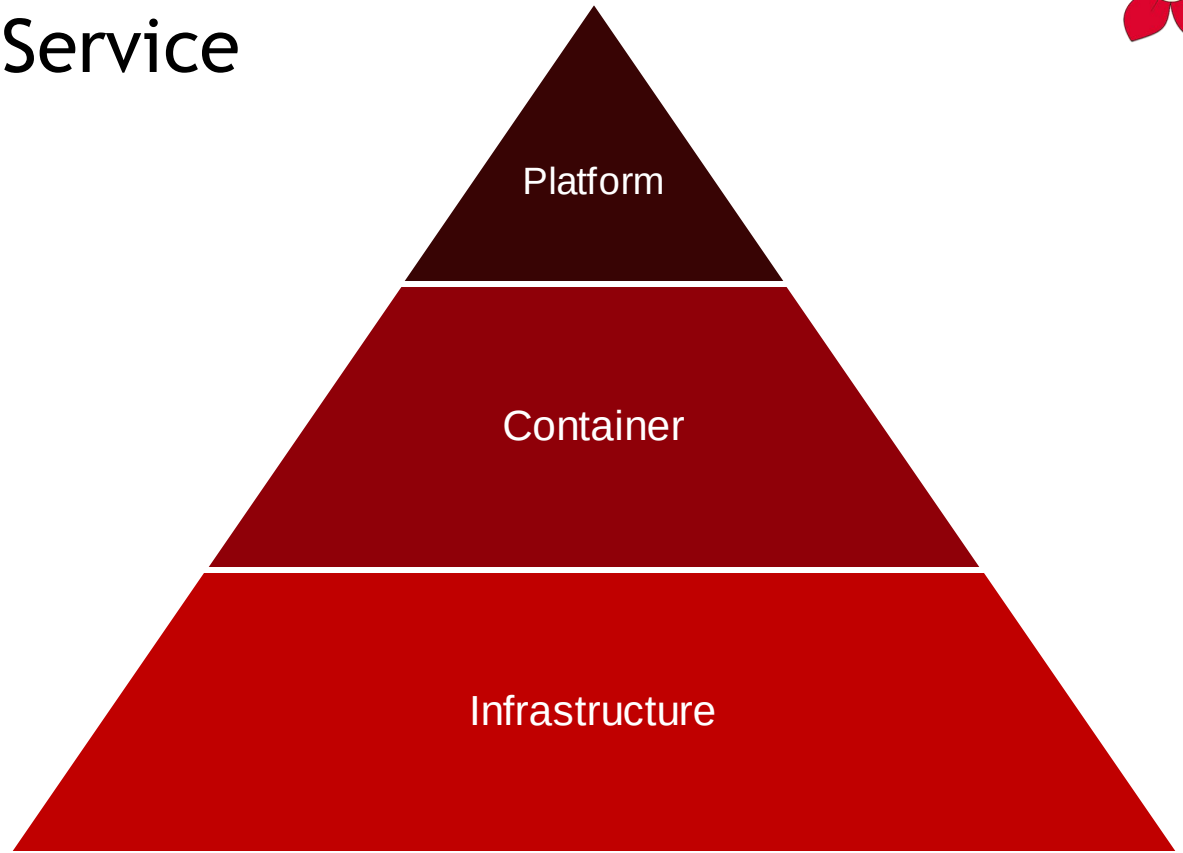
Current challenges in IT

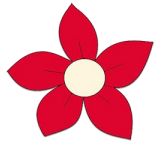
Customers and Stakeholders expect **more**:

- Greater Flexibility in Infrastructure
- Faster Deployments
- Faster Reactions
- Better Scalability
- 24/7 Availability
- Automation
- Governance

- Lower Costs :-)

Everything as a Service





Let‘s do Cloud!

Lift & Shift
Fast and Simple

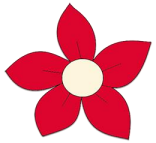
Container

…Solving all Problems?

Kubernetes

- ✓ Container-Orchestrator
- ✓ Self-Healing Services
- ✓ Automatic Load Management
- ✓ Secury by Design
- ✓ 100% Open-Source
- ✓ Huge Community

kubernetes

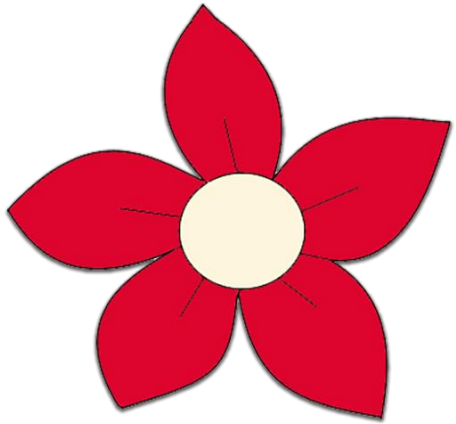


76%

Challenges for Open-Source-Solutions

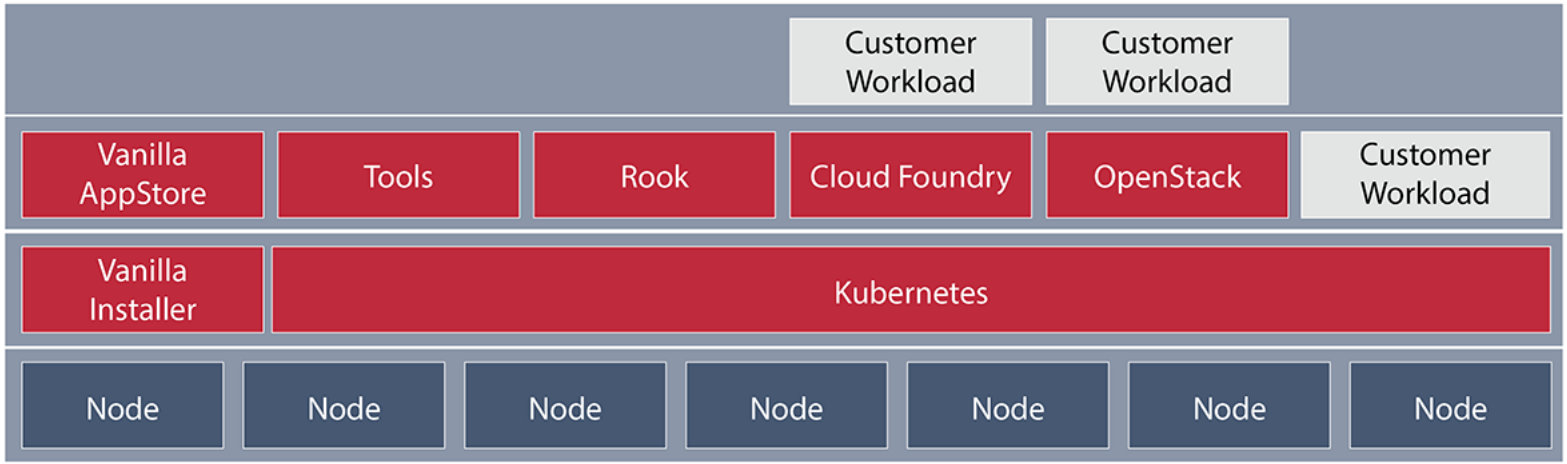
Challenging ecosystem:

- Proprietary solutions are pushed with huge sums
- Integration efforts for Open-Source projects
- Vendor-Lock even with Open-Source-Solutions
- Vanilla-Projects often understood as not „*ready for prime-time*“
- Ecosystem? What ecosystem?



VanillaStack

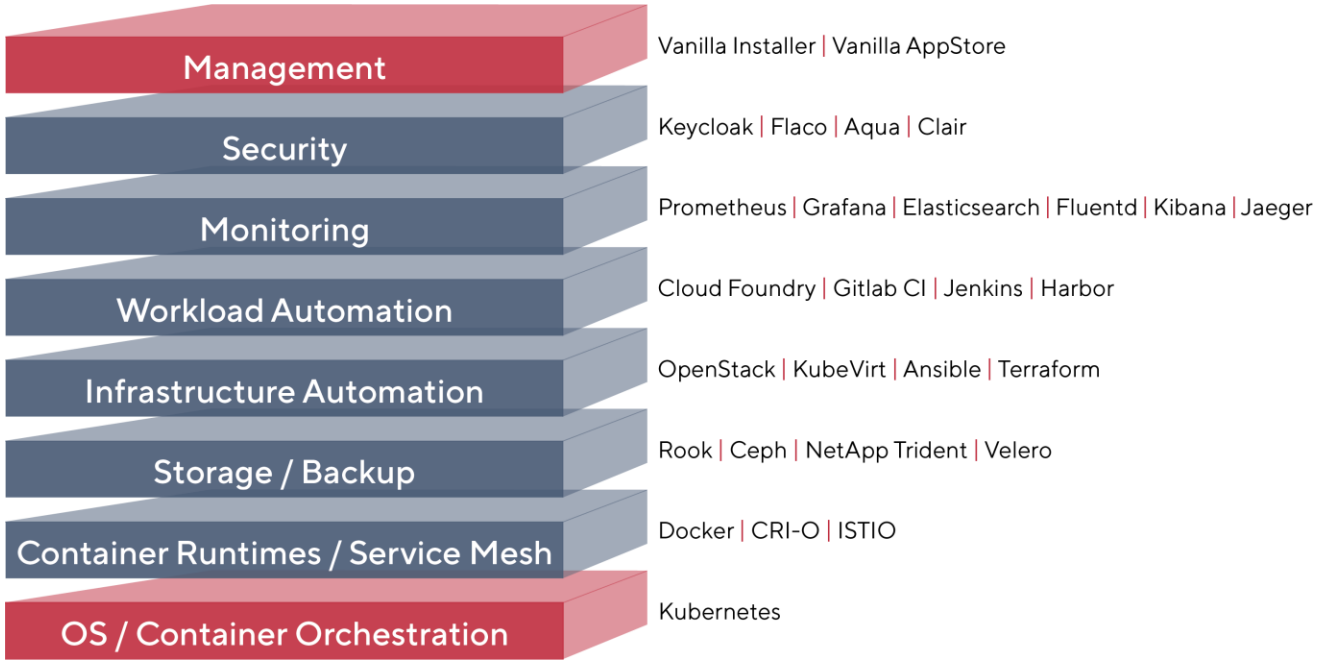
- ✓ Enterprise Open-Source Cloud-Stack
- ✓ Kubernetes as Operating System
- ✓ Bring your own Linux
- ✓ Full Commercial Support



True Open-Source

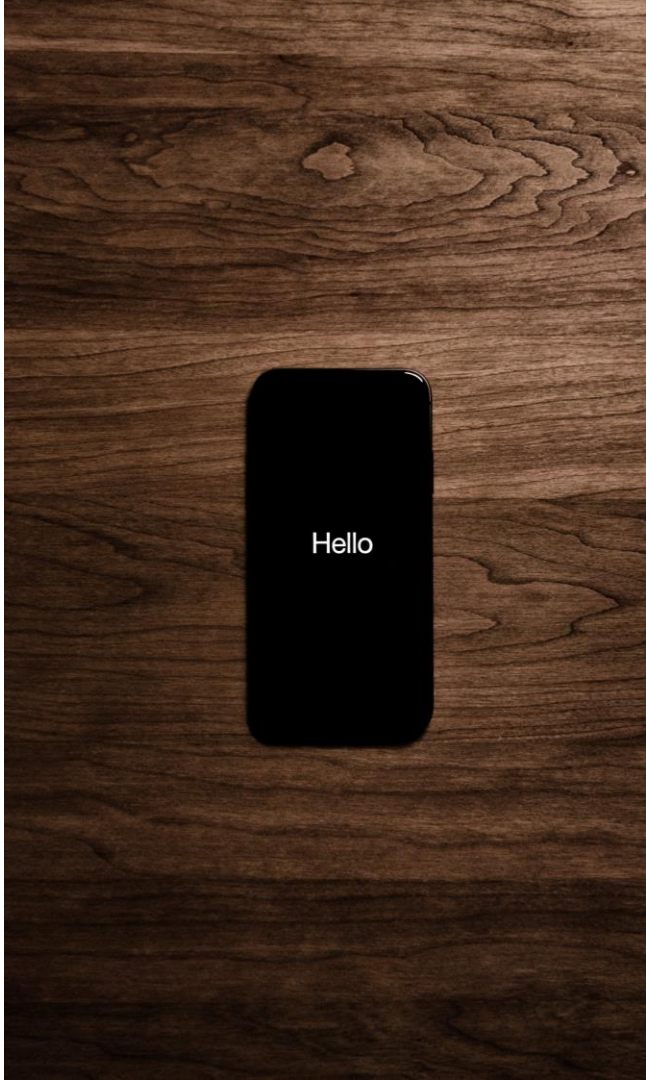
- ✓ 100% Open-Source Projects
- ✓ Vanilla-Editions of Projects
- ✓ Support for the Community
- ✓ No Vendor-Lock!

Complete Open-Source Stack



Because Simplicity is Best

- ✓ Components to be rolled out automatically
- ✓ Initial installation via VanillaInstaller
- ✓ Installations and updates via VanillaStore
- ✓ Out-of-the-Box-Integrations and operability



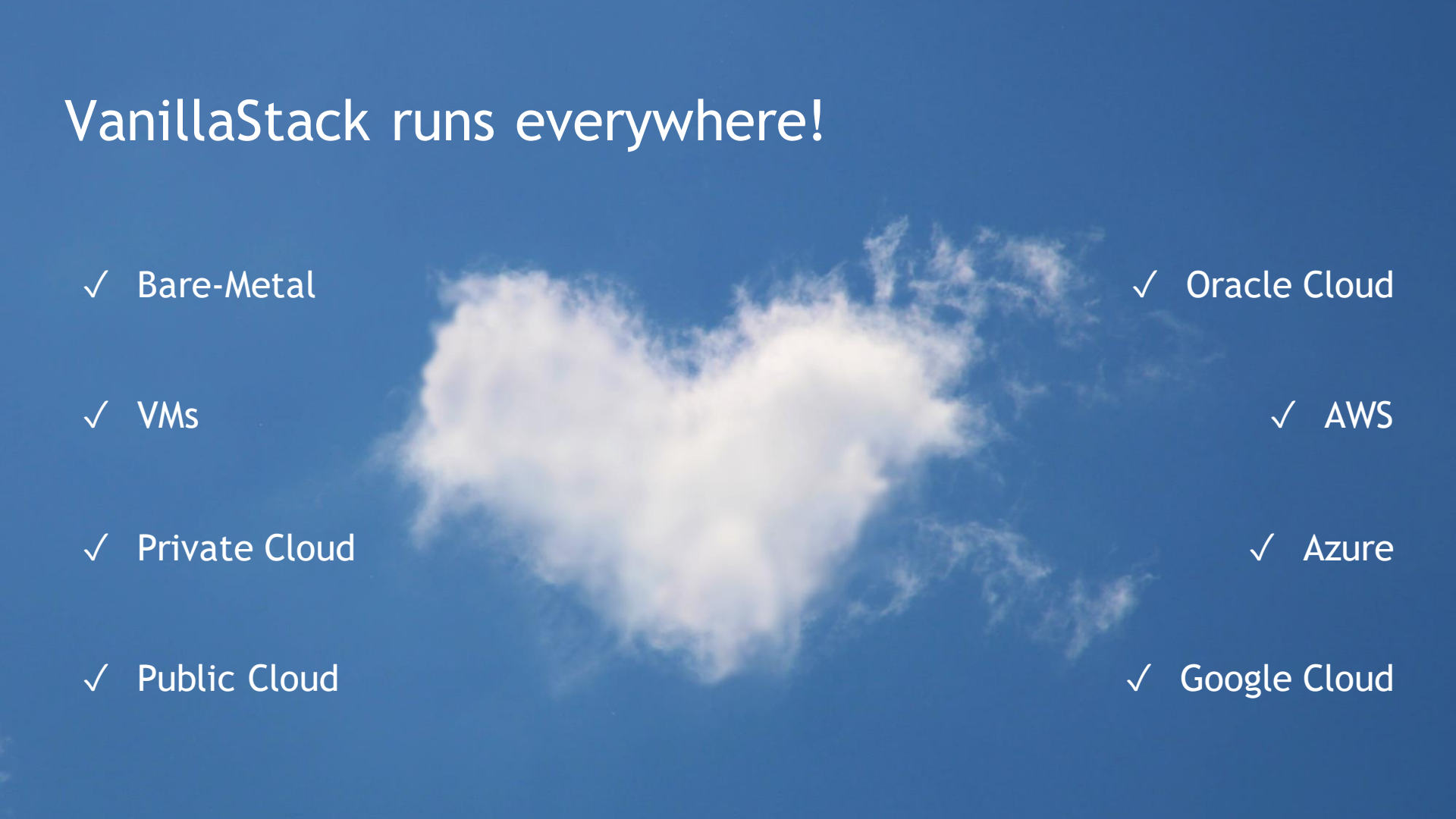
From Platform to Ecosystem

- ✓ Open by design and mindset
- ✓ Vanilla-Projects
- ✓ No Vendor-Lock!
- ✓ Can be expanded with a huge amount Open-Source- and Commercial-Components
- ✓ Ecosystem instead of proprietary solution

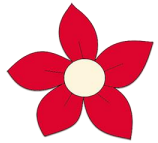
Trustworthiness

100% Open-Source, 100% Support

VanillaStack runs everywhere!

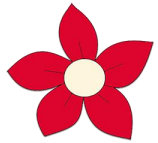


- ✓ Bare-Metal
- ✓ VMs
- ✓ Private Cloud
- ✓ Public Cloud
- ✓ Oracle Cloud
- ✓ AWS
- ✓ Azure
- ✓ Google Cloud



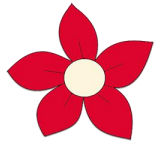
Demo:

VanillaStack Installer



Use-Cases

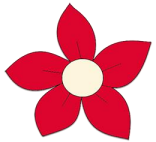
IaaS on VanillaStack



- ✓ OpenStack HELM
- ✓ Rook or Ceph as Storage
- ✓ Installation via AppStore
- ✓ Roll-Out and Operations in <40min!

- ✓ Recommended Configuration:
  - ✓ 3 Master-Nodes for HA
  - ✓ 5 Worker-Nodes for Workloads
  - ✓ 20+ Cores for OpenStack Worker
  - ✓ 64+GB RAM for OpenStack Worker

PaaS on VanillaStack

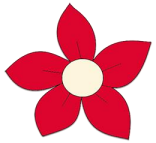


- ✓ Kubernetes as Base
- ✓ Harbor for Images
- ✓ Rook as Storage
- ✓ ISTIO as Service Mesh
- ✓ GitLab, Jenkins or Cloud Foundry
- ✓ Recommended Configuration:
  - ✓ 3 Master-Nodes for HA
  - ✓ 3 Worker-Nodes for Workloads
  - ✓ 20+ GB Storage

Ops on VanillaStack

- ✓ Prometheus
- ✓ Grafana
- ✓ ELK
- ✓ Rook or Ceph as Storage

- ✓ Rolled Out and directly usable
- ✓ Recommended Configuration:
  - ✓ 3 Master-Nodes for HA
  - ✓ 5 Worker-Nodes for Workloads
  - ✓ 40+ GB Storage



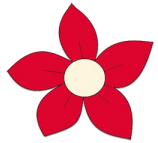
Community

VanillaStack IS community

Community-driven open-source

Roadmap

- ✓ Open-Source: Now
- ✓ Available under Apache 2.0: Now
- ✓ Community-Contributors: Now
- ✓ Reaching out to LF- and CN-projects: From Oct, 1st
- ✓ Hand-Over to VanillaFoundation: Q1 2021



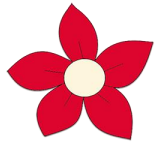
Availability

VanillaStack Availability

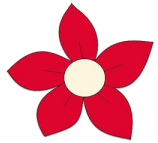
- ✓ Preview Version: Today
- ✓ VanillaInstaller: Today
- ✓ VanillaStore: Sep. 29
- ✓ Final Version: Sep. 29
- ✓ Forums: Today
- ✓ Documentation: Today
- ✓ Commercial Support: Sep. 29

Road Map

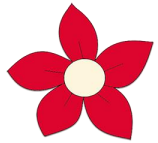
VanillaStack Road Map 2020



- ✓ Fedora / CentOS: Today
- ✓ Debian / Ubuntu: Oct. 2020
- ✓ Commercial Linuxes:
  - ✓ RHEL: Oct. 2020
  - ✓ SLES: TBA
- ✓ Remote Installer: Nov. 2020
- ✓ Cloud Installer: Dec. 2020



vanillastack.io



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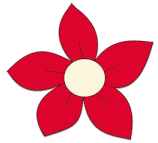
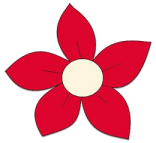


#VanillaStack



So. Much. More.