

Kubernetes: HomeLab

Маленькая лаборатория для тестового кластера.

Hardware

- Dell 1950 Server, 8 x Intel Xeon E5410, 12 Gb RAM, 265 Gb HDD (Raid5)
- Self-made, 4 x Intel i5-3330, 32 Gb RAM, 7 Tb HDD

Virtualization

- Proxmox 6.4

Nodes

- Master & Etcd: 3 VM x (2 CPU / 2 Gb RAM / 16 Gb HDD)
- Workers: 2 VM x (4 CPU / 4 Gb RAM / 40 Gb HDD)
- Ingress: Dedicated node for Ingress Controller, 1VM x (4 CPU / 4 Gb RAM / 40 Gb HDD)

Kubernetes

- Kubespray: <https://github.com/kubernetes-sigs/kubespray>

Software

- NFS client provisioner: <https://artifacthub.io/packages/helm/ckotzbauer/nfs-client-provisioner>
- Certificates: <https://artifacthub.io/packages/helm/cert-manager/cert-manager>
- DNS Server: <https://artifacthub.io/packages/helm/coredns/coredns>
- DNS proxy ad-blocker: <https://artifacthub.io/packages/helm/k8s-at-home/blocky>

[kubernetes](#), [k8s](#), [homelab](#)

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