

TEKLRN

KUBERNETES LEVEL 19

1. Service
 - Motivation
 - Service resources
2. Cloud-native service discovery
3. Defining a Service
4. Services without selectors
5. EndpointSlices
 - FEATURE STATE: Kubernetes v1.17 [beta]
 - Application protocol
 - FEATURE STATE: Kubernetes v1.19 [beta]
6. Virtual IPs and service proxies
7. Why not use round-robin DNS?
8. User space proxy mode
 - iptables proxy mode
 - IPVS proxy mode
9. FEATURE STATE: Kubernetes v1.11 [stable]
10. Multi-Port Services
 - Choosing your own IP address
11. Discovering services
12. Environment variables
13. DNS
 - Headless Services
 - With selectors
 - Without selectors
14. Publishing Services (ServiceTypes)
 - Type NodePort
 - Type LoadBalancer
15. Internal load balancer
 - TLS support on AWS

- PROXY protocol support on AWS
- ELB Access Logs on AWS
- Connection Draining on AWS

16. Other ELB annotations

17. Network Load Balancer support on AWS

18. FEATURE STATE: Kubernetes v1.15 [beta]

19. Other CLB annotations on Tencent Kubernetes Engine (TKE)

20. Type ExternalName

- External IPs
- Shortcomings

21. Virtual IP implementation

- Avoiding collisions
- Service IP addresses
- Userspace
- iptables
- IPVS

22. API Object

- Supported protocols
- PROXY protocol
- SCTP