**TEKLRN**

KUBERNETES LEVEL 17

1. Service
   - Motivation
   - Service resources

2. Cloud-native service discovery

3. Defining a Service
   - EndpointSlices
   - Application protocol
   - Virtual IPs and service proxies

4. Why not use round-robin DNS?

5. User space proxy mode

6. iptables proxy mode

7. IPVS proxy mode

8. FEATURE STATE: Kubernetes v1.11 [stable]

9. Multi-Port Services

10. Choosing your own IP address

11. Discovering services

12. Environment variables

13. DNS

14. Headless Services
    - With selectors
    - Without selectors

15. Publishing Services (ServiceTypes)
    - Type NodePort
    - Type LoadBalancer
    - Internal load balancer

16. TLS support on AWS
    - PROXY protocol support on AWS
    - ELB Access Logs on AWS

17. Connection Draining on AWS

18. Other ELB annotations

19. Network Load Balancer support on AWS

20. Other CLB annotations on Tencent Kubernetes Engine (TKE)
    - Type ExternalName
    - External IPs

21. Shortcomings

22. Virtual IP implementation

23. Avoiding collisions
    - Service IP addresses
    - Userspace
    - iptables

24. IPVS

25. API Object
26. Supported protocols
    - SCTP
    - Service with type=LoadBalancer
    - Userspace kube-proxy