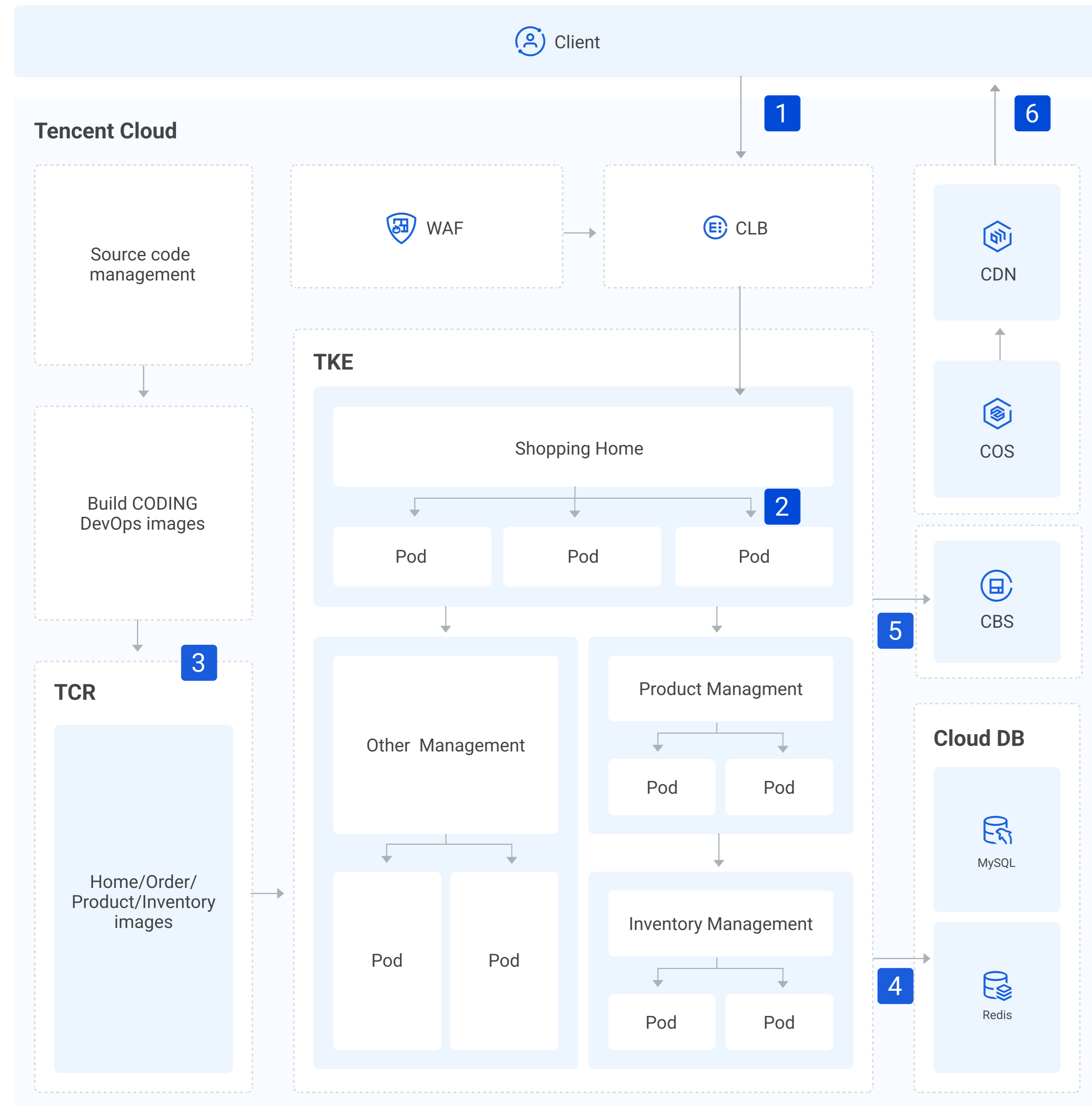


Microservices for Large-scale E-commerce Use Cases



- 1 Customers can access Tencent Cloud's services via Cloud Load Balancer (CLB) and Web Application Firewall (WAF), a product that provides protection against web attacks, intrusions, exploits, trojans, tampering, backdoors, crawlers, and domain name hijacking.
- 2 After passing through the CLB, the traffic is loaded into Tencent Kubernetes Engine (TKE), which provides container-centric, highly scalable, and high-performance container management services. The microservices applications of customers' e-commerce systems, such as the home page, products, inventory, and order management, are deployed on TKE. Customers can develop microservices applications using Spring Cloud or the Service Mesh framework.
- 3 TKE enables customers to pull microservices images from Tencent Container Registry (TCR) for service deployment. Customers can use TCR, a secure, dedicated, and high-performance container image hosting and distribution service, to customize image synchronization rules and triggers and flexibly utilize TKE with existing CI/CD workflows to efficiently implement container DevOps.
- 4 Dynamic or structured data can be stored in cloud databases such as TencentDB for MySQL and TencentDB for Redis. Customers can deploy containerized databases in TKE that pull images from the container registry.
- 5 TKE is fully compatible with all Kubernetes capabilities and has been adapted to Tencent Cloud's fundamental IaaS capabilities such as CVM and Cloud Block Storage (CBS).
- 6 Static or unstructured data such as images, videos, and logs can be stored in Cloud Object Storage (COS), accelerated via Content Delivery Network (CDN), and used for big data analysis.