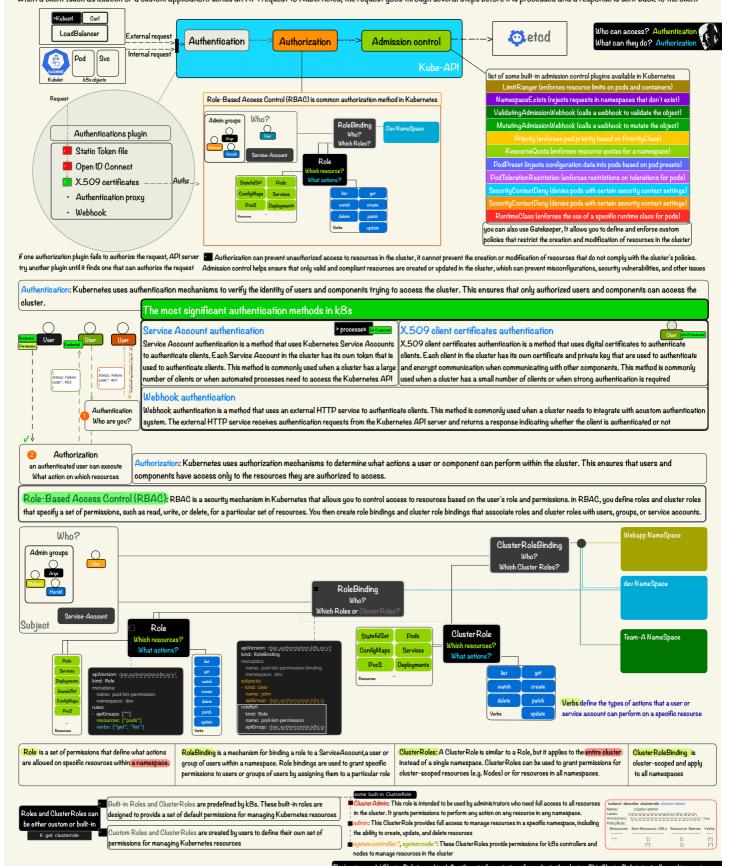
When a client (such as kubectl or a custom application) sends an API request to Kubernetes, the request goes through several steps before it is processed and a response is sent back to the client



The 'system:node' Cluster Role is used to define the set of permissions for nodes in the cluster. This Cluster Role is typically used to grant permissions to the kubelet, to perform actions on various resources related to nodes, including nodes themselves, pods, and service accounts

Admission control: Kubernetes uses a Admission control mechanism for enforcing rules and policies on k8s resources before they are created or updated in the cluster. This can include validating the structure and content of resource manifests, applying default values, and enforcing constraints on resource usage. There are two types of admission control plugins:

Validating admission plugins: These plugins validate the request object without modifying it. They can reject the request if it doesn't meet the required criteria.

Mutating admission plugins: These plugins can modify the request object, as well as validate it. They are executed before the validating admission plugins