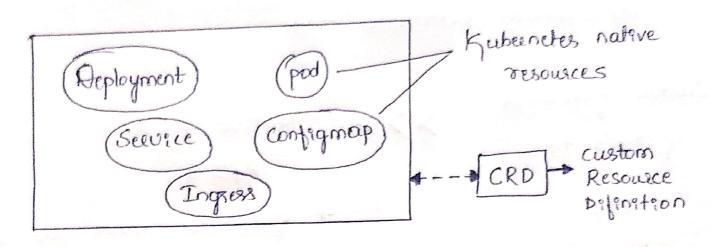
Day - 13

Custom Pesource Definition (CRD)



To Extend the functionality of tubernetes with API's tubernetes allows you to use then, it is called custom resource definition.

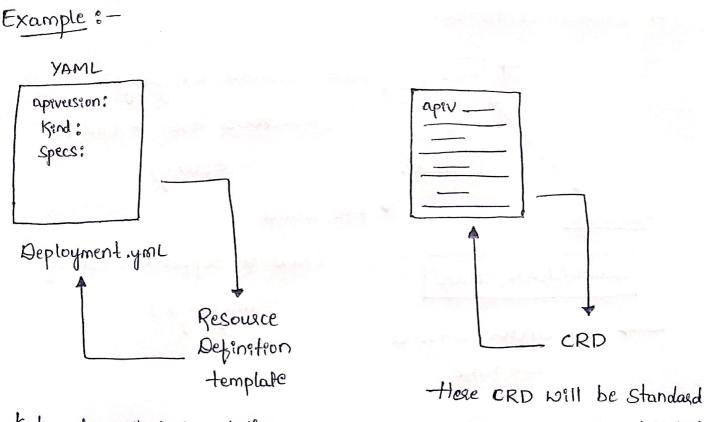
For Example, It we want to extend Securety features of tubernetes you can emplement any custom API to extends the functionality of tubernetes.

There are two entities people who should act to these CRD's they are:

1) Devops Engineer
2) uses

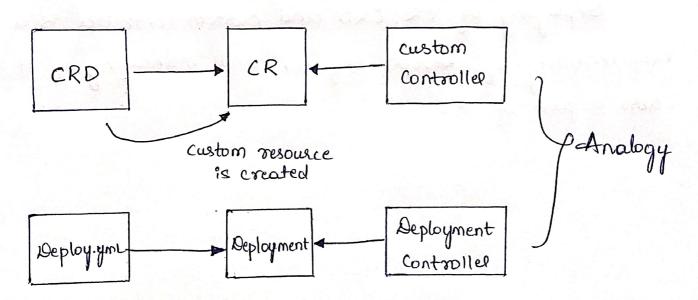
Examples: Flux, Ango CD, key clock etc.

our main focus will be on: 1) custom resource defenition - CRD 2) Custom resource - CR 3) custom controller - cc Custom Resources Native 58/8 >>> of 48's APIS API'S → fubernetes connot add logic - istio - ANGOCO to all custom API's . So - Keyclock KSS Extend capacilities of - Security related API using CRD, CR, CC Kubernetes cluster 1) CRD :- Defining new type of API to K88. → K8S template. yml CRD

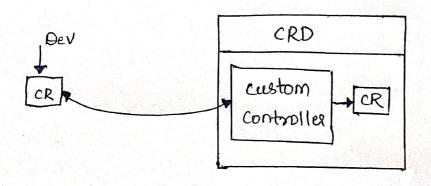


kubernetes will check rehether deploy. Yml is upto Standard.

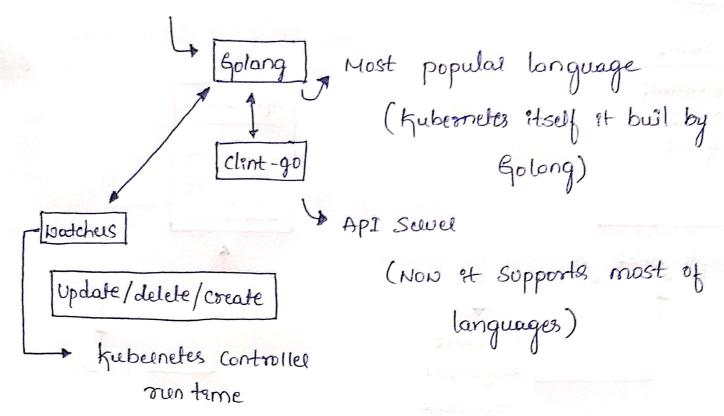
Here CRD Will be Standard template 9t WIII validated CRD template.



This custom resource will be created inside cluster. It will have the custom controller.



- Custom Controller.



Use respective installation documentation to install the Custom controller. It will vary with the tool your using.

Deploying of CR, CRD and custom controller is a responsibility of Devops Engineer and managing of it is also a past of it.