Kubernetes 101 Notes

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1 `kubectl` Commands

kubectl is the command-line tool used to interact with Kubernetes clusters.

1.1 `kubectl` Documentation

- `kubectl api-resources` - List all available resource types in the cluster.
- `kubectl explain <resource>` - Show documentation for a specific resource type.
- `kubectl explain <resource>.<field>` - Show documentation for a specific field of a resource.
- `kubectl explain <resource> --recursive` - Show documentation for a resource and all its fields recursively.

1.2 `kubectl get` Resources

- `kubectl get pods` - List all pods in the current namespace.
- `kubectl get services` - List all services in the current namespace.
- `kubectl get deployments` - List all deployments in the current namespace.

1.3 `kubectl apply`

- `kubectl apply -f <file.yaml>` - Apply a configuration file to create or update resources in the cluster.
- `kubectl apply -k <directory>` - Apply a directory of configuration files using Kustomize.