

ConfigMaps, Secrets, and Certificates

Unit 5.3



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Our applications are likely going to have dependencies on small bits of code that we want to reuse across the pods in our environment. Some of these will be more sensitive in nature than others, which is why Kubernetes has developed the ConfigMap, Secret, and Certificate resource types. Each of them stores an artifact of code, but each one does it slightly differently.

The tooling around these resources enables you to modify them without restarting container workloads, and in the case of secret-type data (Secrets and Certificates), adds additional attributes to limit their visibility in the cluster.

References

ConfigMaps - <https://rancher.com/docs/rancher/v2.x/en/k8s-in-rancher/configmaps/>

Secrets - <https://rancher.com/docs/rancher/v2.x/en/k8s-in-rancher/secrets/>

Certificates - <https://rancher.com/docs/rancher/v2.x/en/k8s-in-rancher/certificates/>