**Description :** “Kubernetes Operator to duplicate ConfigMaps and Secrets across namespaces.”

**Labels :**

datareplicator/replicate-to: "namespace1,namespace2" [default: empty]

datareplicator/replicated: true [default: false]

datareplicator/createnamespace: true [default: false]

datareplicator/sourcenamespace: “namespaceX”

**Target Resources:** Secrets, Configmaps

**Pseudocodes:**

* Get a set (non-repeated) of namespaces and remove current/duplicated namespace if any.
* Check if replicated label is present (if yes ignore, else go forward)
* Check if destination namespace exist, if yes add replicated label, make copy, empty the identity data (UID, ResourceVersion) and create in destination namespace (modify namespace field) ,add a new label with sourcenamespace for reference to the copied object and remove the following labels if any.
  + datareplicator/replicate-to:
  + datareplicator/replicated:
  + datareplicator/createnamespace:
* If destination namespace does not exist, check label “datareplicator/createnamespace” if true then create namespace and follow the duplication process else if False/Not Exist then ignore.

**Extra Steps:**

* Delete/Update the duplication object based on source object.

**Testing:**

* Make Working Model as per Pseudocodes.
  + Test on KinD/Minikube
  + Test on EKS
* Make Working Model with Extra Steps.
  + Test on KinD/Minikube
  + Test on EKS.

**Outputs:**

* .yaml install files (docker container based for controller) [github link, dockerhub repo]
* Helm Chart [Artifacthub]