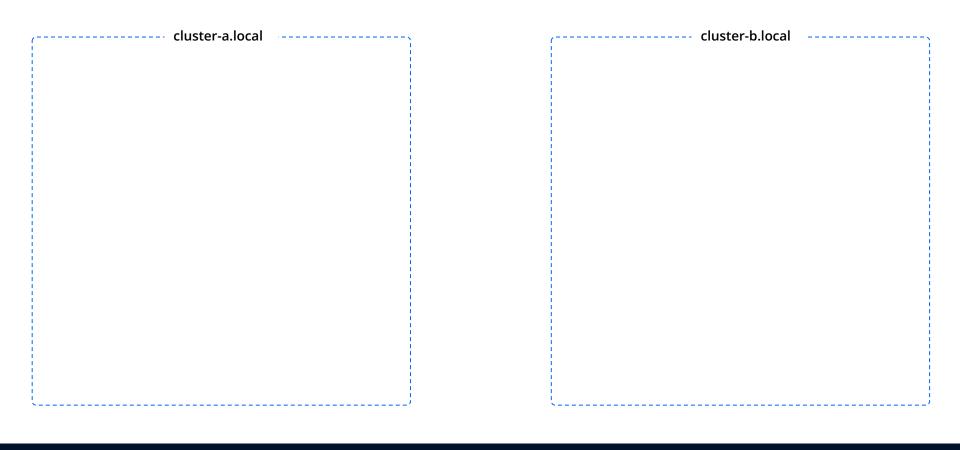
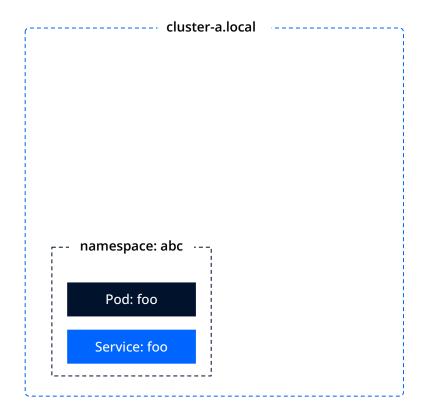
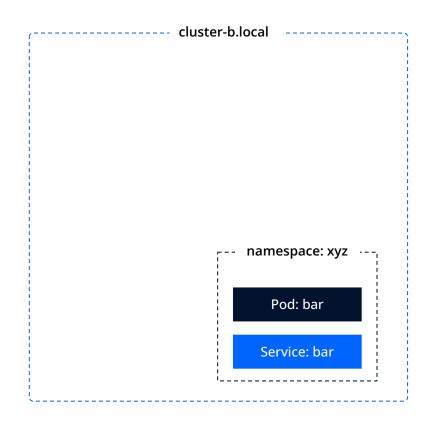
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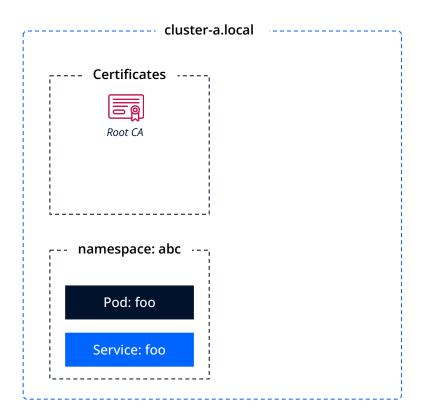
Federation
Common principles

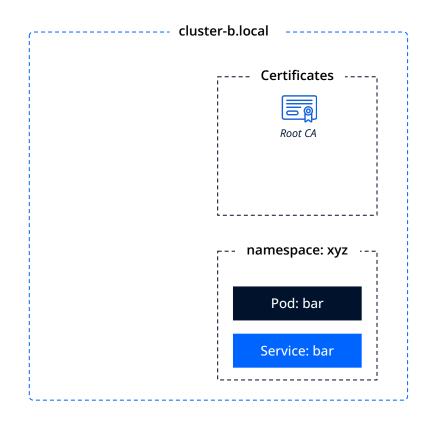




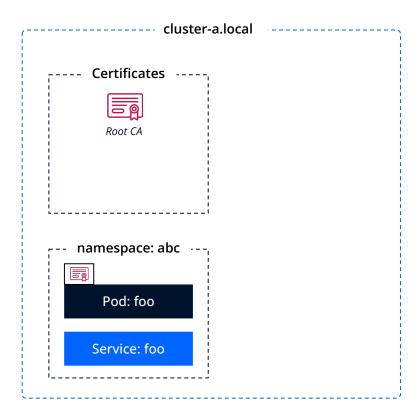


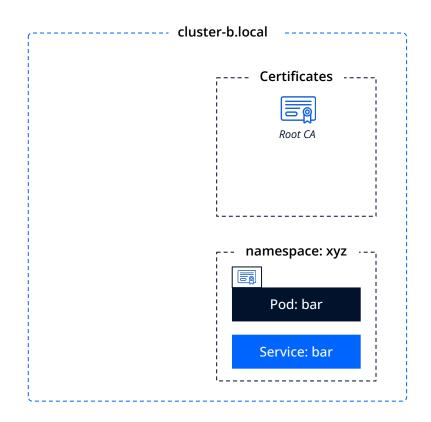


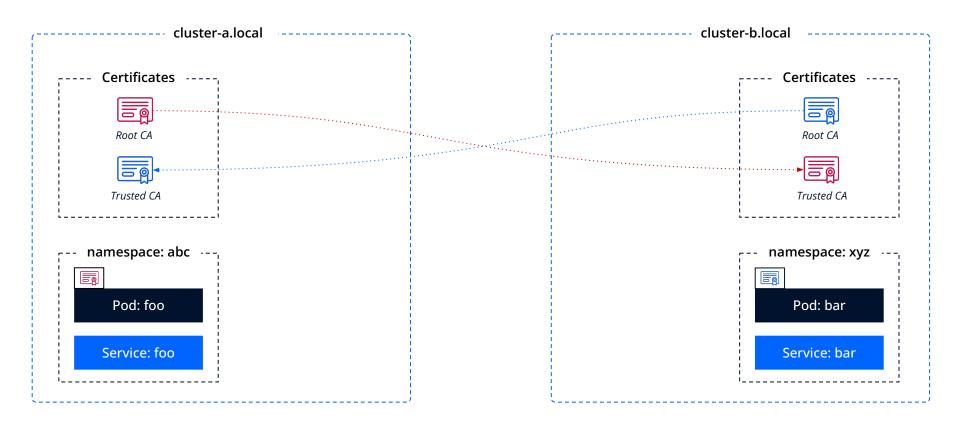




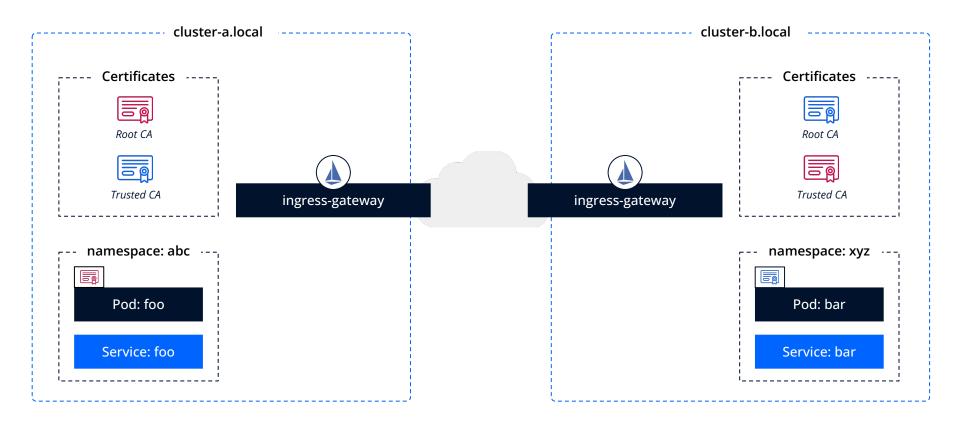
Each cluster has a trusted certificate repository that contains a single root certificate of the cluster.



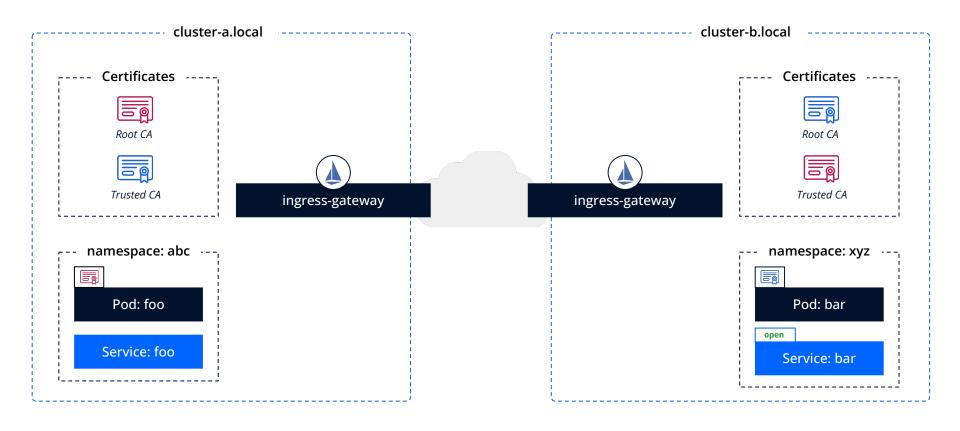




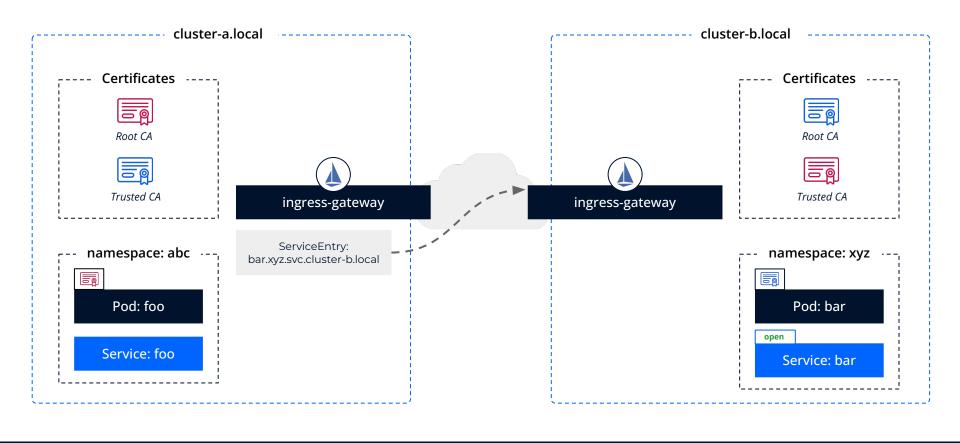
These two clusters must mutually exchange root certificates and put them in the trusted certificate repository to establish mutual trust.



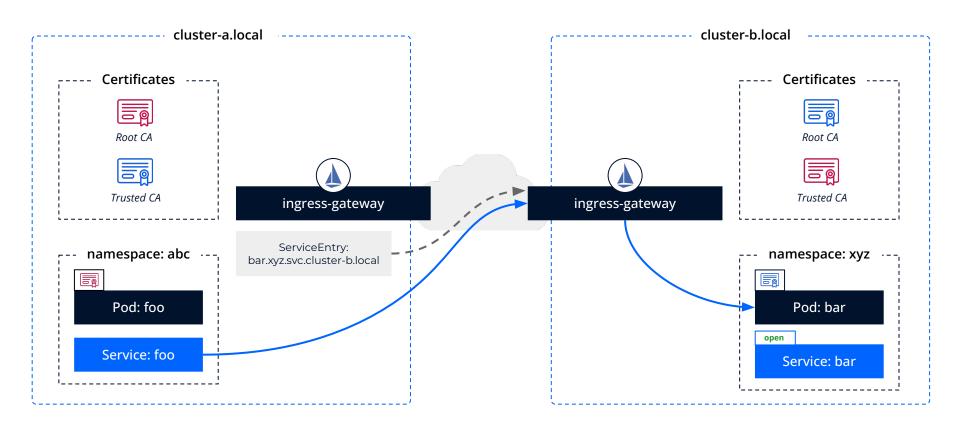
Each cluster has an ingress gateway to receive Mutual TLS requests outside the cluster.



We use these ingress gateways to provide external clusters with access to the service under the federation.



All that is left to do now is to create a ServiceEntry resource. It will register the remote bar.xyz.svc.cluster-b.local service in cluster-a and specify the parameters of the cluster ingress-gateway to use for accessing the service.



As a result, the federation is configured, and services in different clusters can access each other with all the benefits of a shared Service Mesh.