Red Hat Data Grid 7.3 Data Grid Operator Quickstart

Data Grid Documentation
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Abstract

Store and retrieve data on Data Grid clusters with the Data Grid Operator.
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The Data Grid Operator provides operational intelligence and reduces management complexity for deploying Data Grid clusters on OpenShift.

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Technologies: Data Grid, Operator, Kubernetes, OKD, Red Hat OpenShift

1. STORING AND RETRIEVING DATA ON DATA GRID CLUSTERS

Prerequisites

- Complete the procedures to create a Red Hat Data Grid cluster with the Data Grid Operator and then retrieve credentials for the application user. See the following topics in the Data Grid documentation:
  - Spinning Up Data Grid Clusters
  - Retrieving Cluster Credentials

Procedure

1. Expose the Data Grid service for external access.
   
   $ oc expose svc example-rhdg

2. Create local variables for the public route and credentials.
   
   a. Export the host for the public route to a local variable.
      
      $ export DATAGRID_HOST=$(oc get route example-rhdg -o jsonpath='{.spec.host}')

   b. Export the generated password from the secret to a local variable.
      
      $ export PASS=$(oc get secret example-rhdg-app-generated-secret -o jsonpath="{".data.password}" | base64 --decode)

3. Store some data through the HTTP endpoint.
   
   $ curl -v
   -X POST
   -u developer:${PASS}
   -H 'Content-type: text/plain'
   -d 'test-value'
   $(DATAGRID_HOST)/rest/default/test-key
   ...
   < HTTP/1.1 200 OK

4. Retrieve the data from the Data Grid cluster.
   
   $ curl -v
   -u developer:${PASS}
   $(DATAGRID_HOST)/rest/default/test-key
...< HTTP/1.1 200 OK ...
test-value