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
```