

doris2.0.3测试文档

10.1 创建并连接

10.1.1 创建

10.1.1.1 account.yaml

```
1 apiVersion: v1
2 kind: ServiceAccount
3 metadata:
4   labels: {{- include "common.labels.standard" . | nindent 4 }}
5   name: {{ .Release.Name }}-kb-doris-sa
6   namespace: {{ .Release.Namespace | quote }}
7 ---
8 apiVersion: rbac.authorization.k8s.io/v1
9 kind: Role
10 metadata:
11   labels: {{- include "common.labels.standard" . | nindent 4 }}
12   name: {{ .Release.Name }}-kb-doris-sa
13   namespace: {{ .Release.Namespace | quote }}
14 rules:
15   - apiGroups:
16     - '*'
17     resources:
18     - '*'
19     verbs:
20     - get
21     - watch
22     - list
23     - exec
24
25 ---
26 apiVersion: rbac.authorization.k8s.io/v1
27 kind: RoleBinding
28 metadata:
29   labels: {{- include "common.labels.standard" . | nindent 4 }}
30   name: {{ .Release.Name }}-kb-doris-sa
31   namespace: {{ .Release.Namespace | quote }}
32 roleRef:
33   apiGroup: rbac.authorization.k8s.io
34   kind: Role
```

```

35   name: {{ .Release.Name }}-kb-doris-sa
36 subjects:
37   - kind: ServiceAccount
38     name: {{ .Release.Name }}-kb-doris-sa
39     namespace: {{ .Release.Namespace | quote }}

```

10.1.1.2 cluster.yaml

```

1  apiVersion: apps.kubeblocks.io/v1alpha1
2  kind: Cluster
3  metadata:
4    labels: {{- include "common.labels.standard" . | nindent 4 }}
5      clusterdefinition.kubeblocks.io/name: doris
6    annotations: {}
7    name: {{ .Release.Name }}
8    namespace: {{ .Release.Namespace | quote }}
9  spec:
10   affinity:
11     nodeLabels: {}
12     podAntiAffinity: Preferred
13     tenancy: SharedNode
14     topologyKeys: []
15   clusterDefinitionRef: doris
16   clusterVersionRef: doris-2.0.3
17   componentSpecs:
18     - componentDefRef: doris-fe
19       monitor: true
20       name: doris-fe
21       noCreatePDB: false
22       replicas: 3
23       resources:
24         limits: {{- toYaml .Values.componentSpecs.fe.resources | nindent 10 }}
25         requests: {{- toYaml .Values.componentSpecs.fe.resources | nindent 10 }}
26   serviceAccountName: {{ .Release.Name }}-kb-doris-sa
27   volumeClaimTemplates:
28     #- name: metadata
29     # spec:
30     #   storageClassName: {{ .Values.persistence.fe.storageClass }}
31     #   accessModes:
32     #     {{- range .Values.persistence.fe.accessModes }}
33     #       - {{ . | quote }}
34     #     {{- end }}
35     #   resources:
36     #     requests:

```

```

37     #         storage: {{
    .Values.componentSpecs.fe.volumeClaimTemplates.data.size | quote }}
38     - name: data
39       spec:
40         storageClassName: {{ .Values.persistence.fe.storageClass }}
41         accessModes:
42         {{- range .Values.persistence.fe.accessModes }}
43           - {{ . | quote }}
44         {{- end }}
45         resources:
46           requests:
47             storage: {{
    .Values.componentSpecs.fe.volumeClaimTemplates.data.size | quote }}
48         tls: false
49     - componentDefRef: doris-be
50       monitor: true
51       name: doris-be
52       noCreatePDB: false
53       replicas: {{ .Values.componentSpecs.be.replicas }}
54       resources:
55         limits: {{- toYaml .Values.componentSpecs.be.resources | nindent 10 }}
56         requests: {{- toYaml .Values.componentSpecs.be.resources | nindent 10
    }}
57     serviceAccountName: {{ .Release.Name }}-kb-doris-sa
58     volumeClaimTemplates:
59     - name: data
60       spec:
61         storageClassName: {{ .Values.persistence.be.storageClass }}
62         accessModes:
63         {{- range .Values.persistence.be.accessModes }}
64           - {{ . | quote }}
65         {{- end }}
66         resources:
67           requests:
68             storage: {{
    .Values.componentSpecs.be.volumeClaimTemplates.data.size | quote }}
69         tls: false
70     - componentDefRef: doris-cn
71       monitor: true
72       name: doris-cn
73       noCreatePDB: false
74       replicas: {{ .Values.componentSpecs.cn.replicas }}
75       resources:
76         limits: {{- toYaml .Values.componentSpecs.cn.resources | nindent 10 }}
77         requests: {{- toYaml .Values.componentSpecs.cn.resources | nindent 10
    }}
78     serviceAccountName: {{ .Release.Name }}-kb-doris-sa

```

```
79     tls: false
80     terminationPolicy: {{ default "Delete" .Values.terminationPolicy | quote }}
81     tolerations: []
```

10.1.1.3 执行命令

```
1 helm install yq-doris .
```

```
[root@hd1 kb-doris-2.0.0]# helm install yq-doris .
NAME: yq-doris
LAST DEPLOYED: Thu Jan  4 17:01:04 2024
NAMESPACE: default
STATUS: deployed
REVISION: 1
TEST SUITE: None
NOTES:
CHART NAME: kb-doris
CHART VERSION: 2.0.3
APP VERSION: 2.0.3

Kubernetes Doris server cluster definition. If you test on the machine that kubectl is on, you can run the following command to test the Doris service by connecting to the MySQL client:
mysql -uroot -P9030 -hfePodServiceClusterIp

Run the following command to check the FE running status:
show frontends\g;

Run the following command to check the BE running status:
show backends\g;
[root@hd1 kb-doris-2.0.0]#
```

验证如下:

```
[root@hd1 kb-doris-2.0.0]# kubectl get pod -owide |grep doris
yq-doris-doris-be-0          0          6m15s  10.96.226.245  hd2.dev.local  <none>  <none>
yq-doris-doris-be-1          0          6m1s   10.103.159.116  hd3.dev.local  <none>  <none>
yq-doris-doris-be-2          0          5m56s  10.101.106.89   hd1.dev.local  <none>  <none>
yq-doris-doris-cn-0          0          6m14s  10.96.226.195   hd2.dev.local  <none>  <none>
yq-doris-doris-cn-1          0          6m10s  10.101.106.90   hd1.dev.local  <none>  <none>
yq-doris-doris-cn-2          0          6m7s   10.103.159.111  hd3.dev.local  <none>  <none>
yq-doris-doris-fe-0          0          6m14s  10.96.226.242   hd2.dev.local  <none>  <none>
yq-doris-doris-fe-1          0          6m2s   10.101.106.106  hd1.dev.local  <none>  <none>
yq-doris-doris-fe-2          0          5m48s  10.103.159.75   hd3.dev.local  <none>  <none>
[root@hd1 kb-doris-2.0.0]#
```

10.2.2 连接

```
1 kubectl exec -it yq-doris-doris-fe-0 -- /bin/bash
2 mysql -uroot -P9030 -h$KB_POD_IP -p$MYSQL_ROOT_PASSWORD
```

```
[root@hd1 kb-doris-2.0.0]# kubectl exec -it yq-doris-doris-fe-0 -- /bin/bash
Defaulted container "doris-fe" out of: doris-fe, mysql-root-script, config-manager
root@yq-doris-doris-fe-0:/# mysql -uroot -P9030 -h$KB_POD_IP -p$MYSQL_ROOT_PASSWORD
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MySQL connection id is 23
Server version: 5.7.99 Doris version doris-2.0.3-rc06-37d31a5

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MySQL [(none)]>
```

```
1 #查看frontend (fe)
2 show frontends\G
```

```

MySQL [(none)]> show frontends\G
***** 1. row *****
      Name: fe_d35e60df_cd59_4fd2_b014_4575fcdf778f
      Host: yq-doris-doris-fe-2.yq-doris-doris-fe-headless.default.svc.cluster.local
      EditLogPort: 9010
      HttpPort: 8030
      QueryPort: 9030
      RpcPort: 9020
      Role: FOLLOWER
      IsMaster: false
      ClusterId: 1103292554
      Join: true
      Alive: true
      ReplayedJournalId: 201
      LastHeartbeat: 2024-01-04 09:09:21
      IsHelper: true
      ErrMsg:
      Version: doris-2.0.3-rc06-37d31a5
      CurrentConnected: No
***** 2. row *****
      Name: fe_927d1652_8606_4404_adf8_b2b9aa083b98
      Host: yq-doris-doris-fe-0.yq-doris-doris-fe-headless.default.svc.cluster.local
      EditLogPort: 9010
      HttpPort: 8030
      QueryPort: 9030
      RpcPort: 9020
      Role: FOLLOWER
      IsMaster: true
      ClusterId: 1103292554
      Join: true
      Alive: true
      ReplayedJournalId: 202
      LastHeartbeat: 2024-01-04 09:09:21
      IsHelper: true
      ErrMsg:
      Version: doris-2.0.3-rc06-37d31a5
      CurrentConnected: Yes
***** 3. row *****
      Name: fe_5776450f_f468_4dda_b311_072fc2398a19
      Host: yq-doris-doris-fe-1.yq-doris-doris-fe-headless.default.svc.cluster.local
      EditLogPort: 9010
      HttpPort: 8030
      QueryPort: 9030
      RpcPort: 9020
      Role: FOLLOWER
      IsMaster: false
      ClusterId: 1103292554
      Join: true
      Alive: true
      ReplayedJournalId: 201
      LastHeartbeat: 2024-01-04 09:09:21
      IsHelper: true
      ErrMsg:
      Version: doris-2.0.3-rc06-37d31a5
      CurrentConnected: No
3 rows in set (0.021 sec)
MySQL [(none)]>

```

- 1 #查看backend (be) 和computenode (cn)
- 2 show backends\G

```

MySQL [(none)]> show backends\G
***** 1. row *****
BackendId: 10002
Host: yq-doris-doris-be-0.yq-doris-doris-be-headless.default.svc.cluster.local
HeartbeatPort: 9050
BePort: 9060
HttpPort: 8040
BrpcPort: 8060
LastStartTime: 2024-01-04 09:01:38
LastHeartbeat: 2024-01-04 09:10:28
Alive: true
SystemDecommissioned: false
TabletNum: 14
DataUsedCapacity: 0.000
TrashUsedCapacity: 0.000
AvailCapacity: 10.000 GB
TotalCapacity: 10.000 GB
UsedPct: -0.00 %
MaxDiskUsedPct: 0.00 %
RemoteUsedCapacity: 0.000
Tag: {"location" : "default"}
ErrMsg:
Version: doris-2.0.3-rc06-37d31a5
Status: {"lastSuccessReportTabletsTime": "2024-01-04 09:10:16", "lastStreamLoadTime": -1, "isQueryDisabled": false, "isLoadDisabled": false}
HeartbeatFailureCounter: 0
NodeRole: mix
***** 2. row *****
BackendId: 10003
Host: yq-doris-doris-be-1.yq-doris-doris-be-headless.default.svc.cluster.local
HeartbeatPort: 9050
BePort: 9060
HttpPort: 8040
BrpcPort: 8060
LastStartTime: 2024-01-04 09:01:47
LastHeartbeat: 2024-01-04 09:10:28
Alive: true
SystemDecommissioned: false
TabletNum: 14
DataUsedCapacity: 0.000
TrashUsedCapacity: 0.000
AvailCapacity: 10.000 GB
TotalCapacity: 10.000 GB
UsedPct: -0.00 %
MaxDiskUsedPct: 0.00 %
RemoteUsedCapacity: 0.000
Tag: {"location" : "default"}
ErrMsg:
Version: doris-2.0.3-rc06-37d31a5
Status: {"lastSuccessReportTabletsTime": "2024-01-04 09:10:18", "lastStreamLoadTime": -1, "isQueryDisabled": false, "isLoadDisabled": false}
HeartbeatFailureCounter: 0
NodeRole: mix

```

```

***** 3. row *****
BackendId: 10004
Host: yq-doris-doris-be-2.yq-doris-doris-be-headless.default.svc.cluster.local
HeartbeatPort: 9050
BePort: 9060
HttpPort: 8040
BrpcPort: 8060
LastStartTime: 2024-01-04 09:01:52
LastHeartbeat: 2024-01-04 09:10:28
Alive: true
SystemDecommissioned: false
TabletNum: 14
DataUsedCapacity: 0.000
TrashUsedCapacity: 0.000
AvailCapacity: 10.000 GB
TotalCapacity: 10.000 GB
UsedPct: -0.00 %
MaxDiskUsedPct: 0.00 %
RemoteUsedCapacity: 0.000
Tag: {"location" : "default"}
ErrMsg:
Version: doris-2.0.3-rc06-37d31a5
Status: {"lastSuccessReportTabletsTime": "2024-01-04 09:10:18", "lastStreamLoadTime": -1, "isQueryDisabled": false, "isLoadDisabled": false}
HeartbeatFailureCounter: 0
NodeRole: mix
***** 4. row *****
BackendId: 10005
Host: yq-doris-doris-cn-0.yq-doris-doris-cn-headless.default.svc.cluster.local
HeartbeatPort: 9050
BePort: 9060
HttpPort: 8040
BrpcPort: 8060
LastStartTime: 2024-01-04 09:01:25
LastHeartbeat: 2024-01-04 09:10:28
Alive: true
SystemDecommissioned: false
TabletNum: 0
DataUsedCapacity: 0.000
TrashUsedCapacity: 0.000
AvailCapacity: 218.265 GB
TotalCapacity: 444.406 GB
UsedPct: 50.89 %
MaxDiskUsedPct: 50.89 %
RemoteUsedCapacity: 0.000
Tag: {"location" : "default"}
ErrMsg:
Version: doris-2.0.3-rc06-37d31a5
Status: {"lastSuccessReportTabletsTime": "2024-01-04 09:10:20", "lastStreamLoadTime": -1, "isQueryDisabled": false, "isLoadDisabled": false}
HeartbeatFailureCounter: 0
NodeRole: computation

```

```

NodeRole: computation
***** 5. row *****
BackendId: 10006
Host: yq-doris-doris-cn-1.yq-doris-doris-cn-headless.default.svc.cluster.local
HeartbeatPort: 9050
BePort: 9060
HttpPort: 8040
BrpcPort: 8060
LastStartTime: 2024-01-04 09:01:31
LastHeartbeat: 2024-01-04 09:10:28
Alive: true
SystemDecommissioned: false
TabletNum: 0
DataUsedCapacity: 0.000
TrashUsedCapacity: 0.000
AvailCapacity: 177.376 GB
TotalCapacity: 442.407 GB
UsedPct: 59.91 %
MaxDiskUsedPct: 59.91 %
RemoteUsedCapacity: 0.000
Tag: {"location" : "default"}
ErrMsg:
Version: doris-2.0.3-rc06-37d31a5
Status: {"lastSuccessReportTabletsTime":"2024-01-04 09:10:22","lastStreamLoadTime":-1,"isQueryDisabled":false,"isLoadDisabled":false}
HeartbeatFailureCounter: 0
NodeRole: computation
***** 6. row *****
BackendId: 10007
Host: yq-doris-doris-cn-2.yq-doris-doris-cn-headless.default.svc.cluster.local
HeartbeatPort: 9050
BePort: 9060
HttpPort: 8040
BrpcPort: 8060
LastStartTime: 2024-01-04 09:01:36
LastHeartbeat: 2024-01-04 09:10:28
Alive: true
SystemDecommissioned: false
TabletNum: 0
DataUsedCapacity: 0.000
TrashUsedCapacity: 0.000
AvailCapacity: 169.141 GB
TotalCapacity: 444.406 GB
UsedPct: 61.94 %
MaxDiskUsedPct: 61.94 %
RemoteUsedCapacity: 0.000
Tag: {"location" : "default"}
ErrMsg:
Version: doris-2.0.3-rc06-37d31a5
Status: {"lastSuccessReportTabletsTime":"2024-01-04 09:10:19","lastStreamLoadTime":-1,"isQueryDisabled":false,"isLoadDisabled":false}
HeartbeatFailureCounter: 0
NodeRole: computation
6 rows in set (0.007 sec)
MySQL [(none)]> █

```

创建数据库表

```

1 create database test;
2 CREATE TABLE IF NOT EXISTS test.example_tbl
3 (
4     `user_id` LARGEINT NOT NULL COMMENT "用户id",
5     `date` DATE NOT NULL COMMENT "数据灌入日期时间",
6     `city` VARCHAR(20) COMMENT "用户所在城市",
7     `age` SMALLINT COMMENT "用户年龄",
8     `sex` TINYINT COMMENT "用户性别",
9     `last_visit_date` DATETIME REPLACE DEFAULT "1970-01-01 00:00:00" COMMENT "用
    户最后一次访问时间",
10    `cost` BIGINT SUM DEFAULT "0" COMMENT "用户总消费",
11    `max_dwell_time` INT MAX DEFAULT "0" COMMENT "用户最大停留时间",
12    `min_dwell_time` INT MIN DEFAULT "99999" COMMENT "用户最小停留时间"
13 )
14 AGGREGATE KEY(`user_id`, `date`, `city`, `age`, `sex`)
15 DISTRIBUTED BY HASH(`user_id`) BUCKETS 1
16 PROPERTIES (
17     "replication_allocation" = "tag.location.default: 1"
18 );
19

```

```

MySQL [(none)]> create database test;
Query OK, 0 rows affected (0.024 sec)

MySQL [(none)]> CREATE TABLE IF NOT EXISTS test.example_tbl
-> (
->   `user_id` LARGEINT NOT NULL COMMENT "用户id",
->   `date` DATE NOT NULL COMMENT "数据灌入日期时间",
->   `city` VARCHAR(20) COMMENT "用户所在城市",
->   `age` SMALLINT COMMENT "用户年龄",
->   `sex` TINYINT COMMENT "用户性别",
->   `last_visit_date` DATETIME REPLACE DEFAULT "1970-01-01 00:00:00" COMMENT "用户最后一次访问时间",
->   `cost` BIGINT SUM DEFAULT "0" COMMENT "用户总消费",
->   `max_dwell_time` INT MAX DEFAULT "0" COMMENT "用户最大停留时间",
->   `min_dwell_time` INT MIN DEFAULT "99999" COMMENT "用户最小停留时间"
-> )
-> AGGREGATE KEY(`user_id`, `date`, `city`, `age`, `sex`)
-> DISTRIBUTED BY HASH(`user_id`) BUCKETS 1
-> PROPERTIES (
->   "replication_allocation" = "tag.location.default: 1"
-> );
Query OK, 0 rows affected (0.038 sec)

MySQL [(none)]>

```

插入数据

```
1 insert into test.example_tbl values ('10000','2017-10-01','北京','20','0','2017-10-01 06:00:00','20','10','10');
```

```

MySQL [(none)]>
MySQL [(none)]> insert into test.example_tbl values ('10000','2017-10-01','北京','20','0','2017-10-01 06:00:00','20','10','10');
Query OK, 1 row affected (0.159 sec)
{"label": "insert_12c4f4acea41427f_9665f155fe815007", "status": "VISIBLE", "txnId": "33"}
MySQL [(none)]>

```

查询数据

```
1 select * from test.example_tbl;
```

```

MySQL [(none)]> select * from test.example_tbl;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| user_id | date       | city  | age  | sex  | last_visit_date       | cost | max_dwell_time | min_dwell_time |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 10000   | 2017-10-01 | 北京  | 20   | 0    | 2017-10-01 06:00:00  | 20   | 10             | 10             |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (1.351 sec)

```

修改数据

UPDATE 语句目前仅支持 UNIQUE KEY 模型。UPDATE操作目前只支持更新Value列

```

1 CREATE TABLE t1
2 (id INT, c1 BIGINT, c2 STRING, c3 DOUBLE, c4 DATE)
3 UNIQUE KEY (id)
4 DISTRIBUTED BY HASH (id)
5 PROPERTIES('replication_num'='1', "function_column.sequence_col" = "c4");
6
7 INSERT INTO t1 VALUES (1, 1, '1', 1.0, '2000-01-01'), (2, 2, '2', 2.0,
  '2000-01-02'), (3, 3, '3', 3.0, '2000-01-03');

```



```
8 select * from t1;
9 update t1 set c1=6 where id=2;
10 select * from t1;
```

```
MySQL [test]> update t1 set c1=6 where id=2;
Query OK, 1 row affected (0.082 sec)
{'label': 'insert_68b39473592a433e_9363e33f6e8ca255', 'status': 'VISIBLE', 'txnId': '41'}
```

```
MySQL [test]> select * from t1;
+-----+-----+-----+-----+
| id  | c1  | c2  | c3  | c4  |
+-----+-----+-----+-----+
| 2   | 6   | 2   | 2   | 2000-01-02 |
| 3   | 3   | 3   | 3   | 2000-01-03 |
| 1   | 1   | 1   | 1   | 2000-01-01 |
+-----+-----+-----+-----+
3 rows in set (0.069 sec)
```

删除数据

```
1 delete from example_tbl where user_id='10000';
```

```
MySQL [test]> delete from example_tbl where user_id='10000';
Query OK, 0 rows affected (0.066 sec)
{'label': 'delete_ad1716f7-3950-492c-a5e8-685ffe99e6e7', 'status': 'VISIBLE', 'txnId': '42'}
```

```
MySQL [test]> select * from example_tbl;
```

10.2 调节

10.2.1 垂直调节

先检查cluster是否处于running状态,否则会出现问题:

```
[root@hd1 kb-doris-2.0.0]# kubectl get cluster |grep doris
yq-doris    doris                doris-2.0.3    Delete           Running    12m
```

fe 当前cpu memory

```
imagePullPolicy: IfNotPresent
name: doris-fe
ports:
- containerPort: 8030
  name: http-port
  protocol: TCP
- containerPort: 9020
  name: rpc-port
  protocol: TCP
- containerPort: 9030
  name: query-port
  protocol: TCP
- containerPort: 9010
  name: edit-log-port
  protocol: TCP
resources:
  limits:
    cpu: "1"
    memory: 2Gi
  requests:
    cpu: "1"
    memory: 2Gi
securityContext:
```

fe 当前cpu memory

```
imagePullPolicy: IfNotPresent
name: doris-be
ports:
- containerPort: 9060
  name: be-port
  protocol: TCP
- containerPort: 8040
  name: webserver-port
  protocol: TCP
- containerPort: 9050
  name: heartbeat-port
  protocol: TCP
- containerPort: 8060
  name: brpc-port
  protocol: TCP
resources:
  limits:
    cpu: "1"
    memory: 2Gi
  requests:
    cpu: "1"
    memory: 2Gi
securityContext:
```

cn 当前cpu memory

```
imagePullPolicy: IfNotPresent
name: doris-cn
ports:
- containerPort: 9060
  name: be-port
  protocol: TCP
- containerPort: 8040
  name: webserver-port
  protocol: TCP
- containerPort: 9050
  name: heartbeat-port
  protocol: TCP
- containerPort: 8060
  name: brpc-port
  protocol: TCP
resources:
  limits:
    cpu: "1"
    memory: 2Gi
  requests:
    cpu: "1"
    memory: 2Gi
securityContext:
```

执行如下ops部署doris-ops-vertical-scaling.yaml文件:

```
1 apiVersion: apps.kubeblocks.io/v1alpha1
2 kind: OpsRequest
3 metadata:
4   name: doris-ops-vertical-scaling
5 spec:
6   clusterRef: yq-doris
7   type: VerticalScaling
8   verticalScaling:
9     - componentName: doris-fe
10     requests:
11       memory: "3Gi"
12       cpu: "2000m"
13     limits:
14       memory: "3Gi"
15       cpu: "2000m"
16     - componentName: doris-be
17     requests:
18       memory: "3Gi"
19       cpu: "2000m"
20     limits:
21       memory: "3Gi"
22       cpu: "2000m"
23     - componentName: doris-cn
24     requests:
25       memory: "3Gi"
26       cpu: "2000m"
27     limits:
28       memory: "3Gi"
```

执行如下部署文件:

```
1 kubectl apply -f doris-ops-vertical-scaling.yaml
```

观察po的启动如下:

```
[root@hd1 redisdir]# kubectl get pod |grep doris
yq-doris-doris-be-0          1/1      Running   0          22s
yq-doris-doris-be-1          1/1      Running   0          61s
yq-doris-doris-be-2          1/1      Running   0         108s
yq-doris-doris-cn-0          1/1      Running   0          40s
yq-doris-doris-cn-1          1/1      Running   0          72s
yq-doris-doris-cn-2          1/1      Running   0         108s
yq-doris-doris-fe-0          3/3      Running   0          30s
yq-doris-doris-fe-1          3/3      Running   0          66s
yq-doris-doris-fe-2          3/3      Running   0         111s
[root@hd1 redisdir]#
```

ops完成:

```
[root@hd1 redisdir]# kubectl get ops
NAME                                TYPE                CLUSTER   STATUS    PROGRESS  AGE
doris-ops-vertical-scaling          VerticalScaling     yq-doris  Succeed  9/9       2m14s
[root@hd1 redisdir]# kubectl get pod |grep doris
```

cdfm的pod是成功的,结果如下:

fe 的现在的cpu memory

```
name: doris-fe
ports:
- containerPort: 8030
  name: http-port
  protocol: TCP
- containerPort: 9020
  name: rpc-port
  protocol: TCP
- containerPort: 9030
  name: query-port
  protocol: TCP
- containerPort: 9010
  name: edit-log-port
  protocol: TCP
resources:
  limits:
    cpu: "2"
    memory: 3Gi
  requests:
    cpu: "2"
    memory: 3Gi
securityContext:
  allowPrivilegeEscalation: false
  runAsUser: 0
terminationMessagePath: /dev/termination-log
```

be 的现在的cpu memory

```
name: doris-be
ports:
- containerPort: 9060
  name: be-port
  protocol: TCP
- containerPort: 8040
  name: webserver-port
  protocol: TCP
- containerPort: 9050
  name: heartbeat-port
  protocol: TCP
- containerPort: 8060
  name: brpc-port
  protocol: TCP
resources:
  limits:
    cpu: "2"
    memory: 3Gi
  requests:
    cpu: "2"
    memory: 3Gi
securityContext:
  allowPrivilegeEscalation: false
  runAsUser: 0
terminationMessagePath: /dev/termination-log
```

cn 的现在的cpu memory

```
ImagePullPolicy: IfNotPresent
name: doris-cn
ports:
- containerPort: 9060
  name: be-port
  protocol: TCP
- containerPort: 8040
  name: webserver-port
  protocol: TCP
- containerPort: 9050
  name: heartbeat-port
  protocol: TCP
- containerPort: 8060
  name: brpc-port
  protocol: TCP
resources:
  limits:
    cpu: "2"
    memory: 3Gi
  requests:
    cpu: "2"
    memory: 3Gi
securityContext:
```

检查数据:

之前先创建数据的，数据并没有丢失::

```
1 kubectl exec -it yq-doris-doris-fe-0 bash
2 mysql -uroot -P9030 -h$KB_POD_IP -p$MYSQL_ROOT_PASSWORD
3 select * from test.example_tbl;
```

```
[root@hd1 redisdir]# kubectl exec -it yq-doris-doris-fe-0 bash
kubectl exec [POD] [COMMAND] is DEPRECATED and will be removed in a future version. Use kubectl exec [POD] -- [COMMAND] instead.
Defaulted container "doris-fe" out of: doris-fe, mysql-root-script, config-manager
root@yq-doris-doris-fe-0:/# mysql -uroot -P9030 -h$KB_POD_IP -p$MYSQL_ROOT_PASSWORD
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.7.99 Doris version doris-2.0.3-rc06-37d31a5

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MySQL [(none)]> select * from test.example_tbl;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| user_id | date       | city | age | sex | last_visit_date | cost | max_dwell_time | min_dwell_time |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 10000   | 2017-10-01 | 北京 | 20  | 0   | 2017-10-01 06:00:00 | 20   | 10              | 10              |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.098 sec)

MySQL [(none)]> █
```

10.2.2 水平调节

先检查cluster是否处于running状态,否则会出现问题:

```
[root@hd1 redisdir]# kubectl get cluster |grep doris
yq-doris doris doris-2.0.3 Delete Running 30m
yq-doris doris doris-2.0.3 Delete Running 30m
```

然后写一个ops的yaml文件doris-ops-horizontal-scaling-expansion.yaml,进行水平扩展:

```
1 apiVersion: apps.kubeblocks.io/v1alpha1
2 kind: OpsRequest
3 metadata:
4   name: doris-ops-horizontal-scaling-expansion
5 spec:
6   clusterRef: yq-doris
7   type: HorizontalScaling
8   horizontalScaling:
9     - componentName: doris-be
10     replicas: 5
11     - componentName: doris-cn
12     replicas: 6
```

观察ops执行情况

```
NAME                                TYPE                CLUSTER    STATUS    PROGRESS    AGE
doris-ops-horizontal-scaling-expansion HorizontalScaling    yq-doris   Succeed   4/4         13s
doris-ops-vertical-scaling          VerticalScaling      yq-doris   Succeed   9/9         12m
[root@hd1 redisdir]# █
```

查看cluster运行状态

```
[root@hd1 redisdir]# kubectl get cluster |grep doris
yq-doris doris doris-2.0.3 Delete Running 33m
[root@hd1 redisdir]# █
```

查看be、cn pod 是否扩容

```
[root@hd1 redisdir]# kubectl get pod |grep doris
yq-doris-doris-be-0          1/1      Running    0          11m
yq-doris-doris-be-1          1/1      Running    0          12m
yq-doris-doris-be-2          1/1      Running    0          12m
yq-doris-doris-be-3          1/1      Running    0          100s
yq-doris-doris-be-4          1/1      Running    0          94s
yq-doris-doris-cn-0          1/1      Running    0          11m
yq-doris-doris-cn-1          1/1      Running    0          12m
yq-doris-doris-cn-2          1/1      Running    0          12m
yq-doris-doris-cn-3          1/1      Running    0          102s
yq-doris-doris-cn-4          1/1      Running    0          100s
yq-doris-doris-fe-0          3/3      Running    0          11m
yq-doris-doris-fe-1          3/3      Running    0          12m
yq-doris-doris-fe-2          3/3      Running    0          12m
[root@hd1 redisdir]#
```

再检测数据:

```
1 kubectl exec -it yq-doris-doris-fe-0 bash
2 mysql -uroot -P9030 -h${KB_POD_IP} -p${MYSQL_ROOT_PASSWORD}
3 select * from test.example_tbl;
```

```
MySQL [(none)]> select * from test.t1;
+----+-----+-----+-----+-----+
| id  | c1   | c2   | c3   | c4   |
+----+-----+-----+-----+-----+
| 3   | 3    | 3    | 3    | 2000-01-03 |
| 2   | 6    | 2    | 2    | 2000-01-02 |
| 1   | 1    | 1    | 1    | 2000-01-01 |
+----+-----+-----+-----+-----+
3 rows in set (0.078 sec)
```

由5缩成3也可行:

写一个ops,进行水平扩容:

```
1 apiVersion: apps.kubeblocks.io/v1alpha1
2 kind: OpsRequest
3 metadata:
4   name: doris-ops-horizontal-scaling-expansion2
5 spec:
6   clusterRef: yq-doris
7   type: HorizontalScaling
8   horizontalScaling:
9     - componentName: doris-cn
10     replicas: 3
```

```
[root@hd4 kubeblocks]# kubectl get ops
NAME                                TYPE                CLUSTER    STATUS    PROGRESS    AGE
doris-ops-horizontal-scaling-expansion1 HorizontalScaling    yq-doris  Succeed  2/2         75m
doris-ops-horizontal-scaling-expansion2 HorizontalScaling    yq-doris  Running  2/2         53s
[root@hd4 kubeblocks]# kubectl get ops
NAME                                TYPE                CLUSTER    STATUS    PROGRESS    AGE
doris-ops-horizontal-scaling-expansion1 HorizontalScaling    yq-doris  Succeed  2/2         75m
doris-ops-horizontal-scaling-expansion2 HorizontalScaling    yq-doris  Running  2/2         54s
[root@hd4 kubeblocks]# kubectl get ops
NAME                                TYPE                CLUSTER    STATUS    PROGRESS    AGE
doris-ops-horizontal-scaling-expansion1 HorizontalScaling    yq-doris  Succeed  2/2         76m
doris-ops-horizontal-scaling-expansion2 HorizontalScaling    yq-doris  Succeed  2/2         72s
[root@hd4 kubeblocks]# kubectl get cluster |grep doris
yq-doris  doris  doris-2.0.3  Delete  Running  112m
[root@hd4 kubeblocks]# kubectl get pod |grep doris |grep cn
yq-doris-doris-cn-0  1/1  Running  0  112m
yq-doris-doris-cn-1  1/1  Running  0  112m
yq-doris-doris-cn-2  1/1  Running  0  105m
[root@hd4 kubeblocks]#
```

再检测数据:

- 1 `kubectl exec -it yq-doris-doris-fe-0 bash`
- 2 `mysql -uroot -P9030 -h$KB_POD_IP -p$MYSQL_ROOT_PASSWORD`
- 3 `select * from test.example_tbl;`

```
MySQL [(none)]> select * from test.t1;
+----+-----+-----+-----+-----+
| id  | c1   | c2   | c3   | c4   |
+----+-----+-----+-----+-----+
| 3   | 3    | 3    | 3    | 2000-01-03 |
| 2   | 6    | 2    | 2    | 2000-01-02 |
| 1   | 1    | 1    | 1    | 2000-01-01 |
+----+-----+-----+-----+-----+
3 rows in set (0.078 sec)
```

10.3 扩展卷

创建OpsRequest的doris-ops-volume-expansion.yaml部署文件如下:

```
1 apiVersion: apps.kubeblocks.io/v1alpha1
2 kind: OpsRequest
3 metadata:
4   name: doris-ops-volume-expansion
5 spec:
6   clusterRef: yq-doris
7   type: VolumeExpansion
8   volumeExpansion:
9     - componentName: doris-be
10     volumeClaimTemplates:
11       - name: data
12         storage: "12Gi"
13     - componentName: doris-fe
14     volumeClaimTemplates:
15       - name: data
16         storage: "12Gi"
```


检查之前的pvc存储大小

```
[root@hd1 redisdir]# kubectl get pvc |grep doris
data-yq-doris-doris-be-0          Bound          pvc-c91283b7-5209-45f8-9ffc-29169faa098d 10Gi      RWO          rook-cephfs 70m
data-yq-doris-doris-be-1          Bound          pvc-26502658-37d4-4543-aaf7-82fbedb053cc 10Gi      RWO          rook-cephfs 70m
data-yq-doris-doris-be-2          Bound          pvc-0cf13021-47b9-447b-818f-799049e41901 10Gi      RWO          rook-cephfs 70m
data-yq-doris-doris-be-3          Bound          pvc-dafc260d-3bc4-44c9-bed0-45ad0fde2c2c 10Gi      RWO          rook-cephfs 37m
data-yq-doris-doris-be-4          Bound          pvc-d4649b5a-8537-43f6-a375-25c0e26929b9 10Gi      RWO          rook-cephfs 37m
data-yq-doris-doris-fe-0          Bound          pvc-a6e39e53-38a9-45dd-b963-a55ddf4f4833 10Gi      RWO          rook-cephfs 70m
data-yq-doris-doris-fe-1          Bound          pvc-24028fa4-4cb1-4165-b32c-9932b6fb08e4 10Gi      RWO          rook-cephfs 70m
data-yq-doris-doris-fe-2          Bound          pvc-0b6b1760-22b2-41b0-abb5-487822f89fc2 10Gi      RWO          rook-cephfs 70m
[root@hd1 redisdir]#
```

执行该ops文件

```
1 kubectl apply -f doris-ops-volume-expansion.yaml
```

查看ops运行情况:

```
[root@hd1 redisdir]# kubectl get ops
NAME                                TYPE                CLUSTER   STATUS   PROGRESS   AGE
doris-ops-horizontal-scaling-expansion HorizontalScaling    yq-doris  Succeed 4/4       41m
doris-ops-vertical-scaling          VerticalScaling     yq-doris  Succeed 9/9       53m
doris-ops-volume-expansion          VolumeExpansion     yq-doris  Succeed 8/8       2m27s
```

然后再检查pvc是否变成12g:

```
[root@hd1 redisdir]# kubectl get pvc |grep doris
data-yq-doris-doris-be-0          Bound          pvc-c91283b7-5209-45f8-9ffc-29169faa098d 12Gi      RWO          rook-cephfs 73m
data-yq-doris-doris-be-1          Bound          pvc-26502658-37d4-4543-aaf7-82fbedb053cc 12Gi      RWO          rook-cephfs 73m
data-yq-doris-doris-be-2          Bound          pvc-0cf13021-47b9-447b-818f-799049e41901 12Gi      RWO          rook-cephfs 73m
data-yq-doris-doris-be-3          Bound          pvc-dafc260d-3bc4-44c9-bed0-45ad0fde2c2c 12Gi      RWO          rook-cephfs 40m
data-yq-doris-doris-be-4          Bound          pvc-d4649b5a-8537-43f6-a375-25c0e26929b9 12Gi      RWO          rook-cephfs 40m
data-yq-doris-doris-fe-0          Bound          pvc-a6e39e53-38a9-45dd-b963-a55ddf4f4833 12Gi      RWO          rook-cephfs 73m
data-yq-doris-doris-fe-1          Bound          pvc-24028fa4-4cb1-4165-b32c-9932b6fb08e4 12Gi      RWO          rook-cephfs 73m
data-yq-doris-doris-fe-2          Bound          pvc-0b6b1760-22b2-41b0-abb5-487822f89fc2 12Gi      RWO          rook-cephfs 73m
[root@hd1 redisdir]# kubectl apply -f doris-ops-volume-expansion.yaml
```

数据也没有丢失

```
Defaulted container "doris-fe" out of: doris-fe, mysql-root-script, config-manager
root@yq-doris-doris-fe-0:/# mysql -uroot -P9030 -h$KB_POD_IP -p$MYSQL_ROOT_PASSWORD
ERROR 1045 (28000): Access denied for user 'root@10.96.226.198' (using password: YES)
root@yq-doris-doris-fe-0:/# mysql -uroot -P9030 -h$KB_POD_IP
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MySQL connection id is 15
Server version: 5.7.99 Doris version doris-2.0.3-rc06-37d31a5

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MySQL [(none)]> SET PASSWORD FOR 'root' = PASSWORD('');
Query OK, 0 rows affected (0.007 sec)

MySQL [(none)]>
MySQL [(none)]> select * from test.example_tbl;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| user_id | date       | city  | age | sex | last_visit_date | cost | max_dwell_time | min_dwell_time |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 10000   | 2017-10-01 | 北京 | 20  | 0   | 2017-10-01 06:00:00 | 20   | 10              | 10              |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.053 sec)

MySQL [(none)]>
```

10.4 重启

创建重启的yaml文件如下:

doris-ops-restart.yaml

```

1 apiVersion: apps.kubeblocks.io/v1alpha1
2 kind: OpsRequest
3 metadata:
4   name: doris-ops-restart
5 spec:
6   clusterRef: yq-doris
7   type: Restart
8   restart:
9     - componentName: doris-fe
10    - componentName: doris-be
11    - componentName: doris-cn

```

```

[root@hd1 redisdir]# vim doris-ops-restart.yaml
[root@hd1 redisdir]# kubectl apply -f doris-ops-restart.yaml
opsrequest.apps.kubeblocks.io/doris-ops-restart created
[root@hd1 redisdir]# kubectl get ops
NAME                                TYPE                CLUSTER   STATUS   PROGRESS   AGE
doris-ops-horizontal-scaling-expansion HorizontalScaling   yq-doris Succeed 4/4        52m
doris-ops-restart                   Restart             yq-doris Succeed 13/13     6m55s
doris-ops-vertical-scaling           VerticalScaling    yq-doris Succeed 9/9        64m
doris-ops-volume-expansion           VolumeExpansion    yq-doris Succeed 8/8        13m
[root@hd1 redisdir]# kubectl get ops |grep restart
doris-ops-restart                   Restart             yq-doris Succeed 13/13     7m15s
[root@hd1 redisdir]# kubectl get pod |grep doris
yq-doris-doris-be-0                 1/1      Running    0          4m4s
yq-doris-doris-be-1                 1/1      Running    0          4m44s
yq-doris-doris-be-2                 1/1      Running    0          5m29s
yq-doris-doris-be-3                 1/1      Running    0          6m5s
yq-doris-doris-be-4                 1/1      Running    0          6m43s
yq-doris-doris-cn-0                 1/1      Running    0          4m34s
yq-doris-doris-cn-1                 1/1      Running    0          5m6s
yq-doris-doris-cn-2                 1/1      Running    0          5m41s
yq-doris-doris-cn-3                 1/1      Running    0          6m16s
yq-doris-doris-cn-4                 1/1      Running    0          6m52s
yq-doris-doris-fe-0                 3/3      Running    0          5m39s
yq-doris-doris-fe-1                 3/3      Running    0          6m17s
yq-doris-doris-fe-2                 3/3      Running    0          6m54s
[root@hd1 redisdir]# kubectl get cluster |grep doris
yq-doris doris doris-2.0.3 Delete Running 86m
[root@hd1 redisdir]#

```

检查数据是否丢失:

```
1 select * from test.example_tbl;
```

```

NodeRole: computation
10 rows in set (0.016 sec)

MySQL [(none)]>
MySQL [(none)]> select * from demo.t1;
ERROR 1049 (42000): errCode = 2, detailMessage = Unknown database 'default_cluster:demo'
MySQL [(none)]> select * from test.example_tbl;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| user_id | date       | city | age | sex | last_visit_date | cost | max_dwell_time | min_dwell_time |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 10000   | 2017-10-01 | 北京 | 20  | 0   | 2017-10-01 06:00:00 | 20   | 10              | 10              |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (3.538 sec)

MySQL [(none)]>

```

10.5 停止/启动

停止的ops的yaml文件doris-ops-stop.yaml如下:

```
1 apiVersion: apps.kubeblocks.io/v1alpha1
2 kind: OpsRequest
3 metadata:
4   name: doris-ops-stop
5   generateName: stop-
6 spec:
7   clusterRef: yq-doris
8   type: Stop
```

执行观察如下命令:

```
root@hd1 redisdir]# kubectl get ops |grep stop
doris-ops-stop          Stop          yq-doris   Succeed   13/13      4m1s
root@hd1 redisdir]# kubectl get pod |grep doris
root@hd1 redisdir]# kubectl get sts |grep doris
yq-doris-doris-be      0/0         96m
yq-doris-doris-cn      0/0         96m
yq-doris-doris-fe      0/0         96m
root@hd1 redisdir]#
```

启动的ops的yaml文件doris-ops-start.yaml如下:

```
1 apiVersion: apps.kubeblocks.io/v1alpha1
2 kind: OpsRequest
3 metadata:
4   name: doris-ops-start
5   generateName: start-
6 spec:
7   clusterRef: yq-doris
8   type: Start
```

```
opsrequest.apps.kubeblocks.io/doris-ops-start created
[root@hd1 redisdir]# kubectl get ops |grep stop
doris-ops-stop          Stop          yq-doris    Succeed   13/13      6m24s
[root@hd1 redisdir]# kubectl get ops |grep start
doris-ops-restart      Restart      yq-doris    Succeed   13/13      20m
doris-ops-start        Start       yq-doris    Running   1/13       12s
[root@hd1 redisdir]# kubectl get ops |grep start
doris-ops-restart      Restart      yq-doris    Succeed   13/13      20m
doris-ops-start        Start       yq-doris    Running   5/13       21s
[root@hd1 redisdir]# kubectl get ops |grep start
doris-ops-restart      Restart      yq-doris    Succeed   13/13      21m
doris-ops-start        Start       yq-doris    Succeed   13/13      90s
[root@hd1 redisdir]# kubectl get ops |grep start
doris-ops-restart      Restart      yq-doris    Succeed   13/13      21m
doris-ops-start        Start       yq-doris    Succeed   13/13      91s
[root@hd1 redisdir]# kubectl get sts |grep doris
yq-doris-doris-be      5/5        100m
yq-doris-doris-cn      5/5        100m
yq-doris-doris-fe      3/3        100m
[root@hd1 redisdir]# kubectl get pod |grep doris
yq-doris-doris-be-0    1/1        Running    0          106s
yq-doris-doris-be-1    1/1        Running    0          95s
yq-doris-doris-be-2    1/1        Running    0          71s
yq-doris-doris-be-3    1/1        Running    0          58s
yq-doris-doris-be-4    1/1        Running    0          48s
yq-doris-doris-cn-0    1/1        Running    0          106s
yq-doris-doris-cn-1    1/1        Running    0          99s
yq-doris-doris-cn-2    1/1        Running    0          96s
yq-doris-doris-cn-3    1/1        Running    0          93s
yq-doris-doris-cn-4    1/1        Running    0          89s
yq-doris-doris-fe-0    3/3        Running    0          106s
yq-doris-doris-fe-1    3/3        Running    0          95s
yq-doris-doris-fe-2    3/3        Running    0          73s
[root@hd1 redisdir]#
```

再检查下数据是否丢失:

```
1 select * from test.example_tbl;
```

```
[root@hd1 redisdir]# kubectl exec -it yq-doris-doris-fe-0 bash
kubectl exec [POD] [COMMAND] is DEPRECATED and will be removed in a future version. Use kubectl exec [POD] -- [COMMAND] instead.
Defaulted container "doris-fe" out of: doris-fe, mysql-root-script, config-manager
root@yq-doris-doris-fe-0:/# mysql -uroot -P9030 -h$KB_POD_IP -p$MYSQL_ROOT_PASSWORD
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.7.99 Doris version doris-2.0.3-rc06-37d31a5

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MySQL [(none)]> select * from test.example_tbl;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| user_id | date       | city | age | sex | last_visit_date | cost | max_dwell_time | min_dwell_time |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 10000   | 2017-10-01 | 北京 | 20  | 0   | 2017-10-01 06:00:00 | 20   | 10              | 10              |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (3.950 sec)

MySQL [(none)]>
```

10.6 配置管理

```
1 kbcli cluster describe-config yq-doris
```

```
[root@hd1 ~]# kbcli cluster describe-config yq-doris
component: doris-fe

ConfigSpecs Meta:
CONFIG-SPEC-NAME      FILE      ENABLED  TEMPLATE      CONSTRAINT      RENDERED      COMPONENT      CLUSTER
doris-fe-conf-configuration  fe.conf  true     doris-fe-conf  doris-fe-config-constraints  yq-doris-doris-fe-doris-fe-conf-configuration  doris-fe      yq-doris
doris-fe-root-script      mysql_root.sh  false   doris-fe-root-script

History modifications:
OPS-NAME  CLUSTER  COMPONENT  CONFIG-SPEC-NAME  FILE  STATUS  POLICY  PROGRESS  CREATED-TIME  VALID-UPDATED
component: doris-be

ConfigSpecs Meta:
CONFIG-SPEC-NAME      FILE      ENABLED  TEMPLATE      CONSTRAINT      RENDERED      COMPONENT      CLUSTER
doris-be-conf-configuration  be.conf  true     doris-be-conf  doris-be-config-constraints  yq-doris-doris-be-doris-be-conf-configuration  doris-be      yq-doris
doris-be-entrypoint-script  entry_point.sh  false   doris-be-entrypoint

History modifications:
OPS-NAME  CLUSTER  COMPONENT  CONFIG-SPEC-NAME  FILE  STATUS  POLICY  PROGRESS  CREATED-TIME  VALID-UPDATED
component: doris-cn

ConfigSpecs Meta:
CONFIG-SPEC-NAME      FILE      ENABLED  TEMPLATE      CONSTRAINT      RENDERED      COMPONENT      CLUSTER
doris-cn-conf-configuration  be.conf  true     doris-cn-conf  doris-cn-config-constraints  yq-doris-doris-cn-doris-cn-conf-configuration  doris-cn      yq-doris
doris-cn-entrypoint-script  entry_point.sh  false   doris-cn-entrypoint

History modifications:
OPS-NAME  CLUSTER  COMPONENT  CONFIG-SPEC-NAME  FILE  STATUS  POLICY  PROGRESS  CREATED-TIME  VALID-UPDATED
[root@hd1 ~]# ^C
```

10.6.1修改fe 的配置项

```
1 kbcli cluster edit-config yq-doris --component=doris-fe
```

```
priority_networks = 10.0.0.0/8
enable_deploy_manager = k8s
enable_fqdn_mode = true
LOG_DIR = ${DORIS_HOME}/log
sys_log_level = INFO
http_port = 8030
rpc_port = 9020
query_port = 9030
edit_log_port = 9010
custom_config_dir = /opt/apache-doris/
drop_backend_after_decommission = false
min_load_timeout_second = 2
```

```
[root@hd1 ~]# kbcli cluster edit-config yq-doris --component=doris-fe
-- Original
+++ Current
@@ -10,3 +10,5 @@
 custom_config_dir = /opt/apache-doris/
 drop_backend_after_decommission = false
+min_load_timeout_second = 2
+
[controller-runtime] log.SetLogger(...) was never called, logs will not be displayed:
goroutine 1 [running]:
runtime/debug.Stack()
    /opt/hostedtoolcache/go/1.21.3/x64/src/runtime/debug/stack.go:24 +0x5e
sigs.k8s.io/controller-runtime/pkg/log.EventuallyFulfillRoot()
    /home/runner/go/pkg/mod/sigs.k8s.io/controller-runtime@v0.15.2/pkg/log/log.go:59 +0xcd
sigs.k8s.io/controller-runtime/pkg/log.(*delegatingLogSink).WithValues(0xc000849000, {0x0, 0x0, 0x0})
    /home/runner/go/pkg/mod/sigs.k8s.io/controller-runtime@v0.15.2/pkg/log/deleg.go:168 +0x49
github.com/go-logr/logr.Logger.WithValues(...)
    /home/runner/go/pkg/mod/github.com/go-logr/logr@v1.2.4/logr.go:323
sigs.k8s.io/controller-runtime/pkg/log.FromContext({0x43987e0?, 0x646bdc0?}, {0x0?, 0x0?, 0x0?})
    /home/runner/go/pkg/mod/sigs.k8s.io/controller-runtime@v0.15.2/pkg/log/log.go:89 +0xf7
github.com/apecloud/kubeblocks/pkg/configuration/core.CreateConfigPatch(0xc001a286f0, 0xc001a28720, {0xc001a91e70, 0xa}, {0x0?, 0xc0002d05a0?, 0x3953788?}, 0x12?)
    /home/runner/work/kubeblocks/kubeblocks/pkg/configuration/core/config_patch_util.go:48 +0x1a8
github.com/apecloud/kubeblocks/pkg/cli/cmd/cluster.(*editConfigOptions).RunWithConfigConstraints(0xc0014c1ec0, 0xc00166ba88, 0xc001507c88, 0xc00166bc58)
    /home/runner/work/kubeblocks/kubeblocks/pkg/cli/cmd/cluster/config_edit.go:130 +0x205
github.com/apecloud/kubeblocks/pkg/cli/cmd/cluster.(*editConfigOptions).Run(0xc0014c1ec0, 0xc00199fc58)
    /home/runner/work/kubeblocks/kubeblocks/pkg/cli/cmd/cluster/config_edit.go:94 +0x3cb
github.com/apecloud/kubeblocks/pkg/cli/cmd/cluster.NewEditConfigCmd.func1(0xc001597800?, {0xc001563480?, 0x1?, 0x2?})
    /home/runner/work/kubeblocks/kubeblocks/pkg/cli/cmd/cluster/config_edit.go:243 +0xa7
github.com/spf13/cobra.(*Command).execute(0xc0015b6300, {0xc001563460, 0x2, 0x2})
    /home/runner/go/pkg/mod/github.com/spf13/cobra@v1.7.0/command.go:944 +0x863
github.com/spf13/cobra.(*Command).ExecuteC(0xc001164300)
    /home/runner/go/pkg/mod/github.com/spf13/cobra@v1.7.0/command.go:1068 +0x3a5
github.com/spf13/cobra.(*Command).Execute(...)
    /home/runner/go/pkg/mod/github.com/spf13/cobra@v1.7.0/command.go:992
k8s.io/component-base/cli.run(0xc001164300)
    /home/runner/go/pkg/mod/k8s.io/component-base@v0.28.2/cli/run.go:146 +0x2c5
k8s.io/component-base/cli.RunNoErrOutput(...)
    /home/runner/go/pkg/mod/k8s.io/component-base@v0.28.2/cli/run.go:84
main.main()
    /home/runner/work/kubeblocks/kubeblocks/cmd/cli/main.go:31 +0x18
Config patch(updated parameters):
{"min_load_timeout_second": "2"}

Warning: The parameter change incurs a cluster restart, which brings the cluster down for a while. Enter to continue...
Please type [Yes/No] to confirm: yes
OpsRequest yq-doris-reconfiguring-9k9f5 created successfully, you can view the progress:
kbcli cluster describe-ops yq-doris-reconfiguring-9k9f5 -n default
```

```

kubctl (cluster desc) (de-ops yq-doris-reconfiguring-9k9f5 -n default)
[root@hd1 ~]# kubectl cluster describe-ops yq-doris-reconfiguring-9k9f5 -n default
Spec:
  Name: yq-doris-reconfiguring-9k9f5      Namespace: default      Cluster: yq-doris      Type: Reconfiguring
Command:
  kubectl cluster configure yq-doris --components=doris-fe --config-spec=doris-fe-conf-configuration --config-file=fe.conf --set min_load_timeout_second=2 --namespace=default
Status:
  Start Time:      Jan 05, 2024 09:49 UTC+0800
  Duration:        11s
  Status:          Running
  Progress:        -/-
Conditions:
LAST-TRANSITION-TIME      TYPE      REASON      STATUS      MESSAGE
Jan 05, 2024 09:49 UTC+0800  Progressing  OpsRequestProgressingStarted  True      Start to process the OpsRequest: yq-doris-reconfiguring-9k9f5 in Cluster: yq-doris
Jan 05, 2024 09:49 UTC+0800  Validated   ValidateOpsRequestPassed       True      OpsRequest: yq-doris-reconfiguring-9k9f5 is validated
Jan 05, 2024 09:49 UTC+0800  Reconfigure  ReconfigureStarted              True      Start to reconfigure in Cluster: yq-doris, Component: doris-fe
Jan 05, 2024 09:49 UTC+0800  ReconfigurePersisted  ReconfigurePersisted           True      Reconfiguring in Cluster: yq-doris, Component: doris-fe, ConfigSpec: doris-fe-conf-configuration
Jan 05, 2024 09:49 UTC+0800  ReconfigureRunning  ReconfigureRunning              True      Reconfiguring in Cluster: yq-doris, Component: doris-fe, ConfigSpec: doris-fe-conf-configuration

Warning Events: <none>
[root@hd1 ~]# kubectl get pod |grep doris
yq-doris-doris-be-0      1/1      Running    0      15h
yq-doris-doris-be-1      1/1      Running    0      15h
yq-doris-doris-be-2      1/1      Running    0      15h
yq-doris-doris-be-3      1/1      Running    0      15h
yq-doris-doris-be-4      1/1      Running    0      15h
yq-doris-doris-cn-0      1/1      Running    0      15h
yq-doris-doris-cn-1      1/1      Running    0      15h
yq-doris-doris-cn-2      1/1      Running    0      15h
yq-doris-doris-cn-3      1/1      Running    0      15h
yq-doris-doris-cn-4      1/1      Running    0      15h
yq-doris-doris-fe-0      3/3      Running    0      15h
yq-doris-doris-fe-1      3/3      Running    0      15h
yq-doris-doris-fe-2      3/3      Terminating  0      15h
[root@hd1 ~]# kubectl get pod |grep doris
yq-doris-doris-be-0      1/1      Running    0      15h
yq-doris-doris-be-1      1/1      Running    0      15h
yq-doris-doris-be-2      1/1      Running    0      15h
yq-doris-doris-be-3      1/1      Running    0      15h
yq-doris-doris-be-4      1/1      Running    0      15h
yq-doris-doris-cn-0      1/1      Running    0      15h
yq-doris-doris-cn-1      1/1      Running    0      15h
yq-doris-doris-cn-2      1/1      Running    0      15h
yq-doris-doris-cn-3      1/1      Running    0      15h
yq-doris-doris-cn-4      1/1      Running    0      15h
yq-doris-doris-fe-0      3/3      Running    0      5m32s
yq-doris-doris-fe-1      3/3      Running    0      6m15s
yq-doris-doris-fe-2      3/3      Running    0      7m11s

```

- 1 kubectl exec -it yq-doris-doris-fe-0 bash
- 2 mysql -uroot -P9030 -h\$KB_POD_IP -p\$MYSQL_ROOT_PASSWORD
- 3 admin show frontend config like '%min_load_timeout_second%';

```

MySQL [(none)]> admin show frontend config like '%min_load_timeout_second%';
+-----+-----+-----+-----+-----+-----+
| Key          | Value | Type | IsMutable | MasterOnly | Comment |
+-----+-----+-----+-----+-----+-----+
| min_load_timeout_second | 2     | int  | true      | true       |         |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.029 sec)

```

查看数据

- 1 select * from test.example_tbl;

```

MySQL [(none)]> select * from test.example_tbl;
+-----+-----+-----+-----+-----+-----+-----+-----+
| user_id | date       | city | age | sex | last_visit_date | cost | max_dwell_time | min_dwell_time |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 10000   | 2017-10-01 | 北京 | 20  | 0   | 2017-10-01 06:00:00 | 20   | 10              | 10              |
+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (3.873 sec)

MySQL [(none)]>

```

10.6.2修改be的配置项

```
1 kbcli cluster edit-config yq-doris --component=doris-be
```

```
PPROF_TMPDIR="$DORIS_HOME/log/"
sys_log_level = INFO
be_port = 9060
webserver_port = 8040
heartbeat_service_port = 9050
brpc_port = 8060
priority_networks = 10.96.0.0/12

min_load_rpc_timeout_ms = 30
```

```
[root@hd1 ~]# kbcli cluster edit-config yq-doris --component=doris-be
--- Original
+++ Current
@@ -6,3 +6,5 @@
 brpc_port = 8060
 priority_networks = 10.96.0.0/12
+min_load_rpc_timeout_ms = 30
+
[controller-runtime] log.SetLogger(...) was never called, logs will not be displayed:
goroutine 1 [running]:
runtime/debug.Stack()
/opt/hostedtoolcache/go/1.21.3/x64/src/runtime/debug/stack.go:24 +0x5e
sigs.k8s.io/controller-runtime/pkg/log.FromContext({0x43987e0?, 0x646bdc0?}, {0x0?, 0x0?, 0x0?})
/home/runner/go/pkg/mod/sigs.k8s.io/controller-runtime@v0.15.2/pkg/log/log.go:59 +0xcd
sigs.k8s.io/controller-runtime/pkg/log.(*delegatingLogSink).WithValues(0xc0008ad0c0, {0x0, 0x0, 0x0})
/home/runner/go/pkg/mod/sigs.k8s.io/controller-runtime@v0.15.2/pkg/log/deleg.go:168 +0x49
github.com/go-logr/logr.Logger.WithValues(...)
/home/runner/go/pkg/mod/github.com/go-logr/logr@v1.2.4/logr.go:323
sigs.k8s.io/controller-runtime/pkg/log.FromContext({0x43987e0?, 0x646bdc0?}, {0x0?, 0x0?, 0x0?})
/home/runner/go/pkg/mod/sigs.k8s.io/controller-runtime@v0.15.2/pkg/log/log.go:59 +0xf7
github.com/apecloud/kubeblocks/pkg/configuration/core.CreateConfigPatch(0xc000bc8270, 0xc000bc82a0, {0xc0018997a0, 0xa}, {0x0?, 0xc000b24000?, 0x3953788?}, 0x12?)
/home/runner/work/kubeblocks/kubeblocks/pkg/configuration/core/config_patch_util.go:48 +0x1a8
github.com/apecloud/kubeblocks/pkg/cli/cmd/cluster.(*editConfigOptions).RunWithConfigConstraints(0xc00078d260, 0xc00191fa88, 0xc0016df388, 0xc00191fc58)
/home/runner/work/kubeblocks/kubeblocks/pkg/cli/cmd/cluster/config_edit.go:130 +0x2e5
github.com/apecloud/kubeblocks/pkg/cli/cmd/cluster.(*editConfigOptions).Run(0xc00078d260, 0xc00191fc58)
/home/runner/work/kubeblocks/kubeblocks/pkg/cli/cmd/cluster/config_edit.go:94 +0x3cb
github.com/apecloud/kubeblocks/pkg/cli/cmd/cluster.NewEditConfigureCmd.func1(0xc001877400?, {0xc000933d80?, 0x1?, 0x2?})
/home/runner/work/kubeblocks/kubeblocks/pkg/cli/cmd/cluster/config_edit.go:243 +0xa7
github.com/spf13/cobra.(*Command).execute(0xc00080b500, {0xc000933d60, 0x2, 0x2})
/home/runner/go/pkg/mod/github.com/spf13/cobra@v1.7.0/command.go:944 +0x863
github.com/spf13/cobra.(*Command).ExecuteC(0xc001516c00)
/home/runner/go/pkg/mod/github.com/spf13/cobra@v1.7.0/command.go:1068 +0x3a5
github.com/spf13/cobra.(*Command).Execute(...)
/home/runner/go/pkg/mod/github.com/spf13/cobra@v1.7.0/command.go:992
k8s.io/component-base/cli.run(0xc001516c00)
/home/runner/go/pkg/mod/k8s.io/component-base@v0.28.2/cli/run.go:146 +0x2c5
k8s.io/component-base/cli.RunNoErrOutput(...)
/home/runner/go/pkg/mod/k8s.io/component-base@v0.28.2/cli/run.go:84
main.main()
/home/runner/work/kubeblocks/kubeblocks/cmd/cli/main.go:31 +0x18
Config patch(updated parameters):
{"min_load_rpc_timeout_ms": "30"}

Warning: The parameter change incurs a cluster restart, which brings the cluster down for a while. Enter to continue...
Please type [Yes/No] to confirm: yes
OpsRequest yq-doris-reconfiguring-6spg9 created successfully, you can view the progress:
kbcli cluster describe-ops yq-doris-reconfiguring-6spg9 -n default
[root@hd1 ~]#
```

```

[root@hd1 ~]# kbcli cluster describe ops yq-doris-reconfiguring-6spg9 -n default
Spec:
  Name: yq-doris-reconfiguring-6spg9   Namespace: default   Cluster: yq-doris   Type: Reconfiguring
Command:
  kbcli cluster configure yq-doris --components=doris-be --config-spec=doris-be-conf-configuration --config-file=be.conf --set min_load_rpc_timeout_ms=30 --namespace=default
Status:
  Start Time:   Jan 05,2024 10:04 UTC+0800
  Duration:     21s
  Status:       Running
  Progress:     -/-
Conditions:
LAST-TRANSITION-TIME   TYPE           REASON                               STATUS  MESSAGE
Jan 05,2024 10:04 UTC+0800   Progressing    OpsRequestProgressingStarted         True    Start to process the OpsRequest: yq-doris-reconfiguring-6spg9 in Cluster: yq-doris
Jan 05,2024 10:04 UTC+0800   Validated     ValidateOpsRequestPassed             True    OpsRequest: yq-doris-reconfiguring-6spg9 is validated
Jan 05,2024 10:04 UTC+0800   Reconfigure   ReconfigureStarted                   True    Start to reconfigure in Cluster: yq-doris, Component: doris-be
Jan 05,2024 10:04 UTC+0800   ReconfigurePersisted   ReconfigurePersisted                 True    Reconfiguring in Cluster: yq-doris, Component: doris-be, ConfigSpec: doris-be-conf-configuration
, info: updated: map[be.conf:{"min_load_rpc_timeout_ms":"30"}], added: map[], deleted:map[]
Jan 05,2024 10:04 UTC+0800   ReconfigureRunning    ReconfigureRunning                   True    Reconfiguring in Cluster: yq-doris, Component: doris-be, ConfigSpec: doris-be-conf-configuration

Warning Events: <none>
[root@hd1 ~]# kubectl get pod |grep doris
yq-doris-doris-be-0          1/1   Running    0          15h
yq-doris-doris-be-1          1/1   Running    0          15h
yq-doris-doris-be-2          1/1   Running    0          15h
yq-doris-doris-be-3          1/1   Running    0          15h
yq-doris-doris-be-4          1/1   Terminating    0          15h
yq-doris-doris-cn-0          1/1   Running    0          15h
yq-doris-doris-cn-1          1/1   Running    0          15h
yq-doris-doris-cn-2          1/1   Running    0          15h
yq-doris-doris-cn-3          1/1   Running    0          15h
yq-doris-doris-cn-4          1/1   Running    0          15h
yq-doris-doris-fe-0          3/3   Running    0          13m
yq-doris-doris-fe-1          3/3   Running    0          14m
yq-doris-doris-fe-2          3/3   Running    0          15m
[root@hd1 ~]# kubectl get pod |grep doris
yq-doris-doris-be-0          1/1   Running    0          15h
yq-doris-doris-be-1          1/1   Terminating    0          15h
yq-doris-doris-be-2          1/1   Running    0          11s
yq-doris-doris-be-3          1/1   Running    0          48s
yq-doris-doris-be-4          1/1   Running    0          91s
yq-doris-doris-cn-0          1/1   Running    0          15h
yq-doris-doris-cn-1          1/1   Running    0          15h
yq-doris-doris-cn-2          1/1   Running    0          15h
yq-doris-doris-cn-3          1/1   Running    0          15h
yq-doris-doris-cn-4          1/1   Running    0          15h

```

查看数据

- 1 kubectl exec -it yq-doris-doris-fe-0 bash
- 2 mysql -uroot -P9030 -h\$KB_POD_IP -p\$MYSQL_ROOT_PASSWORD
- 3 select * from test.example_tbl;

```

[root@hd1 ~]# kubectl exec -it yq-doris-doris-fe-0 bash
kubectl exec [POD] [COMMAND] is DEPRECATED and will be removed in a future version. Use kubectl exec [POD] -- [COMMAND] instead.
Defaulted container "doris-fe" out of: doris-fe, mysql-root-script, config-manager
root@yq-doris-doris-fe-0:/# mysql -uroot -P9030 -h$KB_POD_IP -p$MYSQL_ROOT_PASSWORD
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MySQL connection id is 6
Server version: 5.7.99 Doris version doris-2.0.3-rc06-37d31a5

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MySQL [(none)]> select * from test.example_tbl;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| user_id | date       | city  | age | sex | last_visit_date | cost | max_dwell_time | min_dwell_time |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 10000   | 2017-10-01 | 北京  | 20  | 0   | 2017-10-01 06:00:00 | 20   | 10              | 10              |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.069 sec)

MySQL [(none)]>

```

10.6.2修改be的配置项

- 1 kbcli cluster edit-config yq-doris --component=doris-cn

```

sys_log_level = INFO
be_port = 9060
webserver_port = 8040
heartbeat_service_port = 9050
brpc_port = 8060
be_node_role = computation
priority_networks = 10.96.0.0/12
min_load_rpc_timeout_ms = 30

```



```

[root@hd1 ~]# kbcli cluster edit-config yq-doris --component=doris-cn
--- Original
+++ Current
@@ -7,3 +7,5 @@
 be_node_role = computation
 priority_networks = 10.96.0.0/12

+min_load_rpc_timeout_ms = 30
+

[controller-runtime] log.SetLogger(...) was never called, logs will not be displayed:
goroutine 1 [running]:
runtime/debug.Stack()
    /opt/hostedtoolcache/go/1.21.3/x64/src/runtime/debug/stack.go:24 +0x5e
sigs.k8s.io/controller-runtime/pkg/log.EventuallyFulfillRoot()
    /home/runner/go/pkg/mod/sigs.k8s.io/controller-runtime@v0.15.2/pkg/log/log.go:59 +0xcd
sigs.k8s.io/controller-runtime/pkg/log.(*delegatingLogSink).WithValues(0xc000d8ccc0, {0x0, 0x0, 0x0})
    /home/runner/go/pkg/mod/sigs.k8s.io/controller-runtime@v0.15.2/pkg/log/deleg.go:168 +0x49
github.com/go-logr/logr.Logger.WithValues(...)
    /home/runner/go/pkg/mod/github.com/go-logr/logr@v1.2.4/logr.go:323
sigs.k8s.io/controller-runtime/pkg/log.FromContext({0x43987e0?, 0x646bdc0?}, {0x0?, 0x0?, 0x0?})
    /home/runner/go/pkg/mod/sigs.k8s.io/controller-runtime@v0.15.2/pkg/log/log.go:89 +0xf7
github.com/apecloud/kubeblocks/pkg/configuration/core.CreateConfigPatch(0xc0010d8570, 0xc0010d85a0, {0xc000d4dff0, 0xa}, {0x0?, 0xc000bc4000?, 0x3953788?}, 0x12?)
    /home/runner/work/kubeblocks/kubeblocks/pkg/configuration/core/config_patch_util.go:48 +0x1a8
github.com/apecloud/kubeblocks/pkg/cli/cmd/cluster.(*editConfigOptions).RunWithConfigConstraints(0xc0014e1e60, 0xc001f19a88, 0xc0015a3148, 0xc001f19c58)
    /home/runner/work/kubeblocks/kubeblocks/pkg/cli/cmd/cluster/config_edit.go:130 +0x2e5
github.com/apecloud/kubeblocks/pkg/cli/cmd/cluster.(*editConfigOptions).Run(0xc0014e1e60, 0xc00199fc58)
    /home/runner/work/kubeblocks/kubeblocks/pkg/cli/cmd/cluster/config_edit.go:94 +0x3cb
github.com/apecloud/kubeblocks/pkg/cli/cmd/cluster.NewEditConfigureCmd.func1(0xc0015e3800?, {0xc0015ad460?, 0x1?, 0x2?})
    /home/runner/work/kubeblocks/kubeblocks/pkg/cli/cmd/cluster/config_edit.go:243 +0xa7
github.com/spf13/cobra.(*Command).execute(0xc001600300, {0xc0015ad440, 0x2, 0x2})
    /home/runner/go/pkg/mod/github.com/spf13/cobra@v1.7.0/command.go:944 +0x863
github.com/spf13/cobra.(*Command).ExecuteC(0xc001162300)
    /home/runner/go/pkg/mod/github.com/spf13/cobra@v1.7.0/command.go:1068 +0x3a5
github.com/spf13/cobra.(*Command).Execute(...)
    /home/runner/go/pkg/mod/github.com/spf13/cobra@v1.7.0/command.go:992
k8s.io/component-base/cli.run(0xc001162300)
    /home/runner/go/pkg/mod/k8s.io/component-base@v0.28.2/cli/run.go:146 +0xc25
k8s.io/component-base/cli.RunNoErrOutput(...)
    /home/runner/go/pkg/mod/k8s.io/component-base@v0.28.2/cli/run.go:84
main.main()
    /home/runner/work/kubeblocks/kubeblocks/cmd/cli/main.go:31 +0x18
Config patch(updated parameters):
{"min_load_rpc_timeout_ms":30}

Warning: The parameter change incurs a cluster restart, which brings the cluster down for a while. Enter to continue...
Please type [Yes/No] to confirm: yes
OpsRequest yq-doris-reconfiguring-njxpj created successfully, you can view the progress:
kbcli cluster describe-ops yq-doris-reconfiguring-njxpj -n default
[root@hd1 ~]#

```

```

[root@hd1 ~]# kbcli cluster describe-ops yq-doris-reconfiguring-njxpj -n default
Spec:
Name: yq-doris-reconfiguring-njxpj      Namespace: default      Cluster: yq-doris      Type: Reconfiguring

Command:
kbcli cluster configure yq-doris --components=doris-cn --config-spec=doris-cn-conf-configuration --config-file=be.conf --set min_load_rpc_timeout_ms=30 --namespace=default

Status:
Start Time:      Jan 05, 2024 10:17 UTC+0800
Duration:        30s
Status:          Running
Progress:        -/-

Conditions:
LAST-TRANSITION-TIME  TYPE          REASON                STATUS  MESSAGE
Jan 05, 2024 10:17 UTC+0800  Progressing     OpsRequestProgressingStarted  True    Start to process the OpsRequest: yq-doris-reconfiguring-njxpj in Cluster: yq-doris
Jan 05, 2024 10:17 UTC+0800  Validated      ValidateOpsRequestPassed      True    OpsRequest: yq-doris-reconfiguring-njxpj is validated
Jan 05, 2024 10:17 UTC+0800  Reconfigure    ReconfigureStarted           True    Start to reconfigure in Cluster: yq-doris, Component: doris-cn
Jan 05, 2024 10:17 UTC+0800  ReconfigurePersisted  ReconfigurePersisted         True    Reconfiguring in Cluster: yq-doris, Component: doris-cn, ConfigSpec: doris-cn-conf-configuration
Jan 05, 2024 10:17 UTC+0800  ReconfigureRunning  ReconfigureRunning           True    Reconfiguring in Cluster: yq-doris, Component: doris-cn, ConfigSpec: doris-cn-conf-configuration

Warning Events: <none>
[root@hd1 ~]# kubectl get pod |grep doris
yq-doris-doris-be-0          1/1      Running    0          10m
yq-doris-doris-be-1          1/1      Running    0          11m
yq-doris-doris-be-2          1/1      Running    0          11m
yq-doris-doris-be-3          1/1      Running    0          12m
yq-doris-doris-be-4          1/1      Running    0          13m
yq-doris-doris-cn-0          1/1      Running    0          15h
yq-doris-doris-cn-1          1/1      Running    0          15h
yq-doris-doris-cn-2          1/1      Running    0          15h
yq-doris-doris-cn-3          1/1      Terminating  0          15h
yq-doris-doris-cn-4          1/1      Running    0          5s
yq-doris-doris-fe-0          3/3      Running    0          26m
yq-doris-doris-fe-1          3/3      Running    0          27m
yq-doris-doris-fe-2          3/3      Running    0          28m
[root@hd1 ~]# kubectl get pod |grep doris
yq-doris-doris-be-0          1/1      Running    0          13m
yq-doris-doris-be-1          1/1      Running    0          14m
yq-doris-doris-be-2          1/1      Running    0          15m
yq-doris-doris-be-3          1/1      Running    0          15m
yq-doris-doris-be-4          1/1      Running    0          16m
yq-doris-doris-cn-0          1/1      Running    0          57s
yq-doris-doris-cn-1          1/1      Running    0          91s
yq-doris-doris-cn-2          1/1      Running    0          2m7s
yq-doris-doris-cn-3          1/1      Running    0          2m41s
yq-doris-doris-cn-4          1/1      Running    0          3m13s
yq-doris-doris-fe-0          3/3      Running    0          29m
yq-doris-doris-fe-1          3/3      Running    0          30m
yq-doris-doris-fe-2          3/3      Running    0          31m
[root@hd1 ~]#

```

查看数据

- 1 kubectl exec -it yq-doris-doris-fe-0 bash
- 2 mysql -uroot -P9030 -h\$KB_POD_IP -p\$MYSQL_ROOT_PASSWORD

```
3 select * from test.example_tbl;
```

```
[root@hd1 ~]# kubectl exec -it yq-doris-doris-fe-0 bash
kubectl exec [POD] [COMMAND] is DEPRECATED and will be removed in a future version. Use kubectl exec [POD] -- [COMMAND] instead.
Defaulted container "doris-fe" out of: doris-fe, mysql-root-script, config-manager
root@yq-doris-doris-fe-0:/# mysql -uroot -P9030 -h$KB_POD_IP -p$MYSQL_ROOT_PASSWORD
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MySQL connection id is 7
Server version: 5.7.99 Doris version doris-2.0.3-rc06-37d31a5

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MySQL [(none)]> select * from test.example_tbl;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| user_id | date       | city | age | sex | last_visit_date | cost | max_dwell_time | min_dwell_time |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 10000   | 2017-10-01 | 北京 | 20  | 0   | 2017-10-01 06:00:00 | 20   | 10              | 10              |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.048 sec)
```

10.7 删除集群

执行如下命令进行删除

```
1 kubectl patch cluster yq-doris -p '{"spec":{"terminationPolicy":"WipeOut"}}' --
  type="merge"
2
3 kubectl delete cluster yq-doris
```