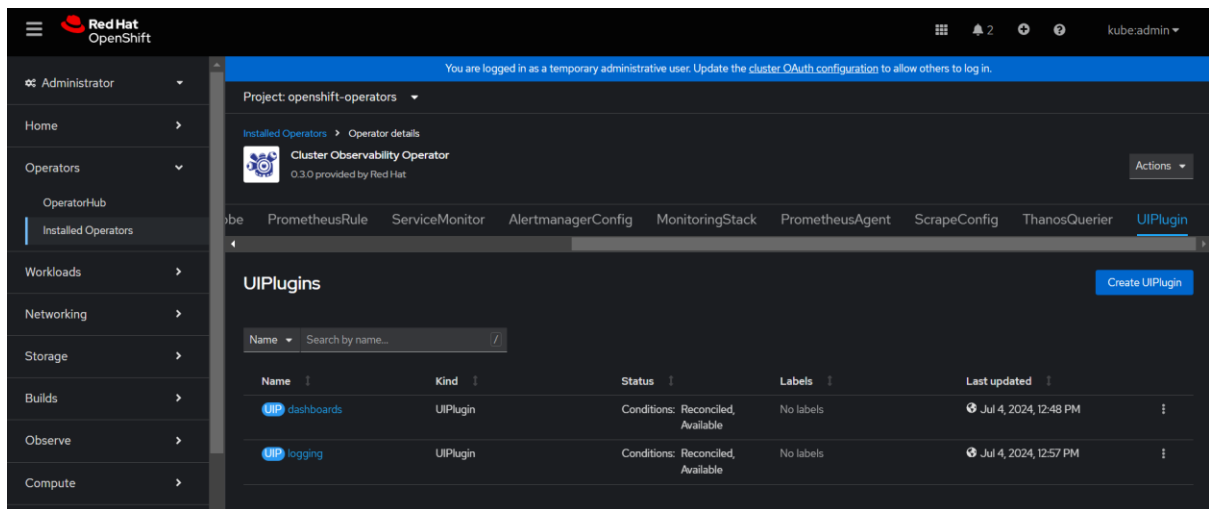


Install operators:

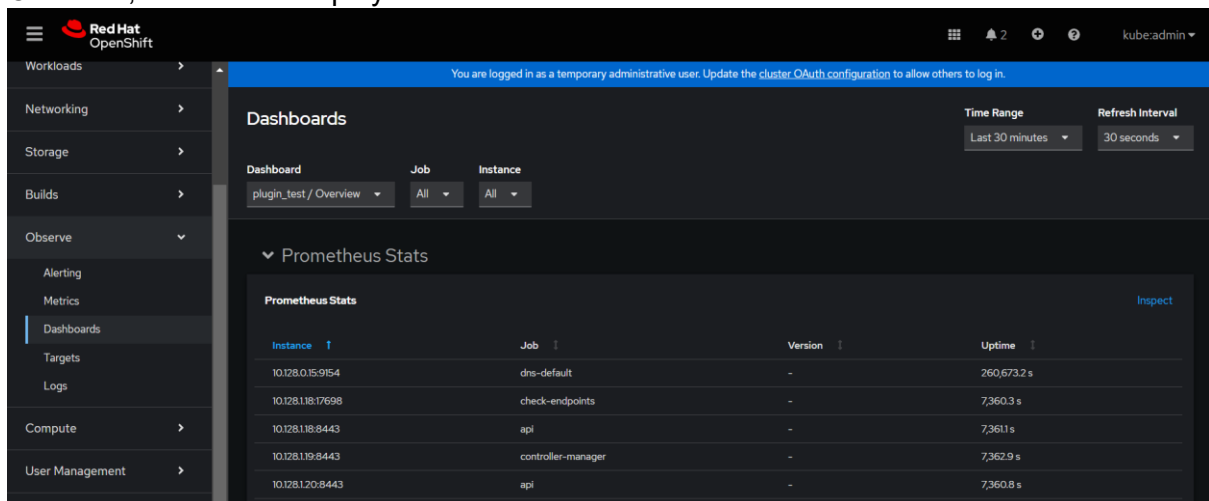
```
[root@rdr-jeev-416logg-bastion-0 ~]# oc get csv -n openshift-logging
NAME                               DISPLAY                               VERSION
REPLACES                           PHASE
cluster-logging.v5.9.4             Red Hat OpenShift Logging           5.9.4
Succeeded
cluster-observability-operator.0.3.0 Cluster Observability Operator      0.3.0
cluster-observability-operator.0.2.0 Succeeded
loki-operator.v5.9.4               Loki Operator                         5.9.4
Succeeded
```

```
[root@rdr-jeev-416logg-bastion-0 ~]# oc get pods -n openshift-logging
NAME                                READY   STATUS    RESTARTS
AGE
cluster-logging-operator-6f4fd756d5-xblgc 1/1     Running   0
20m
collector-2wb6b                             1/1     Running   0
16m
collector-46h1r                             1/1     Running   0
16m
collector-4f6s8                             1/1     Running   0
16m
collector-w99hw                             1/1     Running   0
16m
collector-wvt2n                             1/1     Running   0
16m
logging-view-plugin-5c67599c96-jzkc4       1/1     Running   0
16m
lokistack-sample-compactor-0                1/1     Running   0
16m
lokistack-sample-distributor-5746895466-26krn 1/1     Running   0
16m
lokistack-sample-distributor-5746895466-rzpft 1/1     Running   0
16m
lokistack-sample-gateway-b7ccbf64-9zhps     2/2     Running   0
16m
lokistack-sample-gateway-b7ccbf64-cbq66     2/2     Running   0
16m
lokistack-sample-index-gateway-0            1/1     Running   0
16m
lokistack-sample-index-gateway-1            1/1     Running   0
117s
lokistack-sample-ingester-0                 1/1     Running   0
16m
lokistack-sample-ingester-1                 1/1     Running   0
77s
lokistack-sample-querier-6df7fb6b7b-5pm5z   1/1     Running   0
16m
lokistack-sample-querier-6df7fb6b7b-h9k87   1/1     Running   0
16m
lokistack-sample-query-frontend-59b89bfdbc-jm976 1/1     Running   0
16m
lokistack-sample-query-frontend-59b89bfdbc-qgc47 1/1     Running   0
16m
lokistack-sample-ruler-0                    1/1     Running   0
7m26s
lokistack-sample-ruler-1                    1/1     Running   0
16m
```

Created Plugins through UI:



Open openshift admin console and navigate to Observe->Dashboards, select Plugin_test / Overview, check data display



```
[root@rdr-jeev-416logg-bastion-0 coo]# oc get pods -n openshift-operators
NAME                                READY   STATUS
RESTARTS   AGE
logging-ff6cfc598-249h2              1/1    Running   0
15s
obo-prometheus-operator-84ccd867b4-mjc7x 1/1    Running   0
67m
obo-prometheus-operator-admission-webhook-6684db65b6-mftkw 1/1    Running   0
67m
obo-prometheus-operator-admission-webhook-6684db65b6-pwttz 1/1    Running   0
67m
observability-operator-87b87df87-c4k2j 1/1    Running   0
67m
observability-ui-dashboards-74b7cf7654-wjzlf 1/1    Running   0
9m38s
```

Logging-view-plugin is removed from openshift-logging

```
[root@rdr-jeev-416logg-bastion-0 coo]# oc get pods -n openshift-logging
NAME                                READY   STATUS    RESTARTS
AGE
cluster-logging-operator-6f4fd756d5-xblgc    1/1     Running   0
41m
collector-2wb6b                               1/1     Running   0
38m
collector-46h1r                               1/1     Running   0
38m
collector-4f6s8                               1/1     Running   0
38m
collector-w99hw                               1/1     Running   0
38m
collector-wvt2n                               1/1     Running   0
38m
lokistack-sample-compactor-0                 1/1     Running   0
37m
lokistack-sample-distributor-5746895466-26krn 1/1     Running   0
37m
lokistack-sample-distributor-5746895466-rzpft 1/1     Running   0
37m
lokistack-sample-gateway-b7ccbf64-9zhps      2/2     Running   0
37m
lokistack-sample-gateway-b7ccbf64-cbq66      2/2     Running   0
37m
lokistack-sample-index-gateway-0             1/1     Running   0
37m
lokistack-sample-index-gateway-1             1/1     Running   0
23m
lokistack-sample-ingester-0                  1/1     Running   0
37m
lokistack-sample-ingester-1                  1/1     Running   0
22m
lokistack-sample-querier-6df7fb6b7b-5pm5z    1/1     Running   0
37m
lokistack-sample-querier-6df7fb6b7b-h9k87    1/1     Running   0
37m
lokistack-sample-query-frontend-59b89bfdbc-jm976 1/1     Running   0
37m
lokistack-sample-query-frontend-59b89bfdbc-qgc47 1/1     Running   0
37m
lokistack-sample-ruler-0                     1/1     Running   0
28m
lokistack-sample-ruler-1                     1/1     Running   0
37m
```

```
[root@rdr-jeev-416logg-bastion-0 coo]# oc get cm/logging -n openshift-operators -o
json |jq '.data'
{
  "config.yaml": "logsLimit: 20\ntimeout: 6m0s\n"
}
```

consoleplugin logging-view-plugin backend service is updated to openshift-operators/logging

```
[root@rdr-jeev-416logg-bastion-0 coo]# oc get consoleplugin logging-view-plugin -o
json |jq '.spec'
{
  "backend": {
    "service": {
```

```

    "basePath": "/",
    "name": "logging",
    "namespace": "openshift-operators",
    "port": 9443
  },
  "type": "Service"
},
"displayName": "Logging View",
"i18n": {
  "loadType": ""
},
"proxy": [
  {
    "alias": "backend",
    "authorization": "UserToken",
    "endpoint": {
      "service": {
        "name": "lokistack-sample-gateway-http",
        "namespace": "openshift-logging",
        "port": 8080
      },
      "type": "Service"
    }
  },
  {
    "alias": "korrel18r",
    "authorization": "UserToken",
    "endpoint": {
      "service": {
        "name": "korrel18r",
        "namespace": "openshift-operators",
        "port": 9443
      },
      "type": "Service"
    }
  }
]
}

```

Logs can be displayed via Observe → Logs

The screenshot shows the Red Hat OpenShift console interface. The left sidebar contains navigation options: Workloads, Networking, Storage, Builds, Observe (expanded), Alerting, Metrics, Dashboards, Targets, Compute, User Management, and Administration. The main content area is titled 'Logs' and shows a list of log entries. The top of the console displays the user 'kube:admin' and a notification: 'You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.'

Date	Message
Jul 4, 2024, 12:53:25.238	{\"message\": \"MERGE_JSON_LOG=true\", \"level\": \"debug\", \"layer1\": \"layer1 0\", \"layer2\": {\"name\": \"Layer2 1\", \"tips\": \"Decide by PRESERVE_JSON_LOG\"}, \"StringNumber\": \"10\", \"Number\": 10, \"foo.bar\": \"Dot Item\", \"foobar\": \"Brace Item\", \"[foobar]\": \"Bracket Item\", \"foo:bar\": \"Colon Item\", \"foo bar\": \"Space Item\" }
Jul 4, 2024, 12:53:24.286	{\"message\": \"MERGE_JSON_LOG=true\", \"level\": \"debug\", \"layer1\": \"layer1 0\", \"layer2\": {\"name\": \"Layer2 1\", \"tips\": \"Decide by PRESERVE_JSON_LOG\"}, \"StringNumber\": \"10\", \"Number\": 10, \"foo.bar\": \"Dot Item\", \"foobar\": \"Brace Item\", \"[foobar]\": \"Bracket Item\", \"foo:bar\": \"Colon Item\", \"foo bar\": \"Space Item\" }
Jul 4, 2024, 12:53:23.173	{\"message\": \"MERGE_JSON_LOG=true\", \"level\": \"debug\", \"layer1\": \"layer1 0\", \"layer2\": {\"name\": \"Layer2 1\", \"tips\": \"Decide by PRESERVE_JSON_LOG\"}, \"StringNumber\": \"10\", \"Number\": 10, \"foo.bar\": \"Dot Item\", \"foobar\": \"Brace Item\", \"[foobar]\": \"Bracket Item\", \"foo:bar\": \"Colon Item\", \"foo bar\": \"Space Item\" }
Jul 4, 2024, 12:53:22.140	{\"message\": \"MERGE_JSON_LOG=true\", \"level\": \"debug\", \"layer1\": \"layer1 0\", \"layer2\": {\"name\": \"Layer2 1\", \"tips\": \"Decide by PRESERVE_JSON_LOG\"}, \"StringNumber\": \"10\", \"Number\": 10, \"foo.bar\": \"Dot Item\", \"foobar\": \"Brace Item\", \"[foobar]\": \"Bracket Item\", \"foo:bar\": \"Colon Item\", \"foo bar\": \"Space Item\" }
Jul 4, 2024, 12:53:21.354	{\"message\": \"MERGE_JSON_LOG=true\", \"level\": \"debug\", \"layer1\": \"layer1 0\", \"layer2\": {\"name\": \"Layer2 1\", \"tips\": \"Decide by PRESERVE_JSON_LOG\"}, \"StringNumber\": \"10\", \"Number\": 10, \"foo.bar\": \"Dot Item\", \"foobar\": \"Brace Item\", \"[foobar]\": \"Bracket Item\", \"foo:bar\": \"Colon Item\", \"foo bar\": \"Space Item\" }