Cloud Pak for Data 2.5

Watson Knowledge Catalog service patch 3.0.0.3

Installation Instructions

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Contents

Overview

This service patch contains fixes for Watson Knowledge Catalog.

These instructions assume that you have the following products already installed in your Red Hat OpenShift cluster:

- IBM® Cloud Pak for Data. For more information, see Installing Cloud Pak for Data on a Red Hat OpenShift cluster.

- Watson Knowledge Catalog. For more information, see Installing the Watson Knowledge Catalog service.

Required role: To install the patch, you must be a cluster administrator.

Installing the patch

To install the Watson Knowledge Catalog service patch 3.0.0.3, complete the following steps:

1. The patch files are publicly available in the IBM Cloud Pak GitHub repository. Make sure that the repo.yaml file that defines your registries and file servers contains reference to this URL: https://raw.githubusercontent.com/IBM/cloud-pak/master/repo/cpd
2. Change to the directory for the Cloud Pak for Data command-line interface.
3. If you have the internet connection on the cluster, use the non air-gapped mode to install the patch. Run the following command:

```
./cpd-linux patch
  --namespace zen
  --repo repo.yaml
```

```
--assembly wkc
--patch-name wkc-patch-3.0.0.3
--transfer-image-to=${REGISTRY}:${PORT}/${RUN_NAMESPACE}
--ask-push-registry-credentials
Push registry credentials
Username: ocadmin
Password: oc whoami -t
```

Example command:

```
./cpd-linux patch --repo repo.yaml --assembly wkc --namespace zen --patch-name
wkc-patch-3.0.0.3 --transfer-image-to=docker-registry.default.svc:5000/zen --
ask-push-registry-credentials --target-registry-username=$(oc whoami) --target-
registry-password=$(oc whoami -t)
```

4. If you don't have the internet connection on the cluster, use the air-gapped mode.
   a) Run the following command to download the required files to your local machine.

```
./cpd-linux patch
--repo repo.yaml
--assembly wkc
--version 3.0.333
--patch-name wkc-patch-3.0.0.3
--action download
```

   b) Run the following command to install the patch:

```
./cpd-linux patch
--namespace Project
--load-from Image_directory_location
--assembly wkc
--patch-name wkc-patch-3.0.0.3
--transfer-image-to=Registry_location
--ask-push-registry-credentials --action push
```

   Replace the following values:
   - *Project*: The project (namespace) where the IBM Cloud Pak for Data control plane is installed.
   - *Image_Directory_location*: The location of the cpd-Operating_System- workspace directory.
   - *Registry_location*: The location to store the images in the registry server. For more information, see Setting up your registry server.

Post-installation steps

After you install the patch, complete the following post-installation steps.

- Update OMAG environment settings
- Configure gremlin-console service
- Configure wkc-glossary-service
- Configure Xmx settings for the IIS service (Optional)

Note: There are three sections below where a text segment should be copied from the file “wkc-patch-3.0.0.3-code.txt” which can be found in the same folder as this PDF file.

Update OMAG environment settings

1. Log in to your Red Hat OpenShift cluster as a project administrator:
   oc login *OpenShift_URL:port*
2. Open the service YAML file by running the following command:
   oc edit deployment omag
3. If not present in the file, add (copy/paste) the lines from the section “Update OMAG environment settings” in the wkc-patch-3.0.0.3-code.txt file, starting with - name
4. Save the changes and quit by using the :wq command. The pods are restarted automatically, and changes are applied.

Configure gremlin-console service

1. Log in to your Red Hat OpenShift cluster as a project administrator:

   oc login *OpenShift_URL:port*

2. Run the command

   oc set env deploy/gremlin-console -c gremlin-console JAVA_OPTIONS="-Djava.util.prefs.systemRoot=/tmp/.java -Djava.util.prefs.userRoot=/tmp/.java/.userPrefs -Duser.home=/tmp"

Configure wkc-glossary-service

1. Log in to your Red Hat OpenShift cluster as a project administrator:

   oc login *OpenShift_URL:port*

2. Open the service YAML file by running the following command:

   oc edit deployment wkc-glossary-service

3. If not present in the file, add (copy/paste) the lines from the section “Configure wkc-glossary-service” in the wkc-patch-3.0.0.3-code.txt file, starting with - name
4. Save the changes and quit by using the :wq command. The pods are restarted automatically, and changes are applied.

Configure Xmx settings for the IIS service (Optional)

Note: These settings are optional. They increase the amount of memory available for meta data migration, meta data discovery and data profiling activities. If you are intending to process large amounts of information it is recommended that you apply these changes.

1. Edit the configMap file for IIS service.

    1. Run the following command:

        oc -n zen edit cm iis-server

    2. If not present in the configMap file in the section 'data:', add (copy/paste) the lines from the section "Configure Xmx settings for the IIS service" in the wkc-patch-3.0.0.3-code.txt file and save the changes.

2. Edit the IIS services docker deployment.
    a) Run the following command:
        oc -n zen edit deployment iis-services
    b) In the volumeMounts section add the following lines.
        - mountPath: /opt/IBM/InformationServer/wlp/usr/servers/iis/jvm.options
          name: jvm-options-volume
          subPath: jvm.options
    c) In the volumes section add the following lines.
        - configMap:
            defaultMode: 420
            name: iis-server
          name: jvm-options-volume
    d) Save the changes.
3. The IIS service is restarted automatically, and changes are applied.