

IBM Spectrum Discover  
Version 2 Release 0

*Release Notes*



**Note**

Before using this information and the product it supports, read the information in [“Notices” on page 7.](#)

**Edition notice**

This edition applies to version 2 release 0 modification 4 of the following product, and to all subsequent releases and modifications until otherwise indicated in new editions:

- IBM Spectrum Discover ordered through Passport Advantage (product number 5737-I32)
- IBM Spectrum Discover ordered through AAS/eConfig (product number 5641-SG1)

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## About this information

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IBM Spectrum® Discover is metadata-driven management system for large scale file and object environments. IBM Spectrum Discover maintains a real-time metadata repository for large scale enterprise storage environments. Metadata can be searched, enhanced, discovered, and leveraged for data processing using built-in or custom agents.

### Which IBM Spectrum Discover information unit provides the information you need?

The IBM Spectrum Discover library consists of the information units listed in [Table 1 on page vii](#).

<b>Information unit</b>	<b>Type of information</b>	<b>Intended users</b>
IBM Spectrum Discover: Concepts, Planning, and Deployment Guide	This information unit provides information about the following topics: <ul style="list-style-type: none"><li>• Product Overview</li><li>• Planning</li><li>• Deploying and configuring</li></ul>	Users, system administrators, analysts, installers, planners, and programmers of IBM Spectrum Discover.
IBM Spectrum Discover: Administration Guide	This information unit provides information about administration, monitoring, and troubleshooting tasks.	Users, system administrators, analysts, installers, planners, and programmers of IBM Spectrum Discover.
IBM Spectrum Discover: REST API Guide	This information unit provides information about the following topics: <ul style="list-style-type: none"><li>• IBM Spectrum Discover REST APIs</li><li>• Endpoints for working with a DB2 warehouse</li><li>• Endpoints for working with policy management</li><li>• Endpoints for working with connection management</li><li>• Action agent management using APIs</li><li>• RBAC management using APIs</li></ul>	Users, system administrators, analysts, installers, planners, and programmers of IBM Spectrum Discover.

## Prerequisite and related information

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For updates to this information, see IBM Spectrum Discover in IBM Knowledge Center ([https://www.ibm.com/support/knowledgecenter/SSY8AC\\_2.0.4/isd204\\_welcome.html](https://www.ibm.com/support/knowledgecenter/SSY8AC_2.0.4/isd204_welcome.html)).

## How to send your comments

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You can add your comments in IBM Knowledge Center. To add comments directly in IBM Knowledge Center, you need to log in with your IBM ID.

You can also send your comments to [ibmkc@us.ibm.com](mailto:ibmkc@us.ibm.com).





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# Chapter 1. Release notes for version 2.0.4

These release notes apply to version 2.0.4 of IBM Spectrum Discover.

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## New features in this release

This release contains performance improvements and bug fixes as well as a number of new features:

- Backup/restore enhancements
- Data Accelerator for AI and Analytics (DAAA) support
- Data Mover Enhancements
- Moonwalk Data Mover support
- New and improved UI look and feel
- Policy history
- Red Hat OpenShift support
- Revamped Search UX
- WKC shared connection mapping

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## Known issues in version 2.0.4

The following known issues exist in version 2.0.4 of IBM Spectrum Discover, with workarounds included wherever possible. If you come across an issue that cannot be solved using these instructions, contact IBM Support.

### **COS connection reporting scan aborted due to inactivity**

If a COS connection scan fails with the error "Scan aborted because of a long period of inactivity" this can be resolved by editing the settings file `/opt/ibm/metaocean/data/connections/cos/scan/scanner-settings.json` and choosing a higher value for `notifier_timeout` than the default value of 120 seconds. The change will be picked up on the next scan, no pod restart is required.

Within an OpenShift deployment, the settings file is `connections/cos/scan/scanner-settings.json` within the data PV.

### **Group by filename error after a SQL query**

When using the Query builder, an error will occur if 'filename' is selected from the 'Group by' list. If information regarding potential duplicate files/objects is desired, then this can be displayed by clicking one of the links in the 'Duplicate file information' section of the dashboard.

### **Ingestion issue on new connection after upgrade**

If a new connection is quickly created right after an upgrade then the producers may not receive the `connection_updates` connection notice in time and run with an outdated connection list. This means you will not be able to ingest on your new connection.

To resolve this simply select the connection in the UI to edit it and save it and this will refresh the connections notices to producers and you can then ingest on this connection.

### **Mixed text/binary files not recognised by content search**

If a file passed to Contentsearch is not internally recognised as text it is passed to Apache Tika. In the case of a file with embedded binary control characters, the version of Tika supplied rejects them as an

unrecognized media format. As a workaround, the file extension can be added to the Contentsearch config text\_filetypes field.

## No notification displayed when data export initiated

Status for data export actions can be viewed from the bell icon notification center.

## OpenShift: Database connection issue after reboot

If an unexpected cluster update or node reboot causes database connection issues it may be necessary to check the following:

- All storage is mounted correctly on the compute nodes for system data and remount/reconnect if necessary
- System is connected to database and normal system operations such as create connection, scan, view connections, policies are working
- If above operations cannot be carried out check the state of the db2whrest pod and restart pod to reestablish database connection if necessary by deleting the pod:

```
oc delete pod -l app=spectrum-discover-db2whrest
```

## OpenShift: Image pull error due to authentication failure

The OCP login token expires occasionally, and as this is the container image registry password this breaks the service account access to the registry.

If a pod is failing to pull an image from the registry with an authentication error, then recreate the image-registry-pull-secret and re-link the service accounts to the new secret:

```
oc delete secret image-registry-pull-secret

HOST=$(oc get route default-route -n openshift-image-registry --template='{{ .spec.host }}')

oc create secret docker-registry image-registry-pull-secret \
  --docker-server="${HOST}" \
  --docker-username=kubeadmin \
  --docker-password="$(oc whoami -t)"

for account in spectrum-discover-operator strimzi-cluster-operator spectrum-discover-ssl-zookeeper spectrum-discover-sasl-zookeeper; do oc secrets link $account image-registry-pull-secret --for=pull; done
```

The above updates the password for the external image registry URL - if instead the internal URL was used in the custom resources, then the HOST variable should be pointed at that URL before recreating the secret.

## OpenShift: Metadata summarization database not refreshing

After a communication error with Db2u, the Metadata summarization database may stop refreshing. Under normal conditions, the Metadata summarization database updates every 30 minutes. If the 'Last updated:' timestamp on the dashboard doesn't update after several hours, it may be necessary to recover.

To identify if this problem has been encountered, check the db2wh-rest logs:

```
oc logs -l app=spectrum-discover-db2whrest -c spectrum-discover
```

If there is an error message similar to this:

```
2020-12-06 09:00:07,164 - sumtab - ERROR - SummaryTableUpdater hit exception ('40003', '[40003] [IBM][CLI Driver] SQL30081N A communication error has been detected. Communication protocol being used: "TCP/IP". Communication API being used: "SOCKETS". Location where the error was detected: "172.30.197.250". Communication function detecting
```

the error: "recv". Protocol specific error code(s): "", "", "0". SQLSTATE=08001\n (-30081) (SQLExecDirectW)

Then the db2wh-rest pod must be restarted to recover. To restart the pod run:

```
oc delete pod -l app=spectrum-discover-db2whrest
```

## **OVA: Spectrum Discover login failing right after install**

The installation script ("launch\_ansible") may finish before all the Spectrum Discover pods are fully running; it can take up to 10 minutes from successful installation until logins work through the UI.

## **Previously scanned metadata missing some unicode characters**

Prior to release 2.0.4, scans of IBM COS or S3 data sources did not correctly capture object names with some unicode characters (including Chinese characters). After upgrading Spectrum Discover to 2.0.4, a rescan of the data source will properly capture the unicode characters in the Spectrum Discover catalog.

## **UI issues in ESR versions of Firefox**

Older versions of the Firefox ESR browser may experience alignment issues with the UI. A workaround is to use a more recent version of Firefox or Google Chrome.

## **Visual query builder search terms overrides SQL search when going into individual mode**

If a search is started in the query builder then changed to SQL mode, the initial group search is as expected but if expanded to individual records it uses the query builder terms as the base.

A workaround is to clear the visual query before changing to SQL query.



# Accessibility features for IBM Spectrum Discover

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Accessibility features help users who have a disability, such as restricted mobility or limited vision, to use information technology products successfully.

## Accessibility features

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The following list includes the major accessibility features in IBM Spectrum Discover:

- Keyboard-only operation
- Interfaces that are commonly used by screen readers
- Keys that are discernible by touch but do not activate just by touching them
- Industry-standard devices for ports and connectors
- The attachment of alternative input and output devices

IBM Knowledge Center, and its related publications, are accessibility-enabled. The accessibility features are described in [IBM Knowledge Center \(www.ibm.com/support/knowledgecenter\)](http://www.ibm.com/support/knowledgecenter).

## Keyboard navigation

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This product uses standard Microsoft Windows navigation keys.

## IBM and accessibility

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See the [IBM Human Ability and Accessibility Center \(www.ibm.com/able\)](http://www.ibm.com/able) for more information about the commitment that IBM has to accessibility.



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