

IBM Spectrum Discover
2.0

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

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](#).

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

Prerequisite and related information

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).

How to send your comments

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.

Chapter 1. Release notes for version 2.0.4.4

These release notes apply to version 2.0.4.4 of IBM Spectrum Discover.

New features in this release

No new features are included.

Known issues in version 2.0.4.4

The following known issues exist in version 2.0.4.4 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.

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.

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.

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.

LDAPS configuration failing if dollar sign is in password

Currently, the dollar sign isn't supported on passwords for ldaps configuration.

A workaround is to make a password without the dollar sign in it.

Policy log view returns to top after about 5 seconds

There is a known issue with viewing policy logs where the log will take you to the top of the page about every 5 seconds.

A workaround is to download the policy log in order to see it in more detail.

Collection admin can't edit group

There is a known issue where collection admin can't edit a group from the UI.

A workaround is to ask a user with the admin role to edit the group instead.

Description can't be edited for domain users from the UI

There is an issue where the description from a domain user can't be edited from the UI even though we receive a "success" notification.

Content search policy hang issues

If a content search policy does not finish even with a small amount of data to process, maybe the content search agent hanged and can't continue, then rebooting the agent should let the policies continue and complete. A workaround to let a policy finish is to reboot it by using the following command.

```
kubectl rollout restart deployment spectrum-discover-contentsearchagent
```

Content search policy missing files

If having issues with the incorrect expected data count while running a policy, please verify that the connection is active and try to rescan to get latest data ingested to Spectrum Discover. After a successful upgrade of Spectrum Discover a rescan of existing connections is recommended.

Configuring TLS certificate

There is a documented issue where TLS certificates will be overwritten upon upgrading to any version of Spectrum Discover more recent than 2.0.4. If possible, save a copy of each of these certificates before upgrading, so that you can reapply them after the upgrade. Otherwise, these TLS certificates will have to be recreated in the process described here: [Configuring custom TLS certificate](#). Either way, it may be necessary to make sure that the “host” and “tls_secret_name” fields are accurate under the “ingress” section described in the previous article. If you are using Moonwalk integrated with Spectrum Discover, and you had to recreate the secrets, the new certificate will need to be imported to the Windows server that has the Moonwalk Admin Center and the following steps will need to be followed:

1. Go to “Manage computer certificates”.
2. Navigate to “Certificates - Local Computer/Third-Party Root Certification Authorities/Certificates”.
3. Right click on the “Certificates” folder and select “All Tasks > Import...”.
4. Follow the steps of the Certificate Import Wizard.

For more information, refer to the following link: [Upgrading spectrum discover version 2.0.4 and higher](#).

REST API returns token with unprintable characters

It’s a noted issue that a carriage return (\r) is included at the end of HTTP response headers due to an issue with curl. This has been known to occasionally break scripts that use an auth token from the Spectrum Discover appliance as shown here:

```
$ curl -k -H "Authorization: Bearer ${TOKEN}" https://$SDHOST/policyengine/v1/tags
curl: (92) HTTP/2 stream 0 was not closed cleanly: PROTOCOL_ERROR (err 1)
```

As such, it’s recommended to filter out the \r character. If you have a line like the following in bash:

```
`TOKEN=$(curl -i -k https://$SDHOST/auth/v1/token -u "$SDUSER:$SDPSWD" | grep -i x-auth-token |
awk '{print $2}')`
```

Simply add a | tr -d '\r' at the end to avoid running into this issue:

```
`TOKEN=$(curl -i -k https://$SDHOST/auth/v1/token -u "$SDUSER:$SDPSWD" | grep -i x-auth-token |
awk '{print $2}' | tr -d '\r')`
```

Querying available applications on Docker Hub is not working

When trying to retrieve the list of available applications on Docker Hub using the public registry endpoint, the query is retrieving an empty response:

```
$ tcurl https://$OVA}/api/application/appcatalog/publicregistry | jq
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           %             0         0     0         0      0      0      0
100    78  100    78    0    0    135    0  --:--:--  --:--:--  --:--:--   135

{
  "success": "false",
  "message": "Could not retrieve available applications."
}
```

To avoid this issue, the user needs to open a browser and then access to the following URL: [Docker Documentation](#)

The above link will retrieve the list of IBM Spectrum Discover applications available in the public registry. Then, the image name of the application selected, from the query output, can be used to create the JSON file with the information needed to run the application, as shown in the following: [Spectrum Discover documentation](#)

Running applications from the catalog

Querying and running available applications from the catalog Currently, the REST API public registry endpoint to retrieve the list of available applications from the DockerHub is not working. For that reason, the Spectrum Discover application catalog is only available in the following repository: [spectrum discover app catalog](#)

At the moment, the only option to install any of these applications is to run the python code of each one to view the application in the Spectrum Discover UI, as shown in the readme file of the sample application available in the GitHub repository: [spectrum discover application example](#)

Scan issue after a new install of 2.0.4.4

There may be a scan issue with kafka event notification on the IBM Spectrum Discover after a new install of the IBM Spectrum Discover 2.0.4.4 product. There is no issue with an upgrade.

The scan issue may surface on a new install when after adding a data source connection to IBM Spectrum Discover, a scan of the connection will hang. The number of records will be shown as scanned, but there will be no records indexed. If this occurs, the VM should then be rebooted so that the scan can be resubmitted after IBM Spectrum Discover becomes available.

It is recommended to add just one connection to IBM Spectrum Discover after the new install so that it can be verified that the scan works before adding additional connections.

Accessibility features for IBM Spectrum Discover

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

Accessibility features

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

This product uses standard Microsoft Windows navigation keys.

IBM and accessibility

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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Product Number: 5737-I32
5641-SG1

SC27-9604-00

