

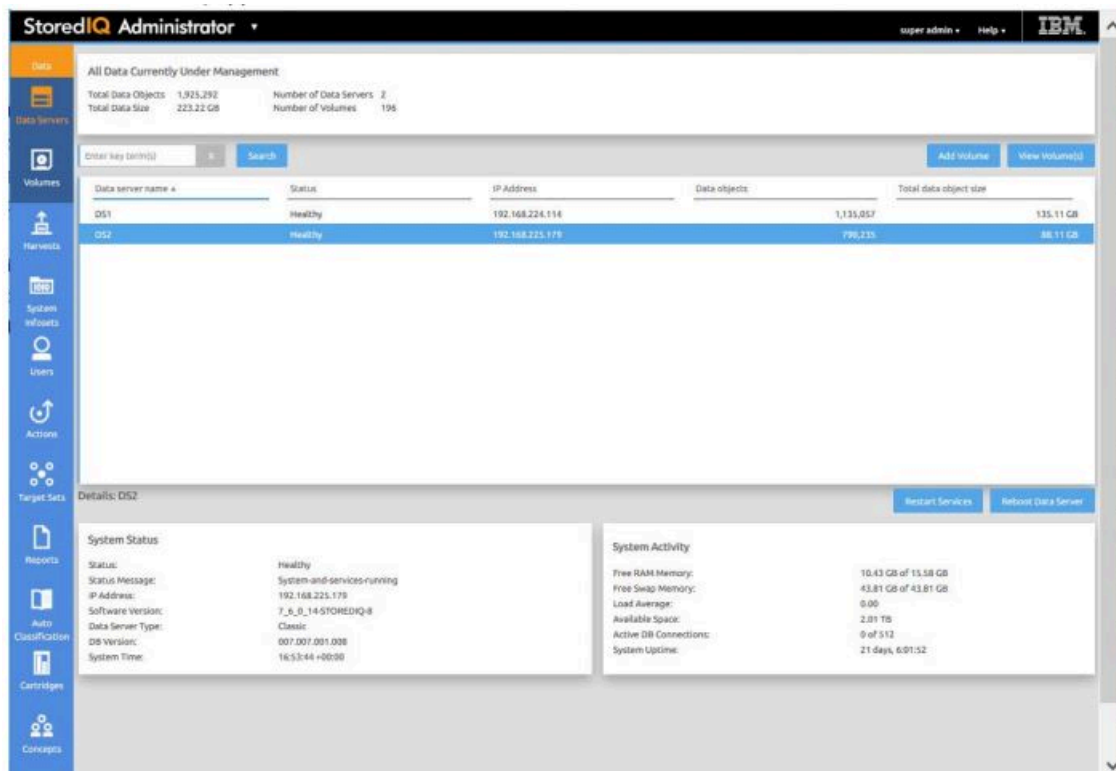
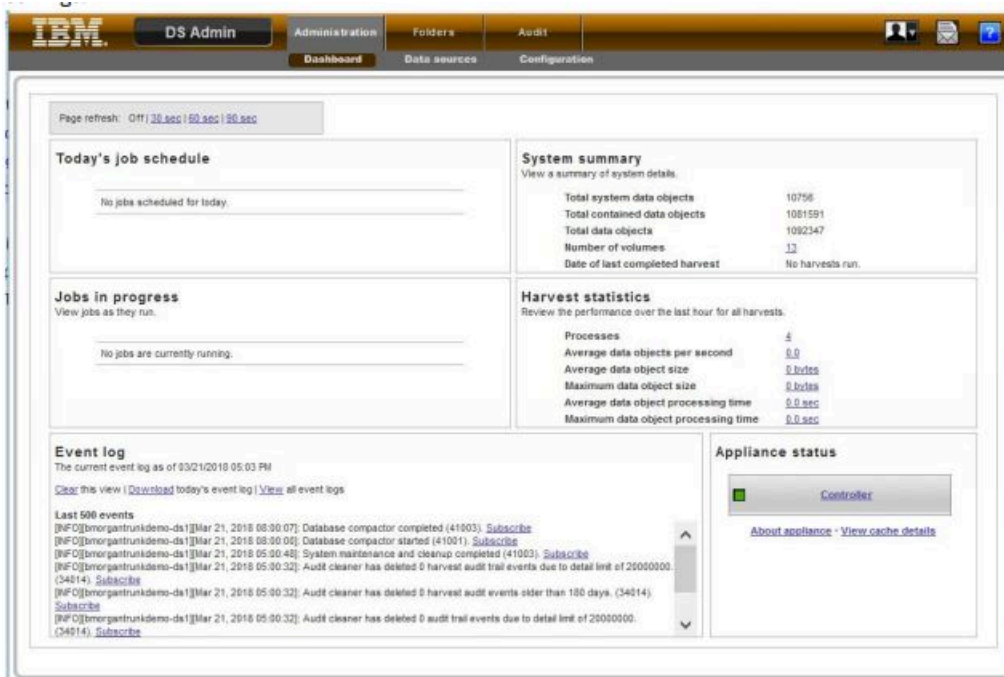
# Project2

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# Chapter 1. Source images

## images





IBM Storwize Insights

super admin • help • IBM

Policy Dashboard

View policy status. Click to view details.

Enter key term(s)

Policy Name	Type	When	What	Filter	Next Run	Complete	Admin	Policy user
Company A	Automated Deletion	2018-03-21 11:12 AM	DS1 Box My users	Data Map: Fri Apr 01 2016 13:03:42 GMT-0500 (Central Sta...	N/A	0	super admin	super admin

Created: 2018-03-21 11:07 AM

Loaded 1 of 1

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Loaded 1 of 1

## Chapter 2. Configuring and managing actions:

An action is any process that is taken upon the data that is represented by the indexes. Actions are run by data servers on indexed data objects. Any errors or warnings that are generated as a result of an action are recorded as exceptions in IBM StoredIQ Data Workbench.

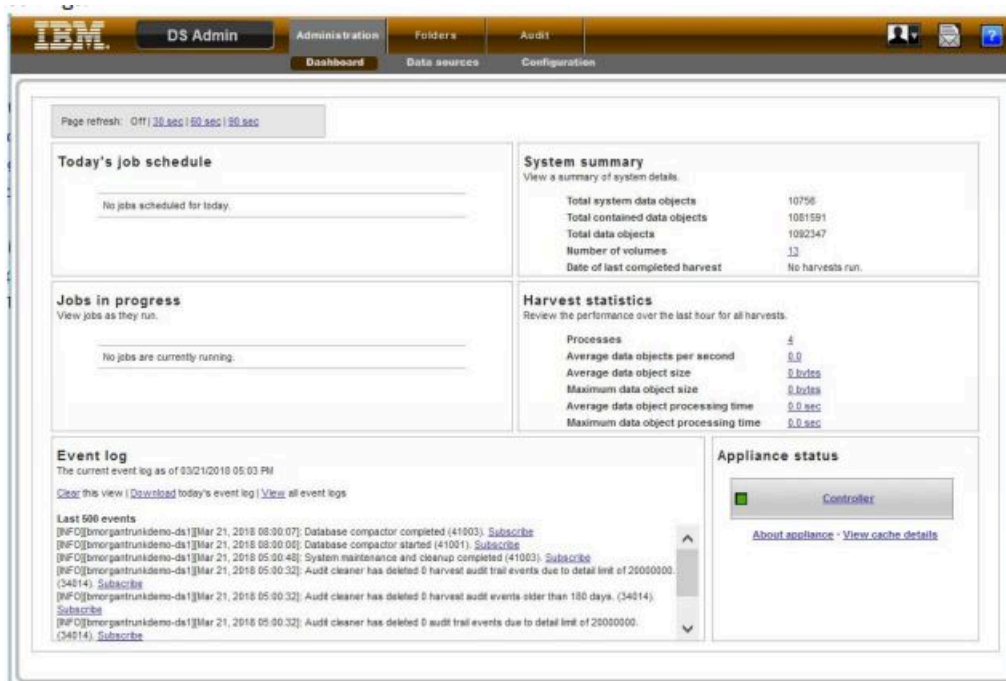
 **Note:** Actions can be created within IBM StoredIQ Administrator and then made available to other IBM StoredIQ applications such as IBM StoredIQ Data Workbench.

# Chapter 3. Applications of IBM StoredIQ

IBM StoredIQ provides interface applications that help fulfill its solution goals.

## IBM StoredIQ Data Server

IBM StoredIQ Data Server user interface provides access to data server functionality. It allows administrators to view the dashboard and see the status of the jobs and system details. Administrators can manage information about servers and conduct various configurations on the system and application settings.





# Chapter 4. About this publication

*IBM StoredIQ Deployment and Configuration Guide* provides information about how to plan, deploy, and configure the IBM StoredIQ product.

## About this publication

*IBM StoredIQ Deployment and Configuration Guide* provides information about how to plan, deploy, and configure the IBM StoredIQ product.

## Contacting IBM StoredIQ customer support

For IBM StoredIQ technical support or to learn about available service options, contact IBM StoredIQ customer support at this phone number:

- 1-866-227-2068

Or, see the Contact IBM web site at <http://www.ibm.com/contact/us/>.

### **IBM Knowledge Center**

The IBM StoredIQ documentation is available in IBM Knowledge Centre

### **Contacting IBM**

For general inquiries, call 800-IBM-4YOU (800-426-4968). To contact IBM customer service in the United States or Canada, call 1-800-IBM-SERV (1-800-426-7378).

For more information about how to contact IBM, including TTY service, see the Contact IBM website at <http://www.ibm.com/contact/us/>.

# Chapter 5. IBM StoredIQ components

## IBM StoredIQ components

The IBM StoredIQ solution consists of these components: the application stack, the gateway, the data server, and optionally the Elasticsearch cluster.

## Solution components

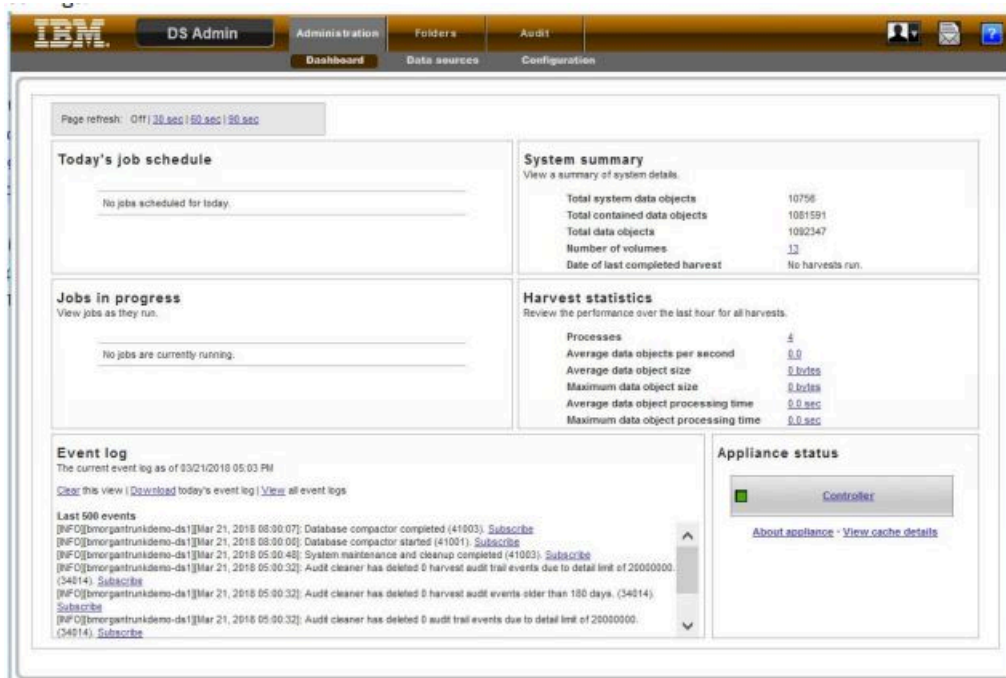
IBM StoredIQ provides three solution components: the gateway, data servers, and application stack (AppStack)

## Applications of IBM StoredIQ

IBM StoredIQ provides interface applications that help fulfill its solution goals.

### **IBM StoredIQ Data Server**

IBM StoredIQ Data Server user interface provides access to data server functionality. It allows administrators to view the dashboard and see the status of the jobs and system details. Administrators can manage information about servers and conduct various configurations on the system and application settings.



## Viewing data servers and volumes:

Using IBM StoredIQ Administrator, the Administrator can identify what data servers are deployed, their location, what data is being managed, and the status of each data server in the system. Volume management is a central component of IBM StoredIQ. IBM StoredIQ Administrator also allows the Administrator to see what volumes are currently under management, which data server is responsible for that volume, the state of the volume after indexing, and the amount and size of information that is contained by each volume. Administrators can also add volumes to and delete volumes from data servers through this interface.

If IBM StoredIQ is configured for integration with Information Governance Catalog, the Administrator can also manage which volumes are published to the governance catalog.

## Scheduling harvests:

Harvesting, which can also be referred to as indexing, is the process or task by which IBM StoredIQ examines and classifies data in your network. Using IBM StoredIQ Administrator, harvests can be scheduled, edited, and deleted.

## Creating system infosets:

System infosets that use only specific indexed volumes can be created and managed within IBM StoredIQ Administrator. Although infosets are a core component of IBM StoredIQ Data Workbench, system infosets are created as a shortcut for users in IBM StoredIQ Administrator.

## Managing users:

The user management area allows administrators to create users and manage users' access to the various IBM StoredIQ applications.

## Configuring and managing actions:

An action is any process that is taken upon the data that is represented by the indexes. Actions are run by data servers on indexed data objects. Any errors or warnings that are generated as a result of an action are recorded as exceptions in IBM StoredIQ Data Workbench.

 **Note:** Actions can be created within IBM StoredIQ Administrator and then made available to other IBM StoredIQ applications such as IBM StoredIQ Data Workbench.

## Managing target sets:

Provides an interface that allows the user to set the wanted targets for specific actions that require a destination volume for their actions.

## Reports:

IBM StoredIQ Administrator provides a number of built-in reports, such as summaries of data objects in the system, storage use, and the number of identical documents in the system. You can create custom reports, including Query Analysis Reports for e-discovery purposes, and automatically email report notifications to administrators and other interested parties.

## Auto-classification:

Automated document categorization, what IBM StoredIQ refers to as autoclassification models, integrates the IBM® Content Classification's classification model into the IBM StoredIQ infoaset-generation process. Data Experts can use IBM Content Classification to train a classification model, which is then registered with IBM StoredIQ Administrator. The registered classification model can be applied to an existing infoaset in IBM StoredIQ Data Workbench to generate new metadata for the objects in the infoaset. Metadata can be used in rule-based filters to create new infoasets.

## Cartridges

Cartridges are compressed files that contain analysis logic. When you add a cartridge to IBM StoredIQ AppStack, it can detect new data in documents during indexing and make these new insights searchable. For example, a sensitive pattern cartridge can enable IBM StoredIQ to detect passport numbers, phone numbers, and other IDs.

To apply the analysis logic contained in the cartridge, you must run a Step-up Analytics action that uses the cartridge on an infoaset. IBM StoredIQ examines all documents in the infoaset, applies the analytics, and then stores the analysis results in the IBM StoredIQ index.

## Managing concepts:

Provides the ability to relate business concepts to indexed data.

## Managing Mule scripts

Helps you to create Mule scripts and upload script packages. These Mule scripts are used by IBM StoredIQ Policy Manager to create policies using the automation workflow.

## DataServer - Classic:

Data servers can be categorized in two types: DataServer - Classic and DataServer - Distributed. DataServer - Classic refers to the regular data servers. It uses either the current PostgreSQL or Lucene index as an index.

## DataServer - Distributed:

The distributed data server uses an Elasticsearch cluster instead of an embedded Postgres database. It increases the scalability and flexibility of the IBM StoredIQ deployment in a way that it can manage much larger amounts of data. Without adding more data servers, data that is managed by the IBM StoredIQ deployment can be increased by adding new nodes to the Elasticsearch cluster. Search queries perform better on DataServer - Distributed.

## Connector API SDK:

A connector is a software component of IBM StoredIQ that is used to connect to a data source such as a network file system and access its data. Using IBM StoredIQ Connector API SDK, developers of other companies can develop connectors to new data sources outside the IBM StoredIQ development environment. These connectors can be integrated with a live IBM StoredIQ application to index, search, manage, and analyze data on the data source.

## IBM StoredIQ Data Workbench

Big data is a pervasive problem, not a one-time occurrence. It is easy for most companies to realize that big data is problematic, but it is hard to identify what problems they have. Big data is all about the unknown, but the unknown cannot be off limits. IBM StoredIQ Data Workbench can help you learn about your data, make educated decisions with your most valuable asset, and turn your company's most dangerous risk into its most valuable asset.

IBM StoredIQ Data Workbench is a data visualization and management tool that helps you to actively manage your company's data. It helps you to determine how much data you have, where it is, who owns it, and when it was last used. When you have a clear understanding of your company's data landscape, IBM StoredIQ Data Workbench helps you take control of data. You can make informed decisions about your data and act on that knowledge by copying, copying to retention, or conducting a discovery export.

Here are just some examples of how you can use IBM StoredIQ Data Workbench.

- You need to find all company email that is sent from or received by Eileen Sideways (esideways@thecompany.com). You can use IBM StoredIQ Data Workbench to find all email and then copy that data to a predefined repository. You can also use IBM StoredIQ Data Workbench to find all of the esideways@thecompany.com email that occurred between specific dates and then make that email available for review.
- As an administrator, you want to rid your networks and storage of unused data. You can use IBM StoredIQ Data Workbench to find all files that were not modified in more than five years.

- You want to find all image files that are created in 2007. Not only can IBM StoredIQ Data Workbench find all image files that were created in 2007. It also shows how much space they occupy on your network.
- A user needs to understand how data about Windows is being retained. Using IBM StoredIQ Data Workbench, you can provide that user with a visual overview of the number of objects that are retained and a breakdown of files per data source. Additionally, you can apply overlays to show the user if those files contain forbidden information such as credit-card numbers or Social Security numbers.
- If IBM StoredIQ is configured accordingly, you can select the info sets and filters that are published to the governance catalog for unified governance of structured and unstructured information. When integrating with Information Governance Catalog, you can also analyze and classify the data governed by IBM StoredIQ based on the data classes that are synchronized from the governance catalog.

## IBM StoredIQ Insights

IBM StoredIQ Insights provides dynamic and interactive filtering for your data with easy access to all metadata and instant plain-text preview of document content for full-text indexed volumes.

Faceted search lets you drill down to refine your search results as needed. In addition, you can apply any valid IBM StoredIQ filter query. Tags let you categorize the data for easier management. Visual representations of search results help you gain further insights into your data. Several chart types let you look at and explore data from different perspectives, thus helping you identify patterns and relationships very quickly.

With IBM StoredIQ Insights, you can search data that is managed and indexed by a data server of the type DataServer - Distributed. In mixed deployments that have classic and distributed data servers, only the content from distributed data servers will be searchable.

## IBM StoredIQ Policy Manager

IBM StoredIQ Policy Manager allows users to run mature policies and processes at scale across a wider range of data.

The users can define and run systemwide policies, focusing on the execution of the process rather than understanding or reviewing affected data objects. Additionally, with reports of IBM StoredIQ Policy Manager, you can record what actions were conducted, when they were conducted, and what data was affected by the policy's execution.

## IBM StoredIQ Desktop Data Collector

IBM StoredIQ Desktop Data Collector (also referred to as desktop client indexes desktops as volumes. The volumes appear in IBM StoredIQ Data Server and in IBM StoredIQ Administrator, where they can be used like any other data source.

The data server maintains an index using the information sent by the desktop client. After indexing, desktops - even offline or unreachable ones - can be viewed, searched, or targeted for later policy action.



# Chapter 6. Planning for deployment

## Planning for Deployment

When you plan a deployment of IBM StoredIQ, evaluate several infrastructure considerations.

In addition to the information in this section, review the requirements detailed in the IBM Software Product Compatibility Reports (SPCR) tool at: [Software Product Compatibility Reports: StoredIQ 7.6](#)

If you plan to use IBM StoredIQ for Legal Identification and Collection to create and manage data boxes and data requests that are to be fulfilled by IBM StoredIQ, also check the system requirements for StoredIQ for Legal at: [Software Product Compatibility Reports: StoredIQ for Legal 2.0.3](#)

### Generate customized reports with the SPCR tool

Go to the page at [Software Product Compatibility Reports](#) to create a high-level report for supported operating systems, related software, hypervisors, and supported translations for any product. You can also create an in-depth report to get detailed system requirements, hardware requirements, and end of service information for each product. You can search for a product in all of the report types and reports are generated based on your query values.

The following report types are the most commonly generated reports from software product compatibility reports:

#### Detailed system requirements

When you select your product version for the detailed system requirements report, you can set a report filter for **Operating system platforms**, **Product components**, and **Capabilities**, including prerequisites and support software. After you view the report, you can save it as a URL to generate anytime or download it as a PDF.

#### Hardware requirements

When you select your product version for the hardware requirements report, you can set a report filter by the **Operating system families** option. Set the operating system filter by selecting some or all of the operating systems that are supported by your product. After you view the report, you can save it as a URL to generate anytime or download it as a PDF.

#### End of service

The end of service report shows the service window of the products that you specify over an eightyear span. For example, you can find out when your product is scheduled to go out of service.