# Project2

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# Chapter 1. About this publication

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

### IBM StoredIQ product library

The following documents are available in the IBM® StoredIQ® product library.

- *IBM StoredIQ Overview Guide*
- *IBM StoredIQ Deployment and Configuration Guide*
- *IBM StoredIQ Data Server Administration Guide*
- *IBM StoredIQ Administrator Administration Guide*
- *IBM StoredIQ Data Workbench User Guide*
- *IBM StoredIQ Policy Manager User Guide*
- *IBM StoredIQ Insights User Guide*
- *IBM StoredIQ Integration Guide*

# 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

# Chapter 2. 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)

Gateway *(on page 3)*

Data Servers *(on page 3)*

Application stack *(on page 3)*

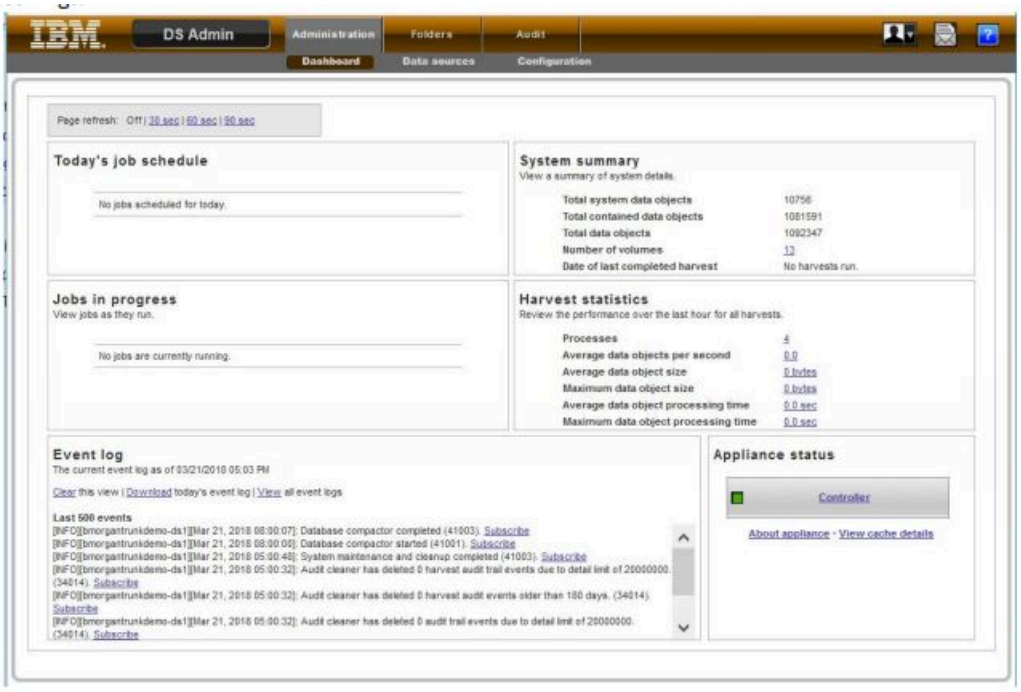
Elasticsearch cluster *(on page 3)*

## 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.



# Gateway

The gateway communicates between the data servers and the application stack. The application stack polls the gateway for information about the data on the data servers. The data servers push the information to the gateway.

# Data Servers

A data server obtains the data from supported data sources and indexes it. By indexing this data, you gain information about unstructured data such as file size, file data types, file owners.

The data server pushes the information about volumes and indexes to the gateway so it can be communicated to the application stack. Multiple data servers feed into a single gateway.

Data servers can be categorized in two types: DataServer - Classic and DataServer - Distributed. A data server of the type DataServer - Classic uses the embedded PostgreSQL database for storing the index. With a data server of the type DataServer - Distributed, the index is stored in an Elasticsearch cluster. Data servers of this type also provide better performance in search queries. They can manage much larger amounts of data than data servers of the type DataServer - Classic, thus making the IBM StoredIQ deployments more scalable.

You can have both types of data servers in your IBM StoredIQ deployment.

In addition to completing standard administrative tasks, administrators can deploy the IBM StoredIQ Desktop Data Collector and index desktops from the data server.

# Application stack

The application stack provides the user interface for the IBM StoredIQ Administrator, IBM StoredIQ Data Workbench, IBM StoredIQ Insights, and the IBM StoredIQ Policy Manager products.

The synchronization feature for integration with a governance catalog is also part of the application stack.

# Elasticsearch cluster

The Elasticsearch cluster attached to a data server of the type DataServer - Distributed provides a single data store for all metadata and content of harvested objects. Indexed data is distributed automatically across the nodes in the cluster. Indexing and queries are load-balanced across all

nodes. Nodes can be added dynamically without downtime and the indexing process can use these newly added nodes without further setup.