Solr Connected System Plugin

This plugin allows you to connect with externally hosted Solr servers to execute searches, create and delete document indices. To connect with the Solr tool hosted externally, the plugin requires basic authentication credentials, username and password and the host url and port.

Setting Up Basic Authentication in Solr

To use Basic authentication, you must first create a security.json file. This file and where to put it is described in detail in the section Enable Plugins with security.json.

For Basic authentication, the security.json file must have an authentication part which defines the class being used for authentication. Usernames and passwords (as a sha256(password+salt) hash) could be added when the file is created, or can be added later with the Basic authentication API, described below.

The authorization part is not related to Basic authentication, but is a separate authorization plugin designed to support fine-grained user access control. For more information, see the section Rule-Based Authorization Plugin.

If you are using SolrCloud, you must upload security.json to ZooKeeper. An example command and more information about securing your setup can be found at Authentication and Authorization Plugins In SolrCloud Mode.

For more information about enabling basic authentication in Solr, refer to this [link](#).

Connected System

Create Connected System

solr

Solr

Solr

Establishes the connection between Solr and Appian and perform searching and indexing of documents.
Version: 1

Name *

SSA CS Solr Bare Http

Description

Solr Configuration

Host URL *

[redacted]

Enter the host URL.

Port *

[redacted]

Specify the port.

Username *

[redacted]

Specify the Username.

Password

********** (Clear)

Enter the password.

TEST CONNECTION

CANCEL   USE IN NEW INTEGRATION   SAVE

Use the credentials obtained after setting up Basic authentication in Solr cloud. The port must point to the port number where the API requests are enabled. This is by default 8983. Click on the Test credentials button to verify the credentials.

Available Integrations

1. Search Solr Collection
2. Index Solr Collection
3. Upload Document
4. Delete Index

Search Solr Collection

This integration runs the provided search query on the specified collection in Solr. The Collection Name parameter must point to a valid collection in Solr cloud and is mandatory. By default, te Query parameter has the value "*:*" which retrieves all the documents in the collection.

Index Solr Collection

This integration updates or creates a new index on the specified collection. Indices in Solr are the locations where the document's content is stored in order for searching operations.

Connected System *

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Operation *

Index Solr Collection ▾

Index the specified Solr collection.

Collection Name *

[REDACTED]

Enter the collection name to index.

Result Request Response

✅ Result

Success!

Time

66 ms
Prepare: < 1 ms - **Execute**: 66 ms (*Send | Wait | Receive*: 64 ms) - **Transform**: < 1 ms

Value

▾ Dictionary
    success **true** (Boolean)
    ▾ result Dictionary
        ▾ responseHeader Dictionary
            QTime **41** (Number (Integer))
            status **0** (Number (Integer))
        error **null** (Null)
    authType Diagnostic

Upload Document

This integration allows you to upload documents to the specified Solr collection to be indexed and searched. The Collection Name must point to a valid and existing collection and mandatory. The ID parameter is optional. By default the name of the file will be taken as the value for ID if it is not specified.

Connected System *

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Operation *

Upload Document ▾

Upload document to Solr to index and search.

Collection Name *

[REDACTED]

Enter the collection name where the file is to be uploaded.

Document *

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Select a document to upload.

ID

test

Provide the document ID.

Result Request Response

✅ Result

Success!

Time

3,153 ms
Prepare: < 1 ms - **Execute**: 3,152 ms (*Send | Wait | Receive*: 3,143 ms) - **Transform**: 1 ms

Value

▾ Dictionary
    success **true** (Boolean)
    ▾ result Dictionary
        ▾ responseHeader Dictionary
            QTime **2923** (Number (Integer))
            rf **2** (Number (Integer))
            status **0** (Number (Integer))
        error **null** (Null)
    authType Diagnostic

Delete Index

This integration runs a delete query on the specified collection in Solr cloud. The Query and Collection parameters are required and must be valid.

Connected System *

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Operation *

Delete Index ▼

Delete the index from the specified Solr collection.

Collection *

▬▬▬▬▬▬▬

Enter the collection name.

Query *

id: test

Enter the selection query.

✅ Result   Request   Response

Success!

Time

136 ms

Prepare: < 1 ms - **Execute**: 136 ms (*Send* | *Wait* | *Receive*: 134 ms) - **Transform**: < 1 ms

Value

▾ Dictionary
    success **true** (Boolean)
    ▾ result Dictionary
      ▾ responseHeader Dictionary
        QTime **117** (Number (Integer))
        rf **2** (Number (Integer))
        status **0** (Number (Integer))
    error **null** (Null)
    authType Diagnostic