AWS S3 CONNECTOR

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AWS S3 Connector enables to connect BPM process to Amazon's Simple Storage Service that allows to perform retrieve operations. Currently, the AWS S3 Connector supports 3 types of retrieve operations: ListObjects, ListBuckets, GetObject.

PREREQUISITE

To use an **AWS S3 Connector**, need to have AWS Account Credentials, AWS Region, and Bucket Name. See the AWS S3 developer guide to learn more.

The component requires the following credentials to authenticate with the AWS services:

AWS ACCESS KEY - this is your Access Key ID when you created the AWS account.

AWS ACCESS SECRET - this is your Secret access key given to you during the key creation.

SETTING UP CONNECTOR IN THE WORKFLOW

1) Load the connector template Json available in Git repo (aws-s3-connector\element-templates\ aws-s3-via-camel-template.json) into Camunda 8 (SAAS/Self-Managed)
2) Apply the connector template on a service task which can be used to perform AWS S3 operations in the workflow.

OPERATIONS

LIST OBJECTS

The operation lists the objects in a specific bucket.

STEPS TO CONFIGURE

1. In **AWS Authentication** Section, set the AWS Account Credentials – Access key, Secret key, and Region.

2. In **AWS** Section, select the **"listObjects"** operation type from the dropdown and set the Bucket Name from which the list of Objects needs to be retrieved.

3. In **Output Mapping** Section, set the variable name in **"Result Variable"** field to store the response in a process variable.

LIST BUCKETS

The operation lists the buckets for this account in a specified region.

STEPS TO CONFIGURE

1. In **AWS Authentication** Section, set the AWS Account Credentials – Access key, Secret key, and Region.

2. In **AWS** Section, select the **"listBuckets"** operation type from the dropdown and set the Bucket Name.

3. In Output Mapping Section, set the variable name in **"Result Variable"** field to store the response in a process variable.
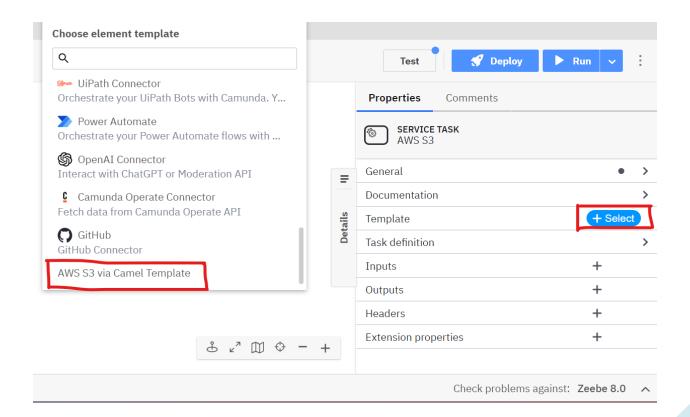
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GET OBJECT

The operation retrieves a single object metadata from a specified bucket.
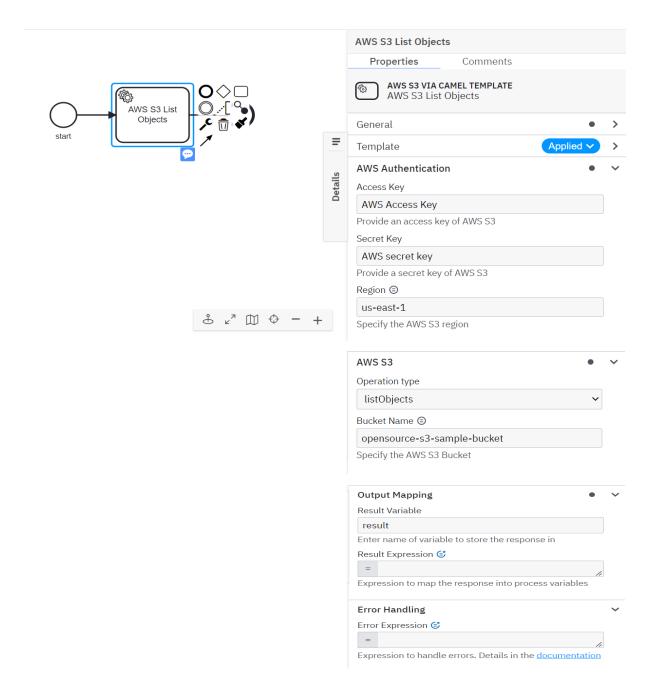
STEPS TO CONFIGURE

1. In **AWS Authentication** Section, set the AWS Account Credentials – Access key, Secret key, and Region.

2. In **AWS** Section, select the **"getObject"** operation type from the dropdown.

3. set the **Bucket Name** field with the bucket from which object needs to be retrieved and **Key** field with Object Key value whose metadata needs to be retrieved.

4. In **Output Mapping** Section, set the variable name in **"Result Variable"** field to store the response in a process variable.
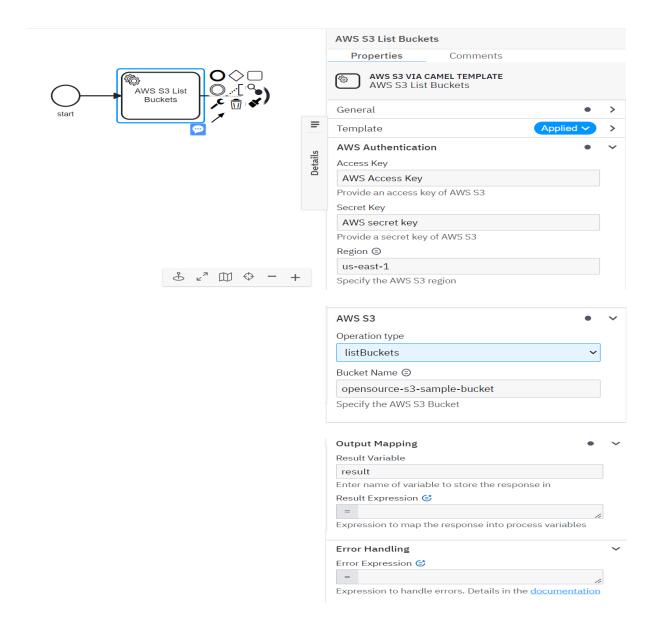
SAMPLE SCREENSHOTS

1) Choose a template for service task

2) Enter the Config details as shown below for AWS S3 List Objects

AWS S3 List Objects

| Properties | Comments |

AWS S3 VIA CAMEL TEMPLATE
AWS S3 List Objects

General ● >

Template Applied ∨ >

AWS Authentication ● ∨

Access Key

AWS Access Key

Provide an access key of AWS S3

Secret Key

AWS secret key

Provide a secret key of AWS S3

Region ⊖

us-east-1

Specify the AWS S3 region

AWS S3 ● ∨

Operation type

listObjects ∨

Bucket Name ⊖

opensource-s3-sample-bucket

Specify the AWS S3 Bucket

Output Mapping ● ∨

Result Variable

result

Enter name of variable to store the response in

Result Expression ↺

=

Expression to map the response into process variables

Error Handling ∨

Error Expression ↺

=

Expression to handle errors. Details in the documentation

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3) Enter the Config details as shown below for AWS S3 List Buckets

4) Enter the Config details as shown below for AWS S3 Get Object