

AWS S3 CONNECTOR

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CONNECTOR DETAILS:

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

The screenshot displays the Zeebe IDE interface. On the left, the 'Choose element template' dialog is open, showing a list of connectors. The 'AWS S3 via Camel Template' is highlighted with a red box. On the right, the 'Properties' panel for the 'SERVICE TASK AWS S3' is visible. The 'Template' section is expanded, and the '+ Select' button is highlighted with a red box. The 'Details' panel on the left shows the 'Template' section expanded, and the '+ Select' button is highlighted with a red box. The bottom status bar indicates 'Check problems against: Zeebe 8.0'.

Choose element template

Search

- UiPath Connector
Orchestrate your UiPath Bots with Camunda. Y...
- Power Automate
Orchestrate your Power Automate flows with ...
- OpenAI Connector
Interact with ChatGPT or Moderation API
- Camunda Operate Connector
Fetch data from Camunda Operate API
- GitHub
GitHub Connector
- AWS S3 via Camel Template**

Test Deploy Run

Properties Comments

SERVICE TASK AWS S3

Details

- General
- Documentation
- Template **+ Select**
- Task definition
- Inputs +
- Outputs +
- Headers +
- Extension properties +

Check problems against: Zeebe 8.0

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

The screenshot shows a workflow editor interface. On the left, a canvas displays a 'start' node connected to an 'AWS S3 List Objects' connector node. The connector node is highlighted with a blue border. To the right of the canvas is a 'Details' sidebar with a vertical menu. The main configuration panel on the right is titled 'AWS S3 List Objects' and contains the following sections:

- Properties**: Includes a tab for 'Comments' and a section for 'AWS S3 VIA CAMEL TEMPLATE' with the name 'AWS S3 List Objects'.
- General**: A section with a dropdown arrow.
- Template**: A section with a dropdown arrow and a blue 'Applied' button.
- AWS Authentication**: A section with a dropdown arrow containing:
 - Access Key**: A text input field labeled 'AWS Access Key' with the instruction 'Provide an access key of AWS S3'.
 - Secret Key**: A text input field labeled 'AWS secret key' with the instruction 'Provide a secret key of AWS S3'.
 - Region**: A text input field labeled 'us-east-1' with the instruction 'Specify the AWS S3 region'.
- AWS S3**: A section with a dropdown arrow containing:
 - Operation type**: A dropdown menu set to 'listObjects'.
 - Bucket Name**: A text input field labeled 'opensource-s3-sample-bucket' with the instruction 'Specify the AWS S3 Bucket'.
- Output Mapping**: A section with a dropdown arrow containing:
 - Result Variable**: A text input field labeled 'result' with the instruction 'Enter name of variable to store the response in'.
 - Result Expression**: A text input field with an equals sign and a blue icon, with the instruction 'Expression to map the response into process variables'.
- Error Handling**: A section with a dropdown arrow containing:
 - Error Expression**: A text input field with an equals sign and a blue icon, with the instruction '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

The screenshot shows a workflow editor with a canvas on the left and a configuration panel on the right. On the canvas, a 'start' node is connected to an 'AWS S3 List Buckets' connector node, which is highlighted with a blue border. Below the canvas is a toolbar with icons for copy, paste, delete, and zoom. The configuration panel on the right is titled 'AWS S3 List Buckets' and has two tabs: 'Properties' and 'Comments'. The 'Properties' tab is active and shows the following sections:

- General**: Contains a 'Template' dropdown set to 'Applied'.
- AWS Authentication**: Contains fields for 'Access Key' (AWS Access Key), 'Secret Key' (AWS secret key), and 'Region' (us-east-1).
- AWS S3**: Contains an 'Operation type' dropdown set to 'listBuckets' and a 'Bucket Name' field set to 'opensource-s3-sample-bucket'.
- Output Mapping**: Contains a 'Result Variable' field set to 'result' and a 'Result Expression' field set to '='.
- Error Handling**: Contains an 'Error Expression' field set to '='.

The configuration panel also includes a 'Details' sidebar on the left and a 'Comments' tab on the right.

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

The screenshot shows a workflow editor with a canvas on the left and a configuration panel on the right. The canvas contains a 'start' node connected to an 'AWS S3 Get Object' connector, which is highlighted with a blue border. To the right of the canvas is a toolbar with icons for adding, deleting, and editing nodes. The configuration panel is titled 'AWS S3 Get Object' and has two tabs: 'Properties' and 'Comments'. The 'Properties' tab is active and shows the following sections:

- General**: Contains a 'Template' dropdown set to 'Applied'.
- AWS Authentication**: Contains fields for 'Access Key' (AWS Access Key), 'Secret Key' (AWS secret key), and 'Region' (us-east-1).
- AWS S3**: Contains fields for 'Operation type' (getObject), 'Bucket Name' (opensource-s3-sample-bucket), and 'Key' (index.html).
- Output Mapping**: Contains a 'Result Variable' field (result) and a 'Result Expression' field (=).
- Error Handling**: Contains an 'Error Expression' field (=).

The configuration panel also includes a 'Details' sidebar on the left and a 'Comments' tab on the right.