

S3 Adapter

PAS 23.1 The Designer provides means to access S3 file storage services, e.g. as a part of Amazon AWS or other implementation. S3 support is native and you do not need to install client tools or drivers. Also, your PAS system comes with a MiniIO installation **minio** pre-installed that you can use out of the box.

Using the S3 Adapter, you can

Task	Adapter Operation	Documentation Reference	Remarks
Create buckets	create Bucket	Creating a Bucket	The name of the bucket must match the S3 naming rules.
Store and retrieve objects from and to a bucket	putObject getObject	Storing an Object to a Bucket Retrieving an Object From a Bucket	- The bucket may be versioned or not. - The stored data may be provided directly or come from a file.
Copy objects between buckets	copyObject	Copying an Object Between Buckets	Source and target bucket cannot be the same.
List buckets and objects	listBuckets listObjects	Listing all Available Buckets Reading the Contents of a Bucket Listing all Objects Within a Bucket	
Delete buckets and objects within buckets	deleteBucket deleteObject	Deleting a Bucket Deleting an Object From a Bucket	- Buckets may be deleted recursively. - Objects can be deleted as well as object versions.
Get status information on buckets and objects	bucketStatus objectStatus	Retrieving Bucket Information Retrieving Object Information	

To use the S3 adapter it is helpful if you are familiar with the concepts of S3.

Adding an S3 Adapter Operation to a Diagram

On this Page:

- [Adding an S3 Adapter Operation to a Diagram](#)
- [Configuring the S3 Adapter Operation](#)

S3Adapter_ProductExport_Example



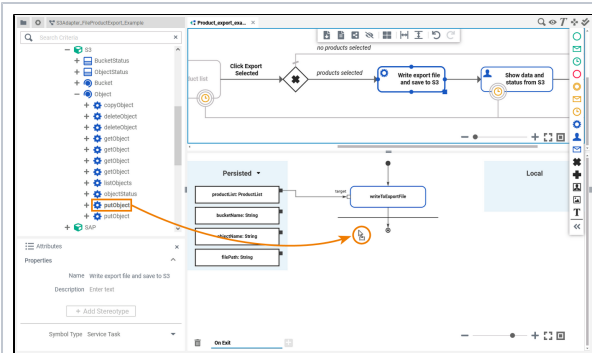
Click the icon to download a simple example model that shows the usage of the S3 adapter in **Scheer PAS Designer**.

Related Pages:

- [Handling of S3 Buckets](#)
- [Handling of S3 Objects](#)
- [S3 Adapter Reference](#)

-  Bridge Base
 -  Base Components
 -  Add Ons
 - +  FileSystem
 - +  FlatFile
 - +  HTTP
 - +  JSON
 - +  Kafka
 - +  Logger
 - +  Memory
 - +  MongoDB
 - +  REST
 -  S3
 - +  BucketStatus
 - +  ObjectStatus
 -  Bucket
 - +  bucketStatus
 - +  createBucket
 - +  deleteBucket
 - +  listBuckets
 - +  listObjects
 -  Object
 - +  copyObject
 - +  deleteObject
 - +  deleteObject
 - +  getObject
 - +  getObject
 - +  getObject
 - +  getObject
 - +  listObjects
 - +  objectStatus
 - +  putObject
 - +  putObject
- +  SAP
- +  URL

Expand the path to the S3 adapter in the service panel (**Base Types /Bridge Base /Base Components /Add Ons /S3**).



You can drag out operations from the data model to any diagram:

- BPMN execution diagram
- mapping diagram
- activity diagram

The example on the left shows how to add a S3 adapter operation to an BPMN execution diagram.

Configuring the S3 Adapter Operation

Once an operation has been added to a diagram, it needs to be configured as a S3 adapter.

Attributes

Properties

Name putObject

+ Add Stereotype

Symbol Type Execution Step

Select the newly added S3 adapter operation and switch to the **Attributes** panel. Depending on the diagram type you can see the following information (example BPMN execution diagram):

Attribute	Description	Allowed Values / Example
Name	The name of the S3 adapter operation.	putObject
Symbol Type	Operations added to a execution diagram are execution steps.	Execution Step

Attributes

Properties

Name putObject

+ Add Stereotype

Symbol Type Execution Step

Click **Add Stereotype** to define the selected operation as to be an S3 adapter.

Select Stereotype

☐ File System Adapter

☐ Flat File Adapter

☐ Kafka Producer Adapter

☐ Logger

☐ Memory Adapter

☐ MongoDB Adapter

☐ REST Adapter

☒ S3

☐ SAP IDoc Composer

☐ SAP IDoc Parser

☐ SAP IDoc Record Composer

☐ SAP IDoc Record Parser

☐ SAP RFC Adapter

☐ SAP TRFC Adapter

☐ SAP TRFC Confirm Transaction

☐ SAP TRFC Create Transaction

☐ SAP XML IDoc Composer

☐ SAP XML IDoc Parser

☐ SQL Adapter

☐ TIBCO Adapter

Save

Cancel

Select **S3** from the list of available adapter stereotypes.
Click **Save**.

Attributes

Properties

Name putObject

S3

+ Add Stereotype

Symbol Type Execution Step

The **Attributes** panel shows the added adapter stereotype. Now you still need to configure the adapter.

Expand the stereotype by clicking the arrow on the right.

Attributes

Properties

Name

putObject

S3

alias

Select alias

▼

+

action

+

+ Add Stereotype

Symbol Type

Execution Step

An S3 adapter is configured via its **alias** (see [Aliases](#) for more information on aliases).

See further information below and on page [S 3 Adapter Reference](#). The adapter option **action** derives from the used operation. Do not configure this.

Attributes

Properties

Name

putObject

S3

alias

None

PAS_MinIO

action

+

+ Add Stereotype

Symbol Type

Execution Step

You can select an existing alias from a drop-down list by clicking the text **Select alias**.

Attributes

Properties

Name

putObject

S3

alias

Select alias

▼

+

action

+

+ Add Stereotype

Symbol Type

Execution Step

Alternatively, you can also create and add a new alias by clicking the corresponding **+** icon.

Refer to [Aliases](#) for more information on how to create a new alias.

Add Alias

Name:

Standard



Authentication



SSL / TLS



Proxy



Proxy Authentication



Proxy SSL / TLS



Save



Cancel

A dialog opens where you can name and configure the new alias.
Refer to [S3 Adapter Reference](#) for more information on the configuration options of this adapter.

Click **Save** to create and add the new alias.