

S3

Stereotype Attributes

S3 Alias

| Attribute | Description | Allowed Values / Examples | |
|----------------------------|---|--|---|
| Name | Specify a name for the alias. | any string | |
| Standard | | | |
| endpointOverride | Specify hostname and port (if necessary) of the S3 endpoint. | minio:9000 | |
| scheme | Specify the protocol to access the S3 endpoint specified with endpointOverride . | http | Use the HTTP protocol. |
| | | https | Use the HTTPS protocol (default). |
| region | Specify the Amazon region your S3 is hosted in (if necessary). | | |
| followRedirectsPolicy | Specify the redirect behavior of requests to the S3 endpoint. | DEFAULT | Sets the behaviors of the underlying HTTP clients handling response with 30x status code. |
| | | ALWAYS | Always redirect. |
| | | NEVER | Never redirect. |
| disableExpectHeader | Specify whether the "Expect: 100-Continue" should not be added your request to the S3 endpoint. | true | Do not add an "Expect: 100-Continue" header to the request. |
| | | false | Add an "Expect: 100-Continue" header to the request. |
| disableInternalIMDSv1Calls | Specify if you want to skip IMDSv1 calls. This calls are used to discover a default region. | true | Skip IMDSv1 calls. |
| | | false | Execute IMDSv1 calls. |
| Authentication | | | |
| user | Specify the user that will be used to access the S3 endpoint. | aMinioUser | |
| password | Specify the password of user . | aMinioPassword | |
| Proxy | | | |
| proxyHost | Specify the URL of the proxy server. | See CURLOPT_PROXY . | |
| proxyPort | Specify the proxy port. | See CURLOPT_PROXY . | |
| proxyScheme | Specify the proxy protocol. | See CURLOPT_PROXY . | |
| | | http | Use the HTTP protocol. |
| | | https | Use the HTTPS protocol (default). |
| Proxy Authentication | | | |
| proxyUser | Specify the proxy user. | See CURLOPT_PROXYUSERPWD . | |
| proxyPassword | Specify the proxy password. | See CURLOPT_PROXYUSERPWD . | |
| Proxy SSL / TLS | | | |
| proxyCertificateFile | Specify a file name containing the proxy certificate. | | |
| proxyCertificateType | Specify the type of the certificate. | | |
| proxySSLKeyFile | Specify a file name containing the private key. | | |

On this Page:

- [Stereotype Attributes](#)
 - [S3 Alias](#)
 - [S3 Adapter](#)
- [S3 Adapter Bucket Operations](#)
 - [bucketStatusOperation](#)
 - [createBucketOperation](#)
 - [deleteBucketOperation](#)
 - [listBucketsOperation](#)
 - [listObjectsOperation](#)
- [S3 Adapter Object Operations](#)
 - [copyObjectOperation](#)
 - [deleteObjectOperations](#)
 - [getObjectOperations](#)
 - [listObjects](#)
 - [objectStatus](#)
 - [putObject](#)
- [S3 Adapter Parameter Types](#)
 - [BucketStatus](#)
 - [ObjectStatus](#)

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](#)

| | | | |
|-------------------------------------|---|--------------|---------------------|
| proxySSLKey | Specify the type of the key. | | |
| proxySSLKeyPassword | Specify the password for the private key. | | |
| SSL / TLS | | | |
| certificateAuthorityPath | Specify the path to your certificate trust store. | | |
| certificateAuthorityFilePath | Specify the path to the certificate authority. | | |
| verifySSL | Specify whether to disable SSL checks. This is for testing purposes only and should not be disabled in productive environments. | true | Perform SSL checks. |
| | | false | Disable SSL checks. |

S3 Adapter

| Attribute | Description | Allowed Values |
|---------------|---|------------------|
| alias | Specify the S3 alias the adapter should use to establish the connection. | a valid S3 alias |
| action | <div>  The adapter action derives from the used operation. Do not configure this. </div> | |

S3 Adapter Bucket Operations

bucketStatus Operation


If the bucket you want to get the status of is not existing, an exception is thrown.

- `bucketStatus (bucketName: String, bucketStatus : BucketStatus)`

| Name | Type | Direction | Description | Allowed Values / Examples |
|---------------------|------------------------------|-----------|---|---------------------------|
| bucketName | String | in | Name of the bucket to get the status of. | |
| bucketStatus | BucketStatus | out | Object containing the status information as described further below . | |

createBucket Operation

- `bucketName (bucketName: String)`

| Name | Type | Direction | Description | Allowed Values / Examples |
|-------------------|--------|-----------|---|---|
| bucketName | String | in | Name of the bucket to create. <div>  The name of the bucket should be prefixed with the PAS client. </div> | If a bucket with the same name is already existing or if the bucket name does not match the S3 bucket naming rules, an exception is thrown. pas-doc-examples |

deleteBucket Operation

- `deleteBucket (bucketName: String, deleteRecursively : Boolean)`

| Name | Type | Direction | Description | Allowed Values / Examples | |
|--------------------------|---------|-----------|---|--|---|
| bucketName | String | in | Name of the bucket to delete. | There will be no exception if the bucket you want to delete is not existing. | |
| deleteRecursively | Boolean | in | With S3, as a rule, only empty buckets can be deleted. Specify here whether to delete the bucket and all of its contents in one go. | true | Delete the bucket and all its contents. |
| | | | | false | Bucket must be empty to be deleted (default). |

listBuckets Operation

- `listBuckets (bucketNames: String[])`

| Name | Type | Direction | Description | Allowed Values / Examples |
|--------------------|-----------------|-----------|--|---------------------------|
| bucketNames | Array of String | out | List of buckets that are available from the specified S3 endpoint. | |

listObjects Operation

- `listObjects (bucketName: String, objectNames: String[])`

| Name | Type | Direction | Description | Allowed Values / Examples |
|--------------------|-----------------|-----------|--|--|
| bucketName | String | in | Name of the bucket to list the contents of. | If the bucket is not existing, an exception is thrown. |
| objectNames | Array of String | out | List of objects that reside within the given bucket. | |

S3 Adapter Object Operations

copyObject Operation

- `copyObject (bucketName : String, objectName : String, targetBucketName : String)`

| Name | Type | Direction | Description | Allowed Values / Examples |
|-------------------------|--------|-----------|--|--|
| bucketName | String | in | Name of the bucket to copy an object from. | If the bucket is not existing, an exception is thrown. |
| objectName | String | in | Name of the object to be copied. | If the object is not existing, an exception is thrown. |
| targetBucketName | String | in | Name of the bucket to copy the selected object to. | If the bucket is not existing, an exception is thrown. Also, the target bucket must differ from the source bucket. |

deleteObject Operations

- `delete (bucketName : String, objectName : String)`
- `delete (bucketName : String, objectName : String, version : String)`

| Name | Type | Direction | Description | Allowed Values / Examples |
|------|------|-----------|-------------|---------------------------|
|------|------|-----------|-------------|---------------------------|

| | | | | |
|-------------------|--------|----|---|--|
| bucketName | String | in | Name of the bucket to delete an object from. | If the bucket is not existing, an exception is thrown. |
| objectName | String | in | Name of the object to delete. | If the object is not existing, no exception will be thrown. |
| version | String | in | For versioned buckets: Specify here the identifier of the object version to delete. If no version is specified for a versioned bucket, a new delete marker is created and the object is marked as deleted (see deleteMarkers). | If the version is not existing, an exception is thrown. |

getObject Operations

- `getObject (bucketName : String, objectName : String, filePath : String)`
- `getObject (bucketName : String, objectName : String, filePath : String, version : String)`
- `getObject (bucketName : String, objectName : String, objectData: Blob)`
- `getObject (bucketName : String, objectName : String, version : String, objectData: Blob)`

| Name | Type | Direction | Description | Allowed Values / Examples |
|-------------------|--------|-----------|---|--|
| bucketName | String | in | Name of the bucket to get an object from. | If the bucket is not existing, an exception is thrown. |
| objectName | String | in | Name of the object to get. | If the object is not existing, an exception is thrown. |
| filePath | String | in | Path of the file on the local filesystem (in service context) to store the retrieved object to. | If the file path cannot be accessed, an exception is thrown. |
| version | String | in | Version of the object to get. If no version is specified, the latest version is retrieved. | If the version is not existing, an exception is thrown. |
| objectData | Blob | out | Blob containing the contents of the retrieved object data. | |

listObjects

- `listObjects (bucketName: String, objectNames: String[])`

| Name | Type | Direction | Description | Allowed Values / Examples |
|--------------------|-----------------|-----------|--|--|
| bucketName | String | in | Name of the bucket to list the contents of. | If the bucket is not existing, an exception is thrown. |
| objectNames | Array of String | out | List of objects that reside within the given bucket. | |

objectStatus

- `objectStatus (bucketName: String, objectName: String, objectStatus : ObjectStatus)`

| Name | Type | Direction | Description | Allowed Values / Examples |
|---------------------|------------------------------|-----------|---|--|
| bucketName | String | in | Name of the bucket the object resides in. | If the bucket is not existing, an exception is thrown. |
| objectName | String | in | Name of the object to get the object status of. | If the object is not existing, an exception is thrown. |
| objectStatus | ObjectStatus | out | Object containing the status information as described further below . | |

putObject

If the bucket is not versioned, the object is updated without any further warning, otherwise a new version of the object is created.

- `putObject (bucketName : String, objectName : String, filePath : String)`
- `putObject (bucketName : String, objectName : String, objectData: Blob)`

| Name | Type | Direction | Description | Allowed Values / Examples |
|-------------------|--------|-----------|---|---|
| bucketName | String | in | Name of the bucket to put the object to. This must be an existing bucket, otherwise an exception is thrown. | If the bucket is not existing, an exception is thrown. |
| objectName | String | in | Name of the object to store. | No exception will be thrown if the object you want to put is already existing. |
| filePath | String | in | Path to the file on the local filesystem (in service context) to get the object contents from. | You must specify either filePath , or objectData . If the file is not available, an exception will be thrown. |
| objectData | Blob | in | Object data to store as a Blob. | You must specify either objectData , or filePath . |

S3 Adapter Parameter Types

BucketStatus

| Attribute | Type | Description |
|-------------------------|-----------------|--|
| name | String | Name of the bucket. |
| size | Integer | Size of the bucket in bytes. |
| containedObjects | Array of String | List of objects that reside within the bucket. |
| creationDate | DateTime | Creation timestamp of the bucket. |

ObjectStatus

| Attribute | Type | Description | Examples |
|----------------------|-----------------|--|----------|
| name | String | Name of the object. | |
| size | Integer | Size of the object in bytes. | |
| type | String | Type of the object as identified by AWS. | png, txt |
| creationDate | DateTime | Creation timestamp of the object (last version if versioned). | |
| latestVersion | String | Number of the latest version. | |
| versions | Array of String | List of version numbers of the object. The order within the array reflects the order in which the versions have been created. So, versions[0] contains the version number of the first version of the object. | |
| deleteMarkers | Array of String | List of delete markers of the object. | |