aws

PutBucketLogging

PutBucketCors

PutBucketEncryption

PutBucketIntelligentTieringConfiguration

PutBucketInventoryConfiguration

PutBucketLifecycle

PutBucketLifecycleConfiguration

PutBucketLogging

PutBucketMetricsConfiguration

PutBucketNotification

PutBucketNotificationConfiguration

PutBucketOwnershipControls

PutBucketPolicy

PutBucketReplication

PutBucketRequestPayment

PutBucketTagging

PutBucketVersioning

PutBucketWebsite

PutObject

PutObjectAcl

PutObjectLegalHold

PutObjectLockConfiguration

PutObjectRetention

PutObjectTagging

PutPublicAccessBlock

RestoreObject

SelectObjectContent

UploadPart

UploadPartCopy

WriteGetObjectResponse

▶ Amazon S3 Control

▶ Amazon S3 on Outposts

PDF

> ⓘ **Note**
>
> This operation is not supported by directory buckets.

Set the logging parameters for a bucket and to specify permissions for who can view and modify the logging parameters. All logs are saved to buckets in the same AWS Region as the source bucket. To set the logging status of a bucket, you must be the bucket owner.

The bucket owner is automatically granted FULL_CONTROL to all logs. You use the `Grantee` request element to grant access to other people. The `Permissions` request element specifies the kind of access the grantee has to the logs.

> ⚠ **Important**
>
> If the target bucket for log delivery uses the bucket owner enforced setting for S3 Object Ownership, you can't use the `Grantee` request element to grant access to others. Permissions can only be granted using policies. For more information, see [Permissions for server access log delivery](#) in the *Amazon S3 User Guide*.

Grantee Values

You can specify the person (grantee) to whom you're assigning access rights (by using request elements) in the following ways:

On this page ›

Request Syntax

URI Request Parameters

Request Body

Response Syntax

Response Elements

Examples

See Also

Select your cookie preferences

We use essential cookies and similar tools that are necessary to provide our site and services. We use performance cookies to collect anonymous statistics so we can understand how customers use our site and make improvements. Essential cookies cannot be deactivated, but you can click "Customize cookies" to decline performance cookies.

If you agree, AWS and approved third parties will also use cookies to provide useful site features, remember your preferences, and display relevant content, including relevant advertising. To continue without accepting

Accept all cookies

Continue without accepting

Customize cookies

Contact Us ▼

Create an AWS Account

AWS > Documentation > Amazon Simple Storage Service (S3) > API Reference

Feedback 🗩   Preferences ⚙

```
<Grantee
xmlns:xsi="http://www.w3.o
rg/2001/XMLSchema-
instance"
xsi:type="AmazonCustomerBy
Email"><EmailAddress>
<>Grantees@email.com<>
</EmailAddress></Grantee>
```

The grantee is resolved to the `CanonicalUser` and, in a response to a GETObjectAcl request, appears as the CanonicalUser.

- By URI:

```
<Grantee
xmlns:xsi="http://www.w3.o
rg/2001/XMLSchema-
instance"
xsi:type="Group"><URI>
<>http://acs.amazonaws.com
/groups/global/Authenticat
edUsers<></URI></Grantee>
```

To enable logging, you use `LoggingEnabled` and its children request elements. To disable logging, you use an empty `BucketLoggingStatus` request element:

```
<BucketLoggingStatus
xmlns="http://doc.s3.amazonaws.co
m/2006-03-01" />
```

For more information about server access logging, see Server Access Logging in the *Amazon S3 User Guide*.

For more information about creating a bucket, see CreateBucket. For more information about returning the logging status of a bucket, see GetBucketLogging.

The following operations are related to `PutBucketLogging`:

- PutObject
- DeleteBucket
- CreateBucket
- GetBucketLogging

Request Syntax

```
            <TargetBucket>string</Targ
            <TargetGrants>
                <Grant>
                    <Grantee>
                        <DisplayName>stri
                        <EmailAddress>str
                        <ID>string</ID>
                        <xsi:type>string<
                        <URI>string</URI>
                    </Grantee>
                    <Permission>string</
                </Grant>
            </TargetGrants>
            <TargetObjectKeyFormat>
                <PartitionedPrefix>
                    <PartitionDateSource
                </PartitionedPrefix>
                <SimplePrefix>
                </SimplePrefix>
            </TargetObjectKeyFormat>
            <TargetPrefix>string</Targ
        </LoggingEnabled>
    </BucketLoggingStatus>
```

URI Request Parameters

The request uses the following URI parameters.

Bucket

The name of the bucket for which to set the logging parameters.

Required: Yes

Content-MD5

The MD5 hash of the `PutBucketLogging` request body.

For requests made using the AWS Command Line Interface (CLI) or AWS SDKs, this field is calculated automatically.

x-amz-expected-bucket-owner

The account ID of the expected bucket owner. If the account ID that you provide does not match the actual owner of the bucket, the request fails with the HTTP status code 403 Forbidden (access denied).

The account ID on the object when you use the SDK. This header will not provide any additional functionality.

Feedback 💬   Preferences ⚙

Otherwise, Amazon S3 fails the request with the HTTP status code `400 Bad Request`. For more information, see Checking object integrity in the *Amazon S3 User Guide*.

If you provide an individual checksum, Amazon S3 ignores any provided `ChecksumAlgorithm` parameter.

Valid Values: `CRC32` | `CRC32C` | `SHA1` | `SHA256`

Request Body

The request accepts the following data in XML format.

BucketLoggingStatus

Root level tag for the BucketLoggingStatus parameters.

Required: Yes

LoggingEnabled

Describes where logs are stored and the prefix that Amazon S3 assigns to all log object keys for a bucket. For more information, see PUT Bucket logging in the *Amazon S3 API Reference*.

Type: LoggingEnabled data type

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty

Examples

Sample Request

This request enables logging and gives the grantee of the bucket READ access to the

disable ACLs don't support target grants. For more information, see [Permissions for server access log delivery](#) in the *Amazon S3 User Guide*.

```
PUT ?logging HTTP/1.1
Host: quotes.s3.<Region>.amazona
Content-Length: 214
Date: Wed, 25 Nov 2009 12:00:00
Authorization: authorization str

<?xml version="1.0" encoding="UT
<BucketLoggingStatus xmlns="http
  <LoggingEnabled>
    <TargetBucket>mybucketlogs</
    <TargetPrefix>mybucket-acces
    <TargetGrants>
      <Grant>
        <Grantee xmlns:xsi="http
          xsi:type="AmazonCustom
          <EmailAddress>user@com
        </Grantee>
        <Permission>READ</Permis
      </Grant>
    </TargetGrants>
  </LoggingEnabled>
</BucketLoggingStatus>
```

Sample Response

This example illustrates one usage of PutBucketLogging.

```
HTTP/1.1 200 OK
x-amz-id-2: YgIPIfBiKa2bj0KMg95r
x-amz-request-id: 236A8905248E5A
Date: Wed, 01 Mar  2006 12:00:00
```

Sample Request: Disabling logging

Feedback 💬 Preferences ⚙

Sample Response

This example illustrates one usage of PutBucketLogging.

```
HTTP/1.1 200 OK
x-amz-id-2: YgIPIfBiKa2bj0KMg95r
x-amz-request-id: 236A8905248E5A
Date: Wed, 01 Mar  2006 12:00:00
```

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

Did this page help you?

👍 Yes

👎 No

Provide feedback

Next topic: PutBucketMetricsConfiguration

Previous topic: PutBucketLifecycleConfiguration

Need help?

- Try AWS re:Post 🔗
- Connect with an AWS IQ expert 🔗

Select your cookie preferences

We use essential cookies and similar tools that are necessary to provide our site and services. We use performance cookies to collect anonymous statistics so we can understand how customers use our site and make improvements. Essential cookies cannot be deactivated, but you can click "Customize cookies" to decline performance cookies.

If you agree, AWS and approved third parties will also use cookies to provide useful site features, remember your preferences, and display relevant content, including relevant advertising. To continue without accepting