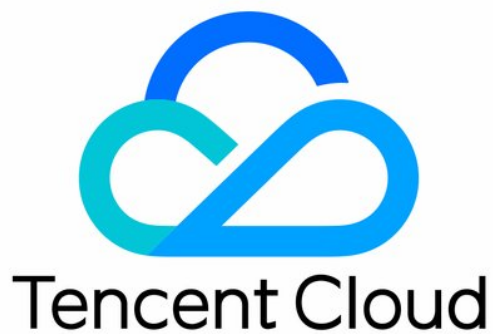


CloudAudit

PHP SDK Documentation

Product Documentation



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PHP SDK Documentation

Creating CloudAudit

Last updated : 2024-01-24 17:36:30

SDK Description

CreateAudit is used to create CloudAudits. A user can only create a maximum of 50 CloudAudits.

Request Parameters

Parameter Name	Required	Type	Description
IsMultiRegionAudit	No	Number	Indicates whether to enable multi-region collection. 0: Disable; 1: Enable.
KmsKeyId	No	String	The scretId of Kms, which is used to encrypt data.
Name	Yes	String	CloudAudit name, which has a length of 3-128 bytes. Only ASCII coded letters (<code>a-z</code> , <code>A-Z</code>), numbers (<code>0-9</code>) and underscore (<code>_</code>) are allowed.
CosBucketName	Yes	String	The name of the receiving COS Bucket. Refer to the naming requirements for COS.
CosKeyPrefix	No	String	COS bucket Prefix. For the naming convention, see COS documentation.
CmqTopicName	No	String	CMQ topic name, which is required if CMQ is enabled. Refer to the naming requirements for CMQ.

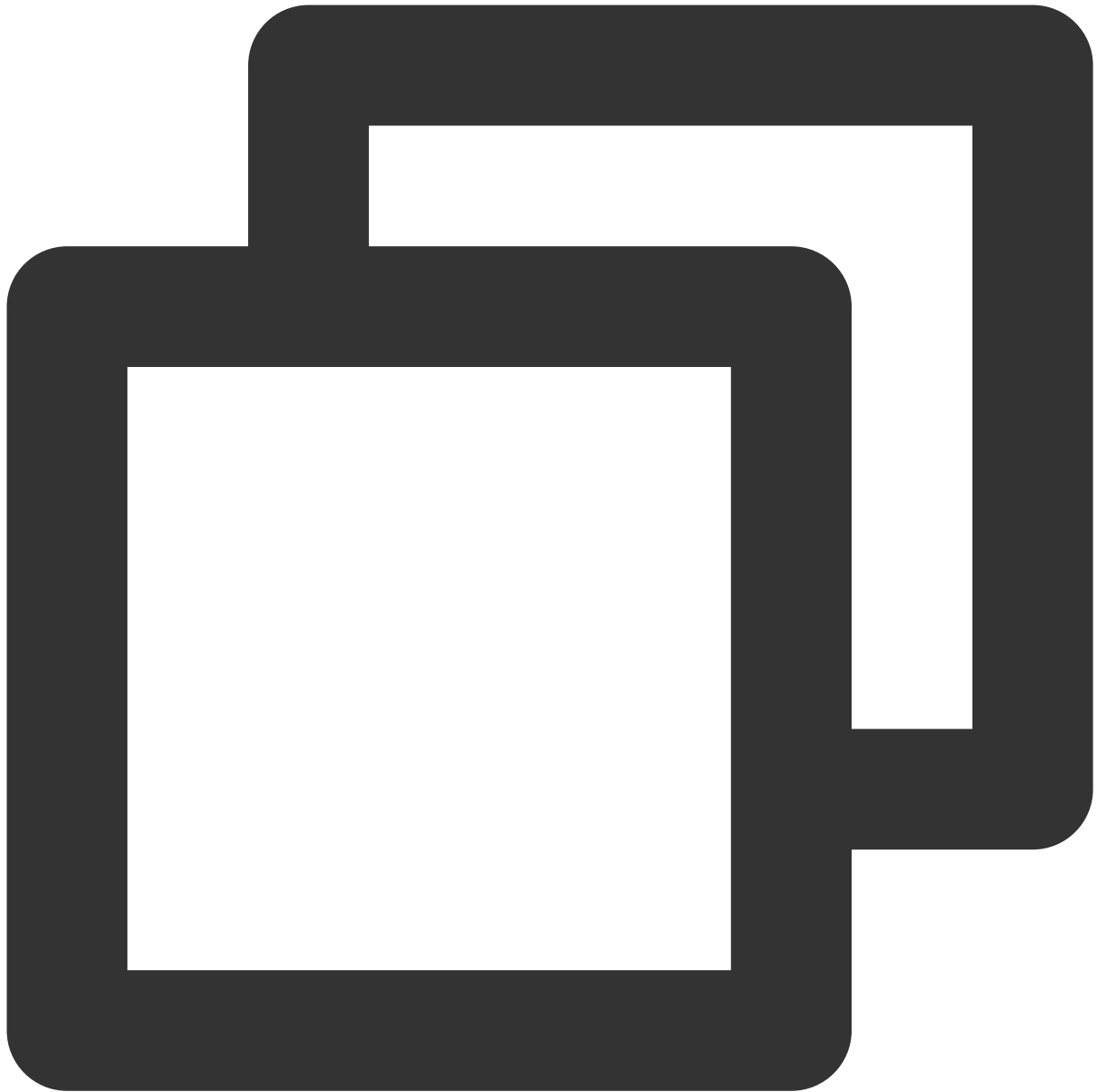
Response Parameters

Parameter Name	Type	Description
IsMultiRegionAudit	Number	Indicates whether to enable multi-region collection. 1: Yes; 0: No.
KmsKeyId	String	Kms key ID

Name	String	CloudAudit name
CosBucketName	String	COS bucket name
CosKeyPrefix	String	COS bucket Prefix
CmqTopicName	String	CMQ topic name

Example

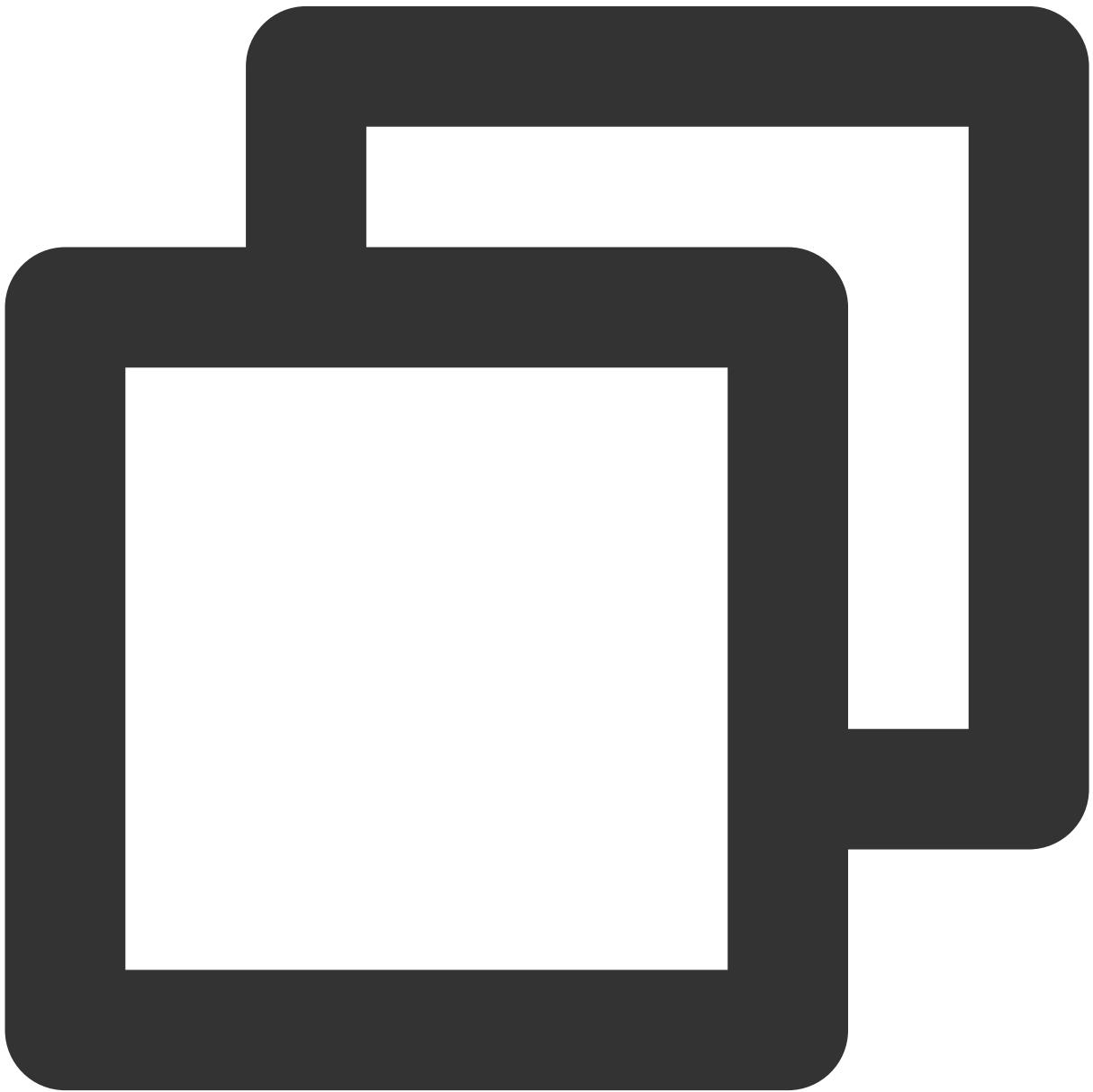
Request example



```
$config = array('SecretId'      => 'Your secretId',  
                'SecretKey'    => 'Your secretKey',  
                'RequestMethod' => 'GET',  
                'DefaultRegion' => 'gz');  
$ca = QcloudApi::load(QcloudApi::MODULE_CLOUDAUDIT, $config);  
$package = array('IsMultiRegionAudit ' => 1, 'Name' => 'ayisunxxx', 'CosBucketName'=  
$a = $ca->CreateAudit($package);  
if ($a === false) {  
    $error = $ca->getError();  
    echo "Error code:" . $error->getCode() . ".\\n";  
    echo "message:" . $error->getMessage() . ".\\n";  
}
```

```
    echo "ext:" . var_export($error->getExt(), true) . ".\\n";
} else {
    var_dump($a);
}
echo "\\nRequest :" . $sca->getLastRequest();
echo "\\nResponse :" . $sca->getLastResponse();
echo "\\n";
```

Response example



```
{
  "IsMultiRegionAudit": "1",
  "KmsKeyId": "",
  "Name": "ayisunxxx",
  "CosBucketName": "sundehuixxx",
  "CosKeyPrefix": "91000000009",
  "CmqTopicName": ""
}
```

Enabling Log Collection

Last updated : 2024-01-24 17:36:30

SDK Description

StartLogging is used to enable log collection.

Request Parameters

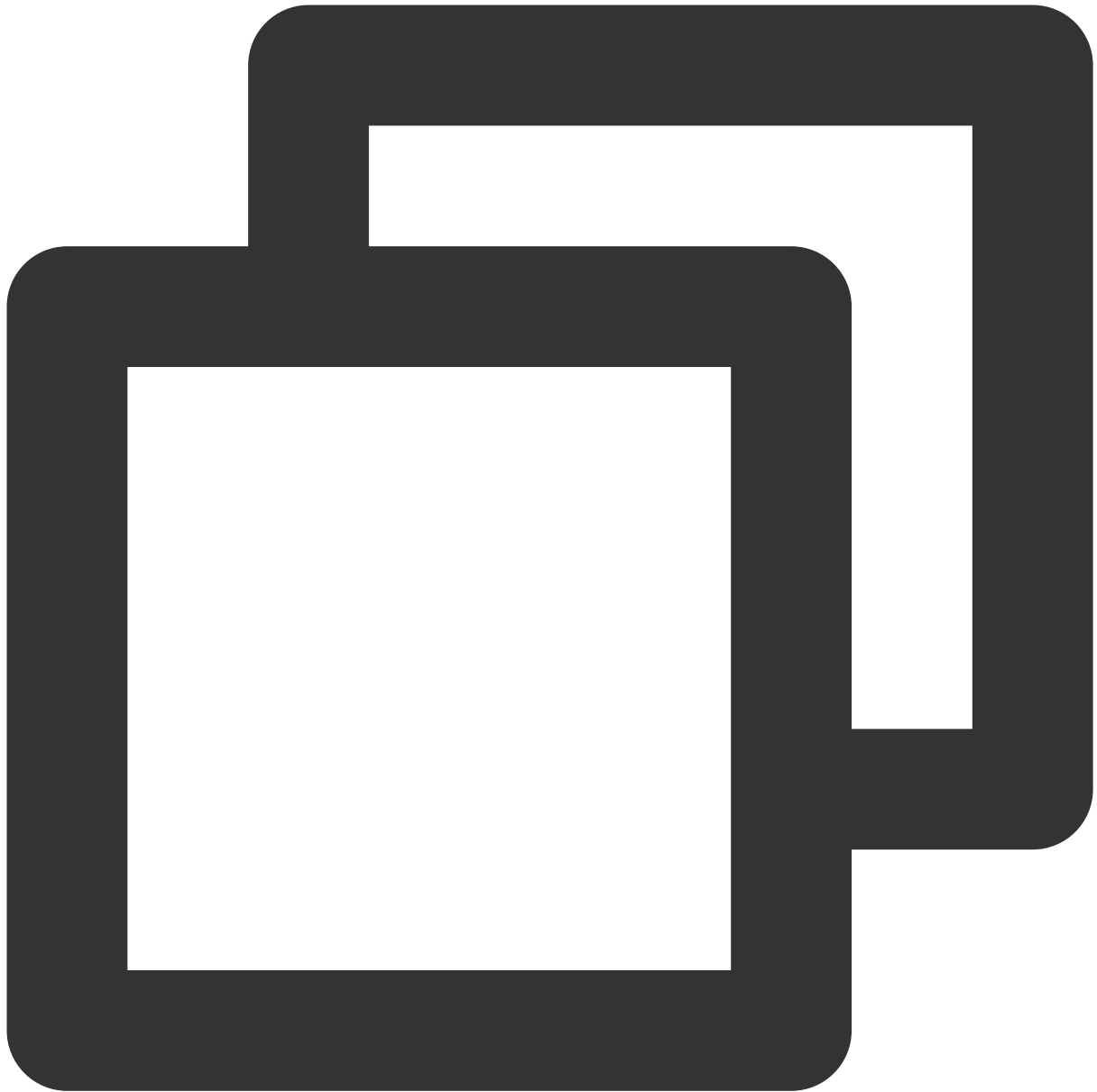
Parameter Name	Required	Type	Description
Name	Yes	String	CloudAudit name

Response Parameters

The response parameter is null.

Example

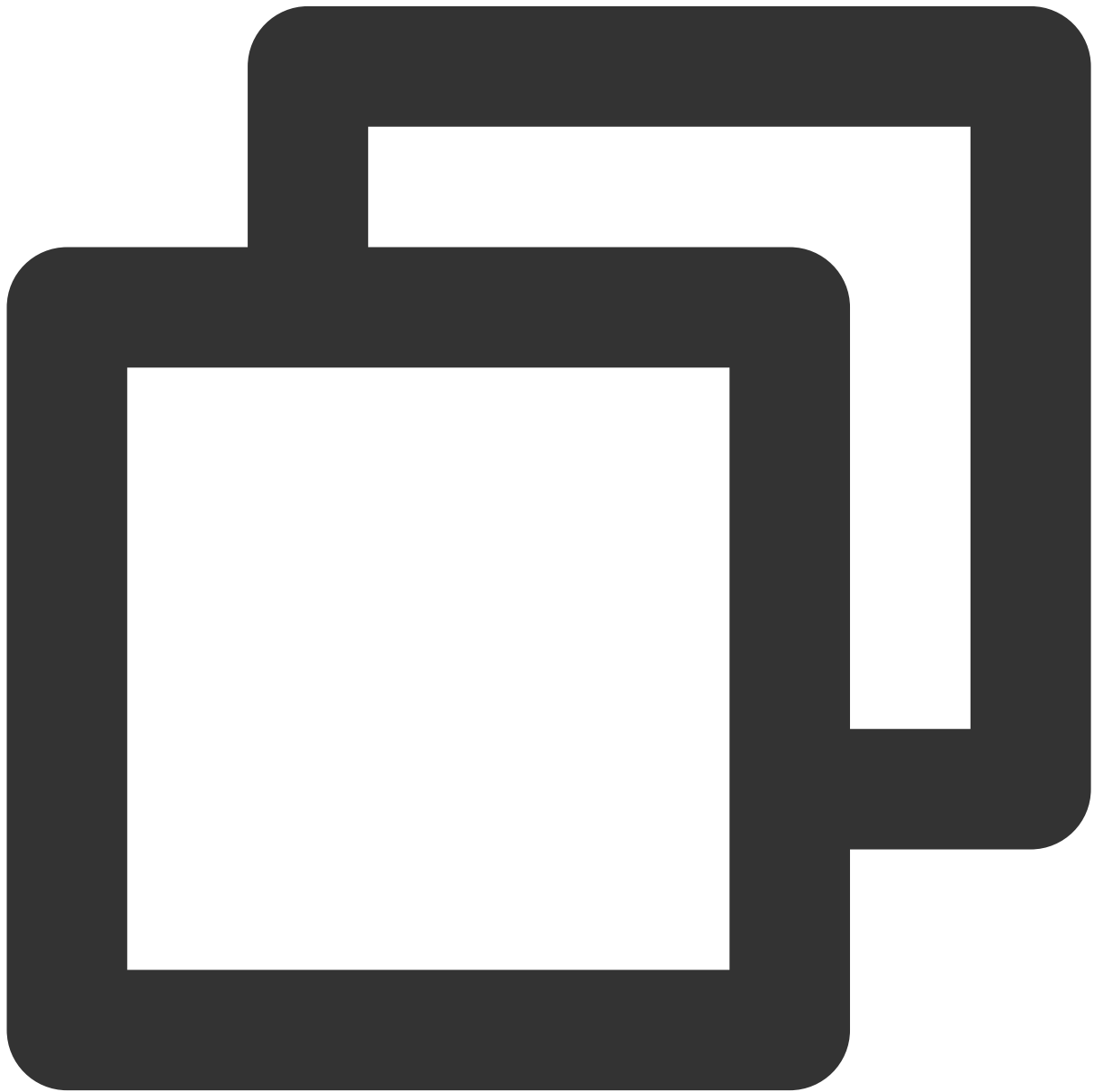
Request example



```
$config = array('SecretId'      => 'Your secretId',
                'SecretKey'     => 'Your secretKey',
                'RequestMethod' => 'GET',
                'DefaultRegion' => 'gz');
$ca = QcloudApi::load(QcloudApi::MODULE_CLOUDAUDIT, $config);
$package = array('Name'=>'ayisunxxx');
$a = $ca->StartLogging($package);
if ($a === false) {
    $error = $ca->getError();
    echo "Error code:" . $error->getCode() . ".\\n";
    echo "message:" . $error->getMessage() . ".\\n";
}
```

```
    echo "ext:" . var_export($error->getExt(), true) . ".\n";  
} else {  
    var_dump($a);  
}  
echo "\nRequest :" . $sca->getLastRequest();  
echo "\nResponse :" . $sca->getLastResponse();  
echo "\n";
```

Response example



[]

Updating CloudAudit

Last updated : 2024-01-24 17:36:30

SDK Description

The UpdateAudit API is used to update CloudAudit. It can update certain settings for the specified log file, such as the path and COS bucket. The name of CloudAudit cannot be modified. You do not need to disable the CloudAudit service when modifying the path. If the COS bucket to be modified was a target of the CloudAudit log file, it can be modified successfully; otherwise, you need to manually grant CloudAudit write permission to the COS bucket.

Request Parameters

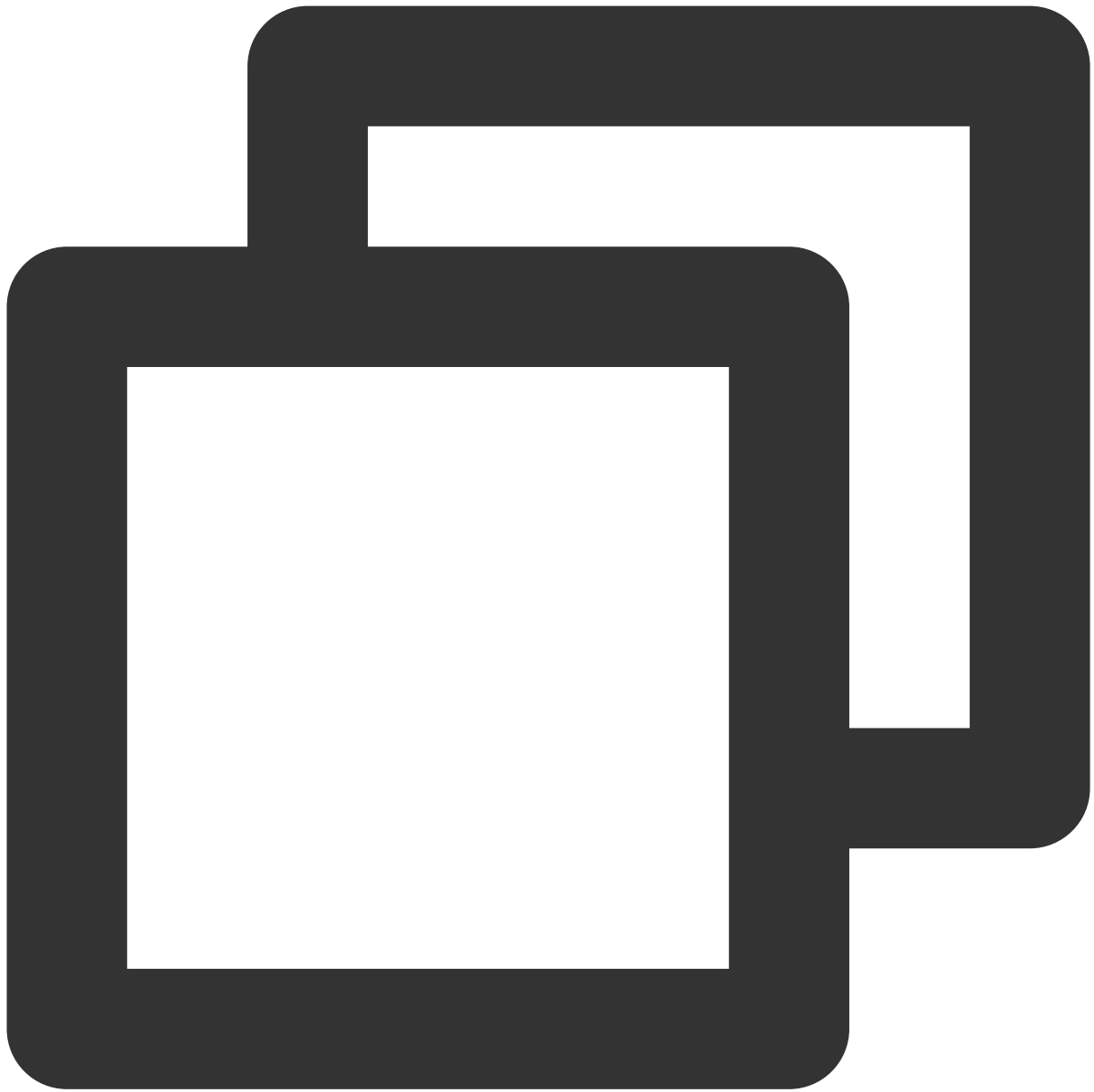
Parameter Name	Required	Type	Description
IsMultiRegionAudit	No	Number	Indicates whether to enable multi-region collection. 0: disable; 1: enable.
KmsKeyId	No	String	The secretId of KMS, which is used to encrypt data.
Name	Yes	String	CloudAudit name, which can contain 3-128 ASCII letters (<code>a-z</code> ; <code>A-Z</code>), digits (<code>0-9</code>), and underscores (<code>_</code>).
CosBucketName	Yes	String	The name of the receiving COS bucket. For naming convention, see the naming requirements of COS.
CosKeyPrefix	No	String	COS bucket Prefix. For naming convention, see the naming requirements of COS.
CmqTopicName	No	String	CMQ topic name, which is required if CMQ is enabled. For naming convention, see the naming requirements of CMQ.

Response Parameters

The response parameter is null.

Use Cases

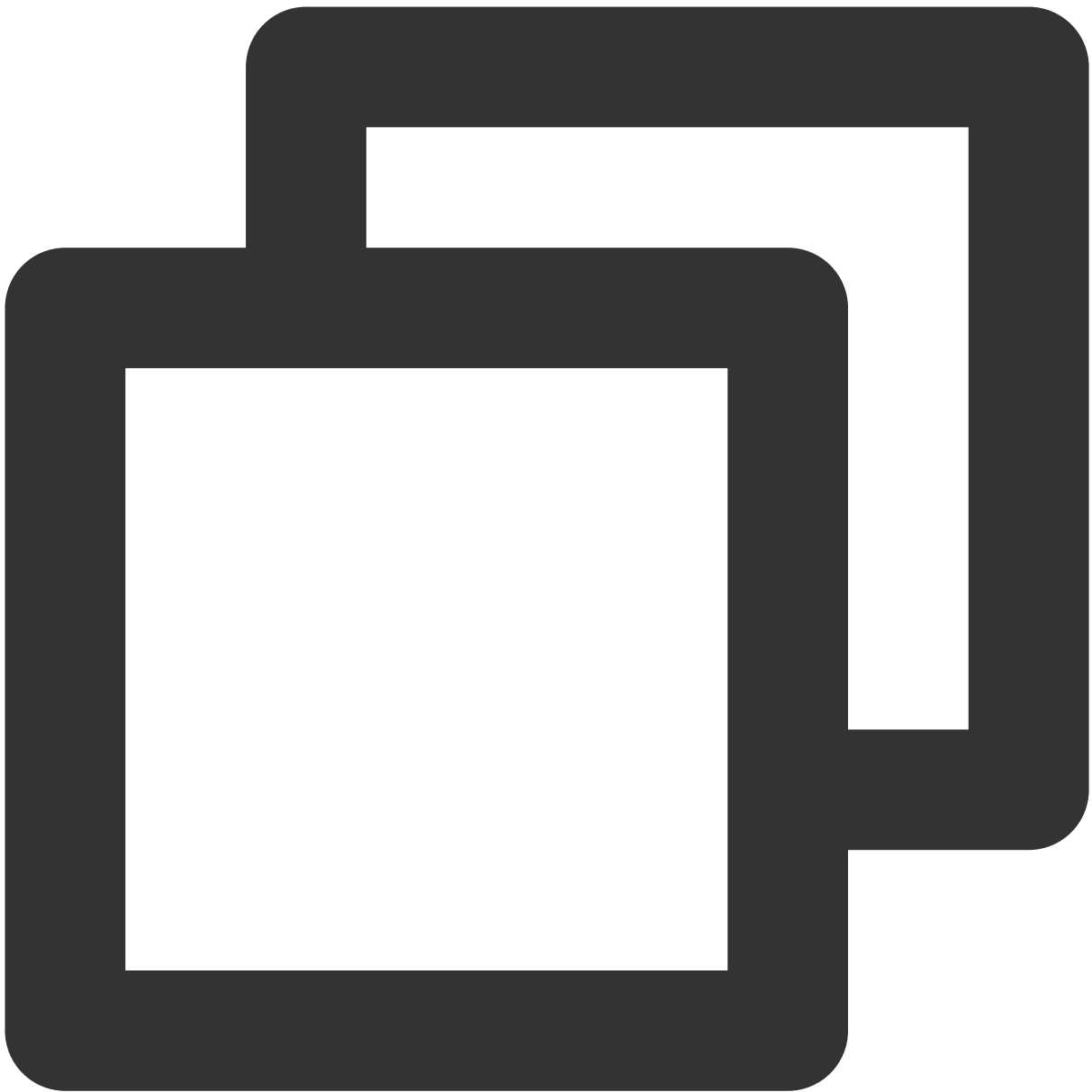
Sample request



```
$config = array('SecretId'      => 'Your secretId',  
               'SecretKey'    => 'Your secretKey',  
               'RequestMethod' => 'GET',  
               'DefaultRegion' => 'gz');  
$ca = QcloudApi::load(QcloudApi::MODULE_CLOUDAUDIT, $config);  
$package = array('Name'=>'ayisunxxx', 'CosBucketName'=>'sundehuixxx', 'CosKeyPrefix'=  
$a = $ca->UpdateAudit($package);  
if ($a === false) {  
    $error = $ca->getError();
```

```
    echo "Error code:" . $error->getCode() . ".\\n";
    echo "message:" . $error->getMessage() . ".\\n";
    echo "ext:" . var_export($error->getExt(), true) . ".\\n";
} else {
    var_dump($a);
}
echo "\\nRequest :" . $ca->getLastRequest();
echo "\\nResponse :" . $ca->getLastResponse();
echo "\\n";
```

Sample response



[]

Disabling Log Collection

Last updated : 2024-01-24 17:36:30

SDK Description

StopLogging is used to disable log collection.

Request Parameters

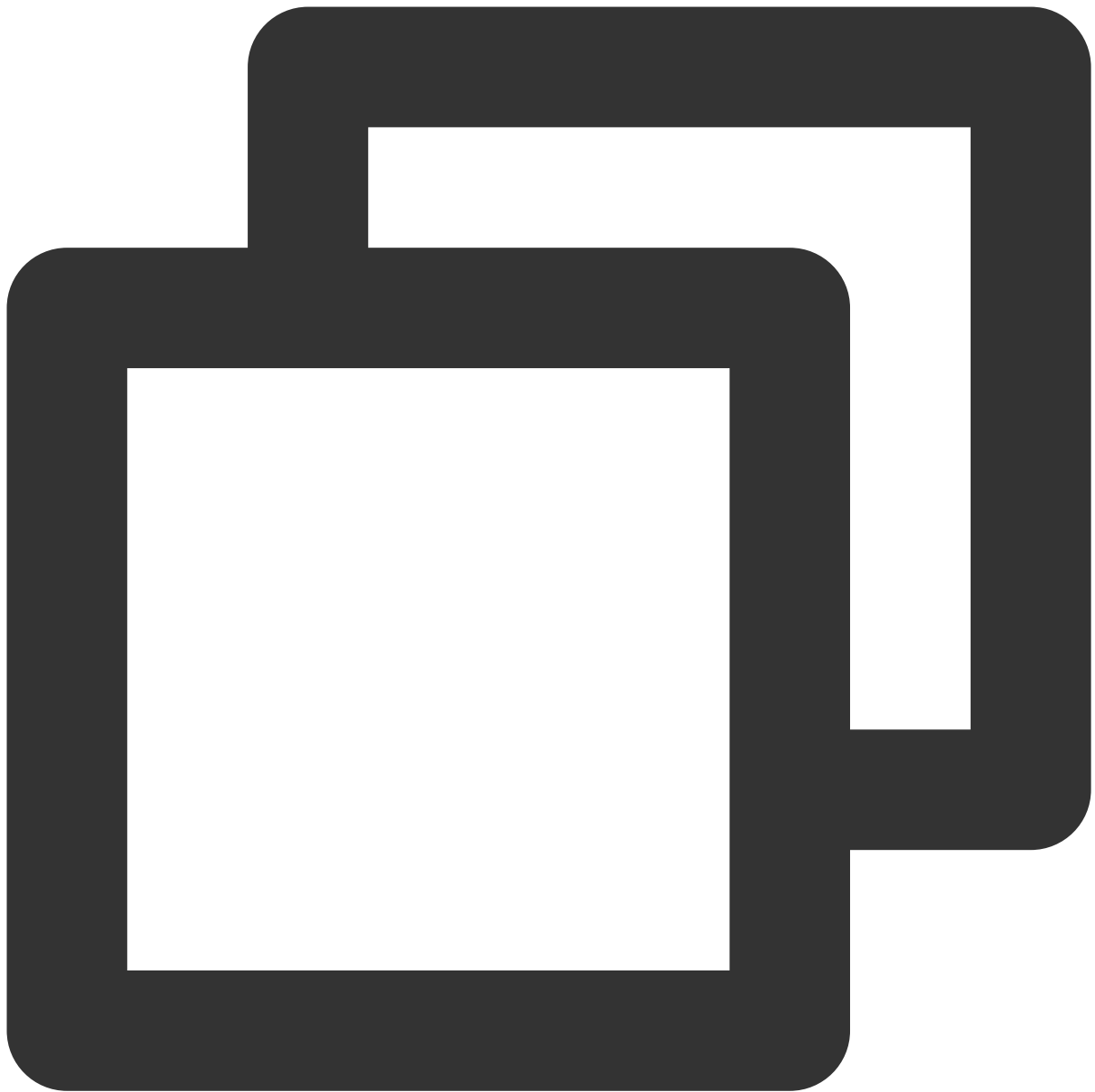
Parameter Name	Required	Type	Description
Name	Yes	String	CloudAudit name

Response Parameters

The response parameter is null.

Example

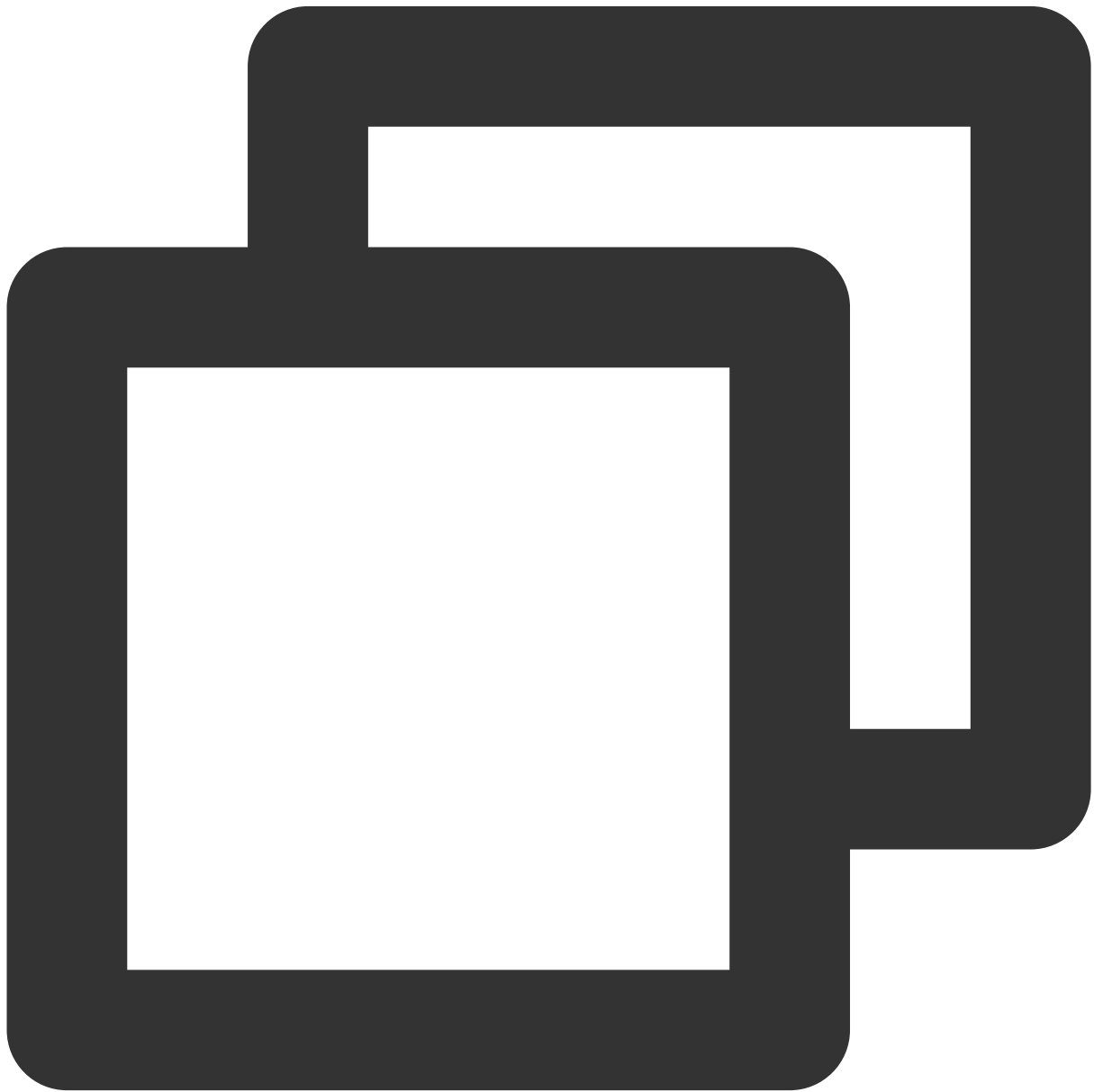
Request example



```
$config = array('SecretId'      => 'Your secretId',
                'SecretKey'    => 'Your secretKey',
                'RequestMethod' => 'GET',
                'DefaultRegion' => 'gz');
$ca = QcloudApi::load(QcloudApi::MODULE_CLOUDAUDIT, $config);
$package = array('Name'=>'ayisunxxx');
$a = $ca->StopLogging($package);
if ($a === false) {
    $error = $ca->getError();
    echo "Error code:" . $error->getCode() . ".\\n";
    echo "message:" . $error->getMessage() . ".\\n";
}
```

```
    echo "ext:" . var_export($error->getExt(), true) . ".\n";  
} else {  
    var_dump($a);  
}  
echo "\nRequest :" . $sca->getLastRequest();  
echo "\nResponse :" . $sca->getLastResponse();  
echo "\n";
```

Response example



[]

Fetching Bucket List of COS

Last updated : 2024-01-24 17:36:30

SDK Description

ListCosBuckets is used to fetch the bucket list of COS.

Request Parameters

For more information, see Common Request Parameters.

Response Parameters

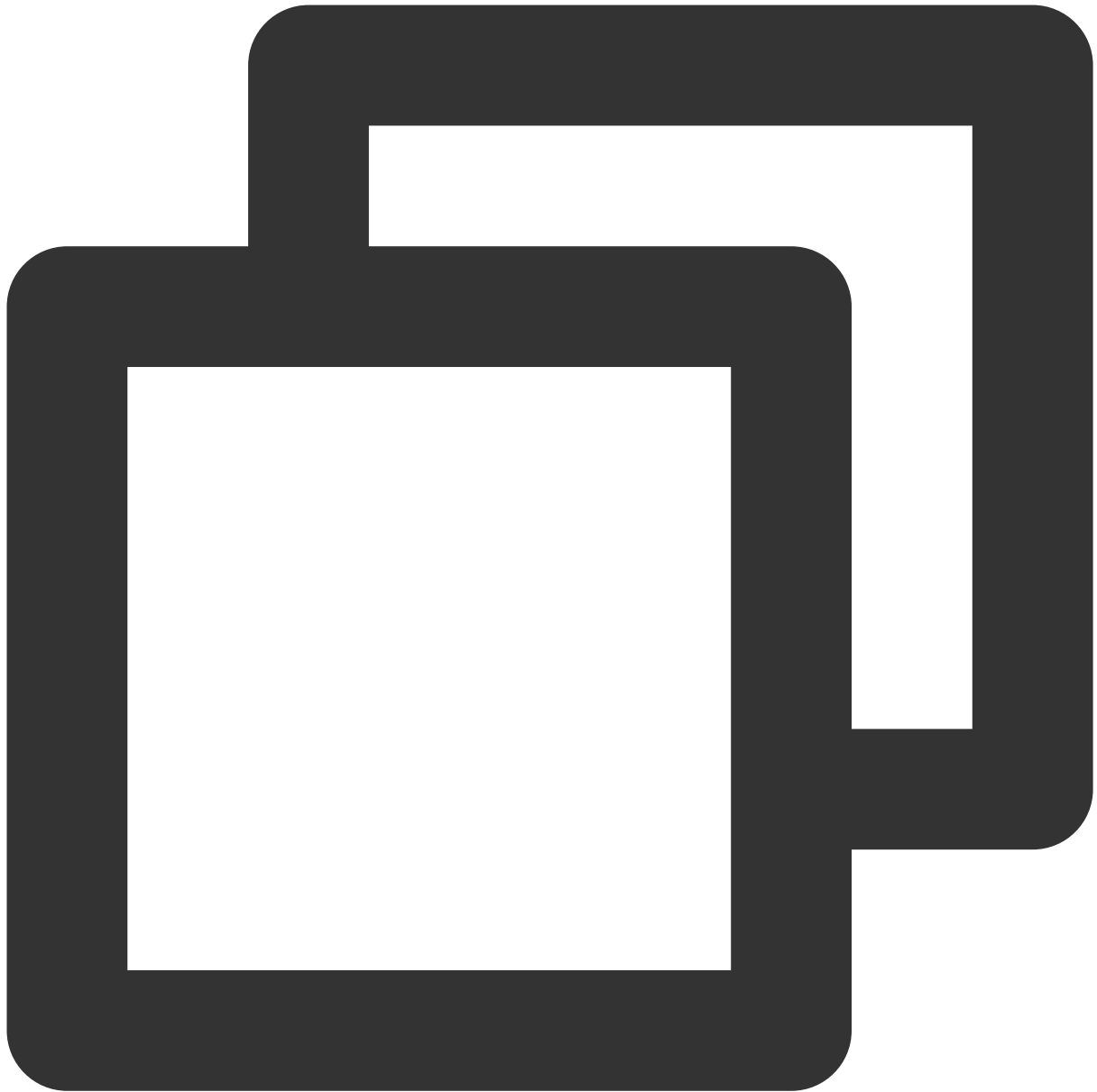
Parameter Name	Type	Description
cosBucketsList	Array	COS bucket list

The parameter cosBucketsList is composed as follows:

Parameter Name	Type	Description
name	String	COS bucket name
region	String	The region of the bucket
appld	String	Account APPID or project APPID

Example

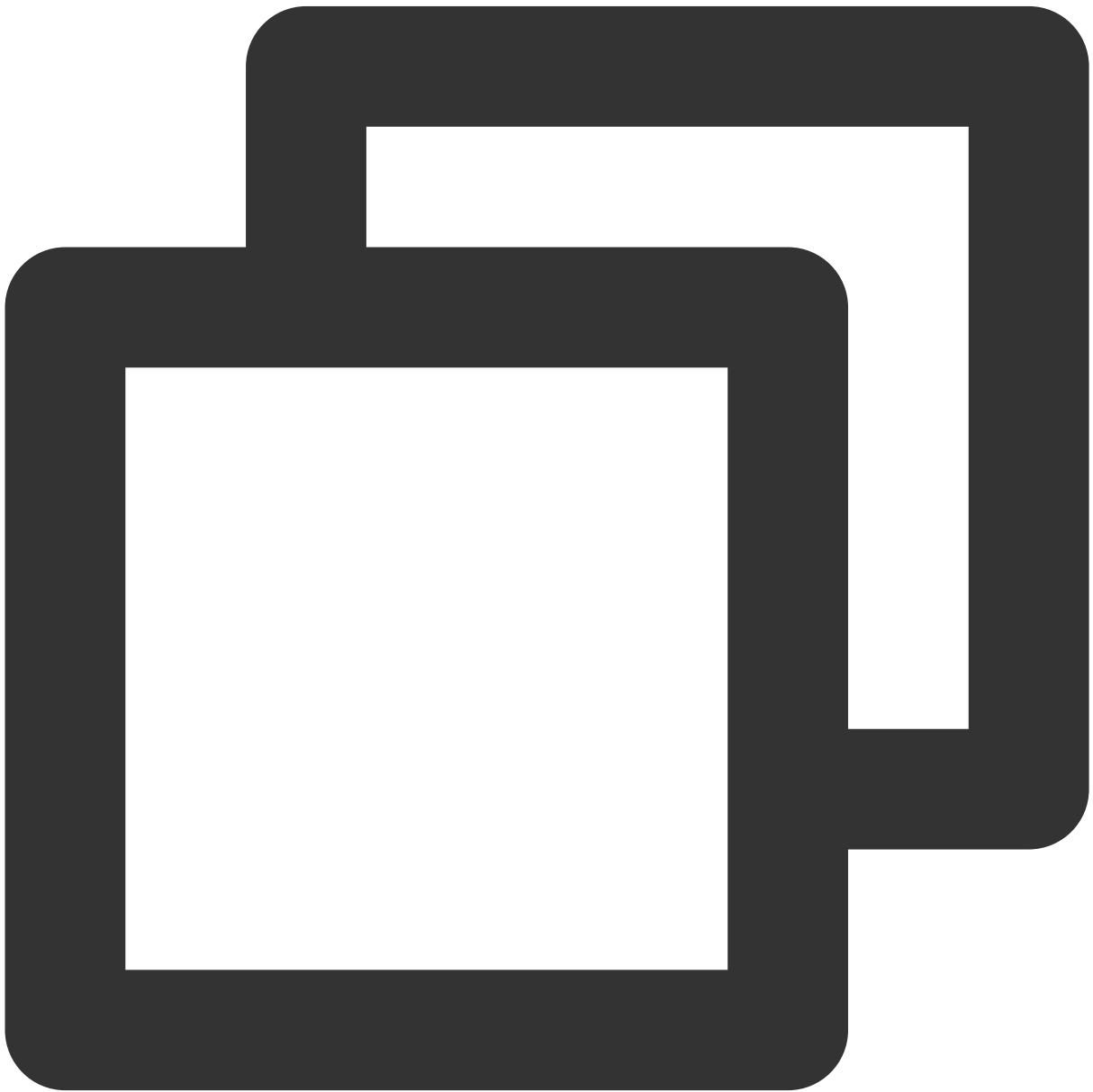
Request example



```
$config = array('SecretId'      => 'Your secretId',
                'SecretKey'    => 'Your secretKey',
                'RequestMethod' => 'GET',
                'DefaultRegion' => 'gz');
$ca = QcloudApi::load(QcloudApi::MODULE_CLOUDAUDIT, $config);
$package = array();
$a = $ca->ListCosBuckets($package);
if ($a === false) {
    $error = $ca->getError();
    echo "Error code:" . $error->getCode() . ".\\n";
    echo "message:" . $error->getMessage() . ".\\n";
}
```

```
    echo "ext:" . var_export($error->getExt(), true) . ".\\n";  
} else {  
    var_dump($a);  
}  
echo "\\nRequest :" . $sca->getLastRequest();  
echo "\\nResponse :" . $sca->getLastResponse();  
echo "\\n";
```

Response example



```
{
  "cosBucketsList": [
    {
      "name": "cloudataudit",
      "region": "ap-shanghai",
      "appId": "1254962721"
    },
    {
      "name": "cloudtrail",
      "region": "ap-shanghai",
      "appId": "1254962721"
    },
    {
      "name": "sundehuixxx",
      "region": "ap-shanghai",
      "appId": "1254962721"
    }
  ]
}
```

Fetching CloudAudit List

Last updated : 2024-01-24 17:36:30

SDK Description

ListAudits is used to fetch the CloudAudit list.

Response Parameters

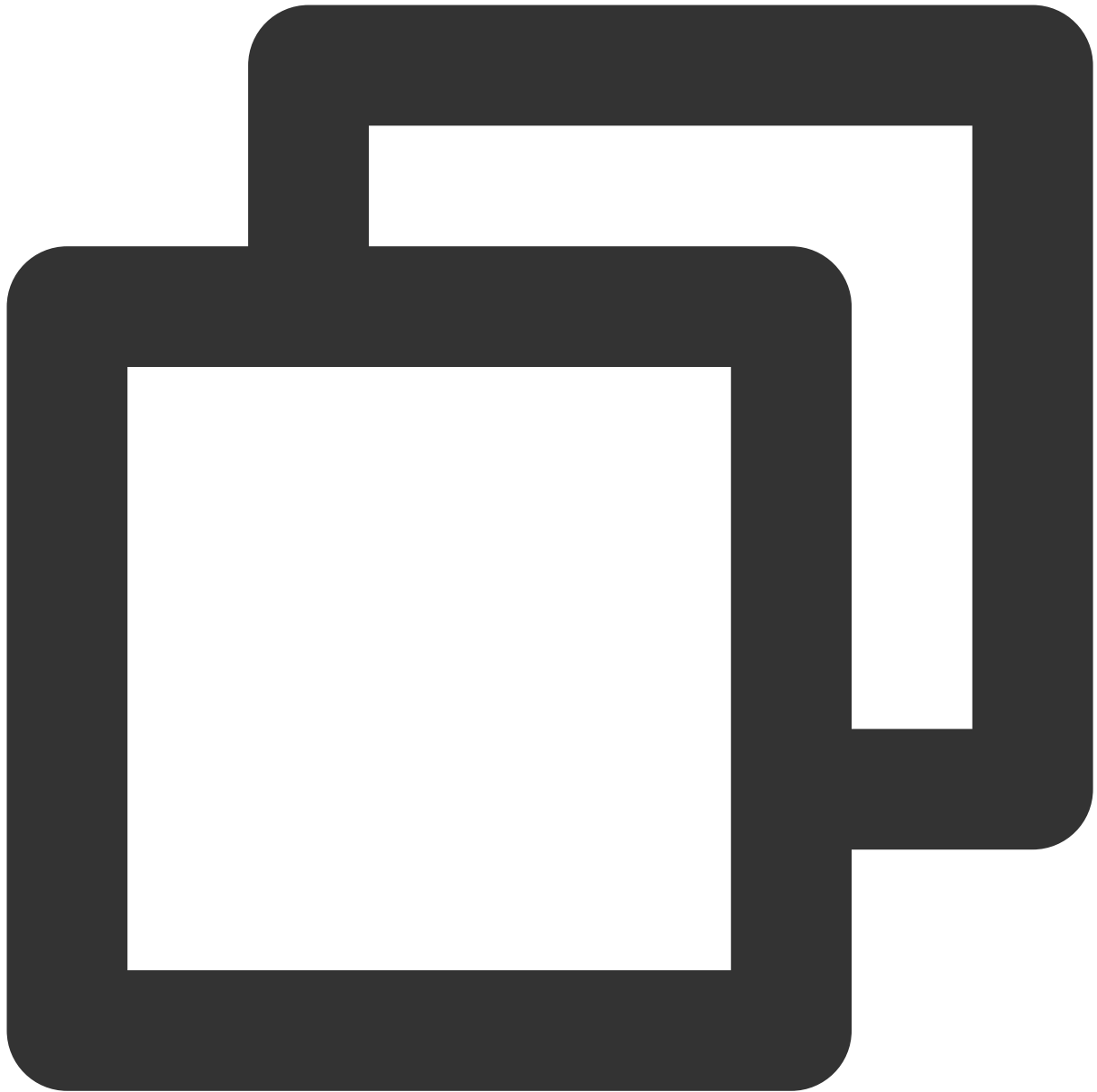
Parameter Name	Type	Description
auditLists	Array	The list of tracking sets

The parameter auditLists is composed as follows:

Parameter Name	Type	Description
Name	String	CloudAudit name
bucketName	String	COS bucket name
prefix	String	Log prefix
status	Number	Audit status. 0: Disabled; 1: Enabled.
IsMultiRegionAudit	Number	Indicates whether to enable multi-region collection. 0: No; 1: Yes.

Example

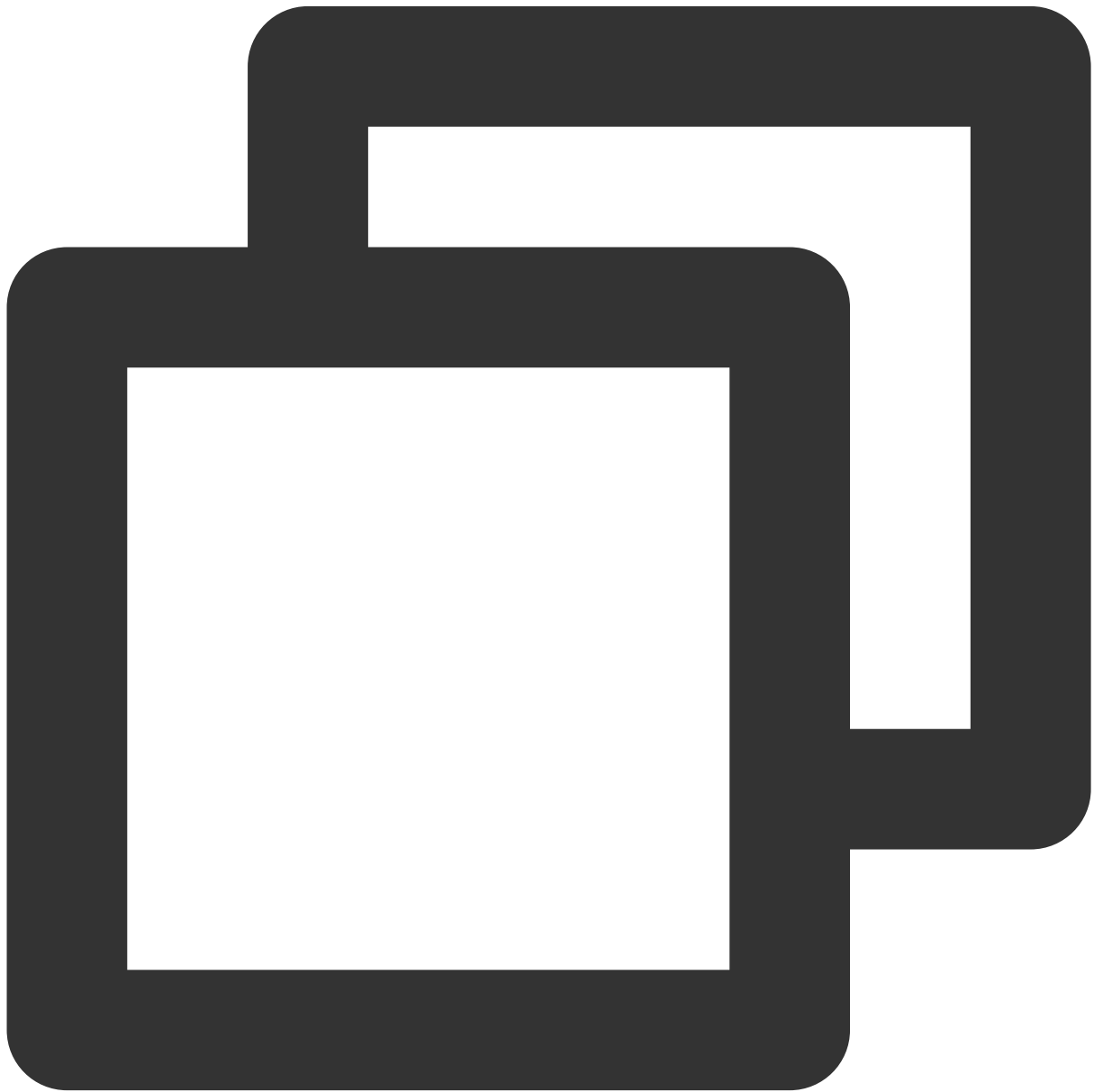
Request example



```
$config = array('SecretId'      => 'Your secretId',  
                'SecretKey'    => 'Your secretKey',  
                'RequestMethod' => 'GET',  
                'DefaultRegion' => 'gz');  
$ca = QcloudApi::load(QcloudApi::MODULE_CLOUDAUDIT, $config);  
$package = array();  
$a = $ca->ListAudits($package);  
if ($a === false) {  
    $error = $ca->getError();  
    echo "Error code:" . $error->getCode() . ".\\n";  
    echo "message:" . $error->getMessage() . ".\\n";  
}
```

```
    echo "ext:" . var_export($error->getExt(), true) . ".\\n";  
} else {  
    var_dump($a);  
}  
echo "\\nRequest :" . $sca->getLastRequest();  
echo "\\nResponse :" . $sca->getLastResponse();  
echo "\\n";
```

Response example



```
{
  "auditLists": [
    {
      "name": "ayisunxxx",
      "bucketName": "sundehuixxx",
      "prefix": "91000000009",
      "status": 1,
      "isMultiRegionAudit": 1
    }
  ]
}
```

Obtaining CloudAudit Info

Last updated : 2024-01-24 17:36:30

SDK Description

DescribeAudits is used to obtain the CloudAudit information.

Request Parameters

Parameter Name	Required	Type	Description
auditNameList	Yes	Array	The auditName list

Response Parameters

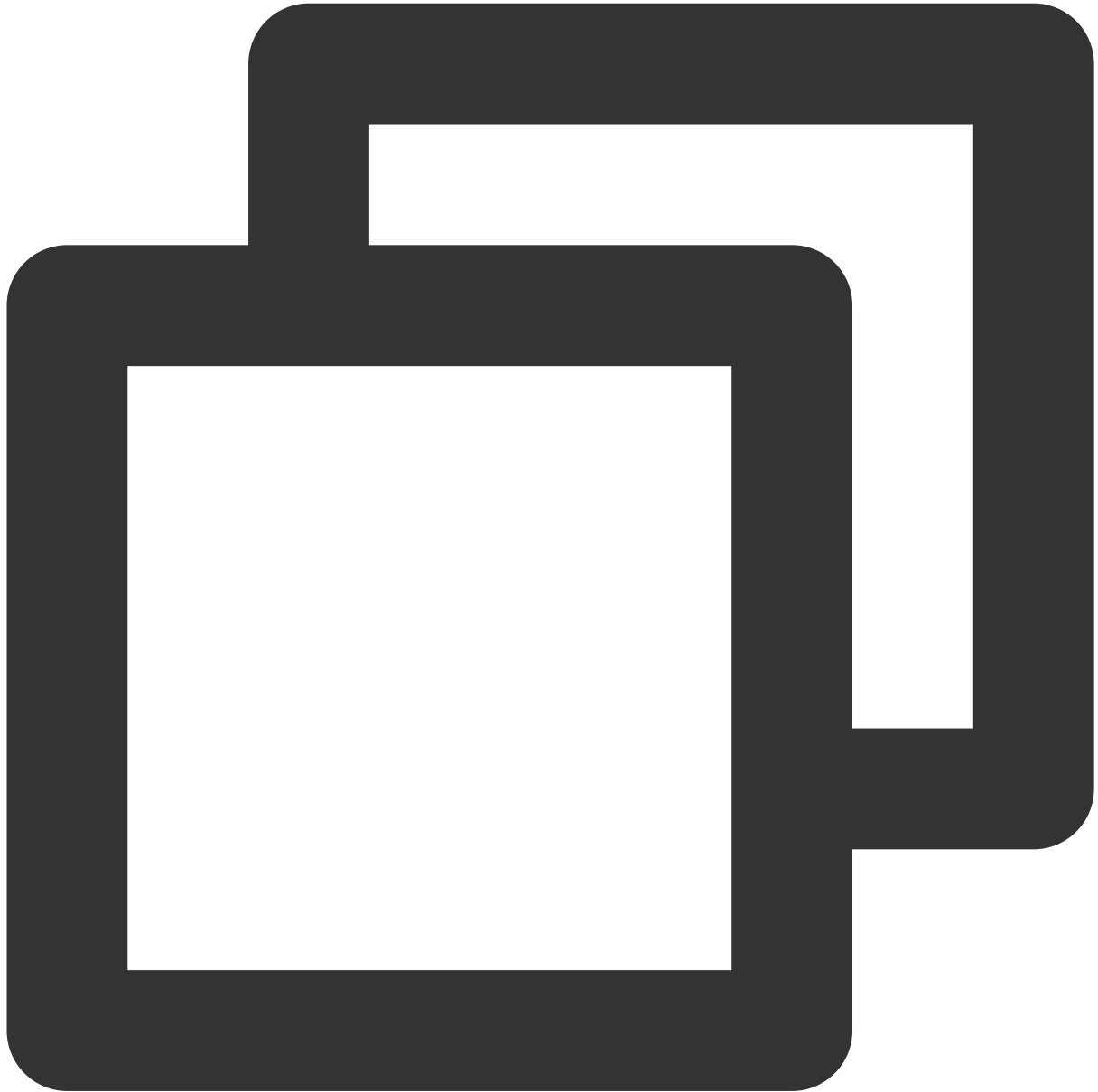
Parameter Name	Type	Description
auditLists	Array	The list of tracking sets

The parameter auditList is composed as follows:

Parameter Name	Type	Description
IsMultiRegionAudit	Number	Indicates whether to enable multi-region query. 0: No; 1: Yes.
KmsKeyId	String	Kms key ID
Name	String	Audit name
CosBucketName	String	COS bucket name
CosKeyPrefix	String	COS bucket Prefix
CmqTopicName	String	CMQ topic name
Status	Number	Audit status. 0: Disabled; 1: Enabled.

Example

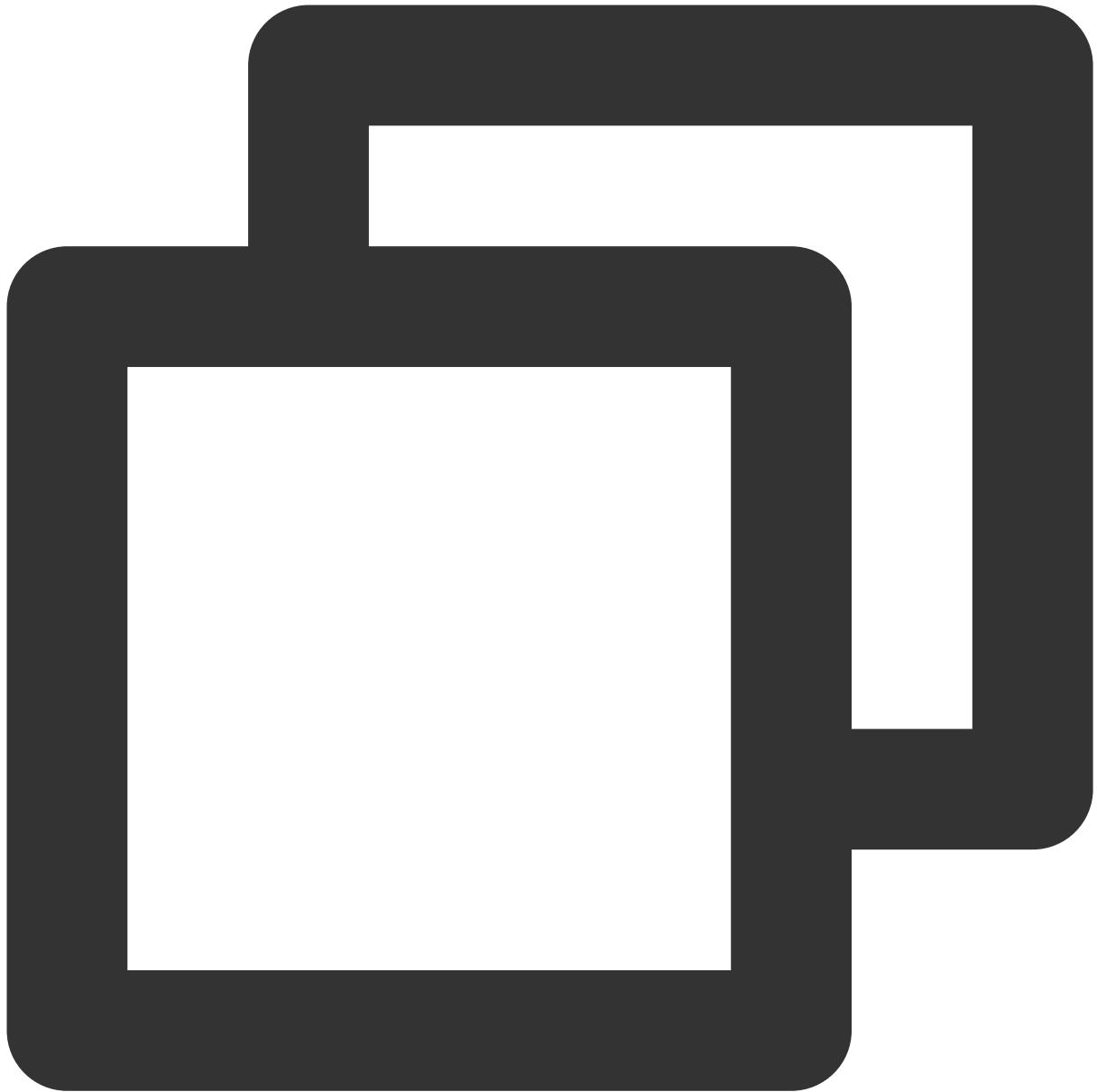
Request example



```
$config = array('SecretId'      => 'Your secretId',  
               'SecretKey'    => 'Your secretKey',  
               'RequestMethod' => 'GET',  
               'DefaultRegion' => 'gz');  
$ca = QcloudApi::load(QcloudApi::MODULE_CLOUDAUDIT, $config);  
$package = array('auditNameList'=>['ayisunxxx']);
```

```
$a = $ca->DescribeAudits($package);  
if ($a === false) {  
    $error = $ca->getError();  
    echo "Error code:" . $error->getCode() . ".\\n";  
    echo "message:" . $error->getMessage() . ".\\n";  
    echo "ext:" . var_export($error->getExt(), true) . ".\\n";  
} else {  
    var_dump($a);  
}  
echo "\\nRequest :" . $ca->getLastRequest();  
echo "\\nResponse :" . $ca->getLastResponse();  
echo "\\n";
```

Response example



```
{
  "auditList": [
    {
      "Name": "ayisunxxx",
      "CosBucketName": "sundehuixxx",
      "CosKeyPrefix": "91000000009",
      "Status": 1,
      "IsMultiRegionAudit": 1,
      "CmqTopicName": ""
    }
  ]
}
```

}

Deleting CloudAudit

Last updated : 2024-01-24 17:36:30

SDK Description

DeleteAudit is used to delete CloudAudits.

Request Parameters

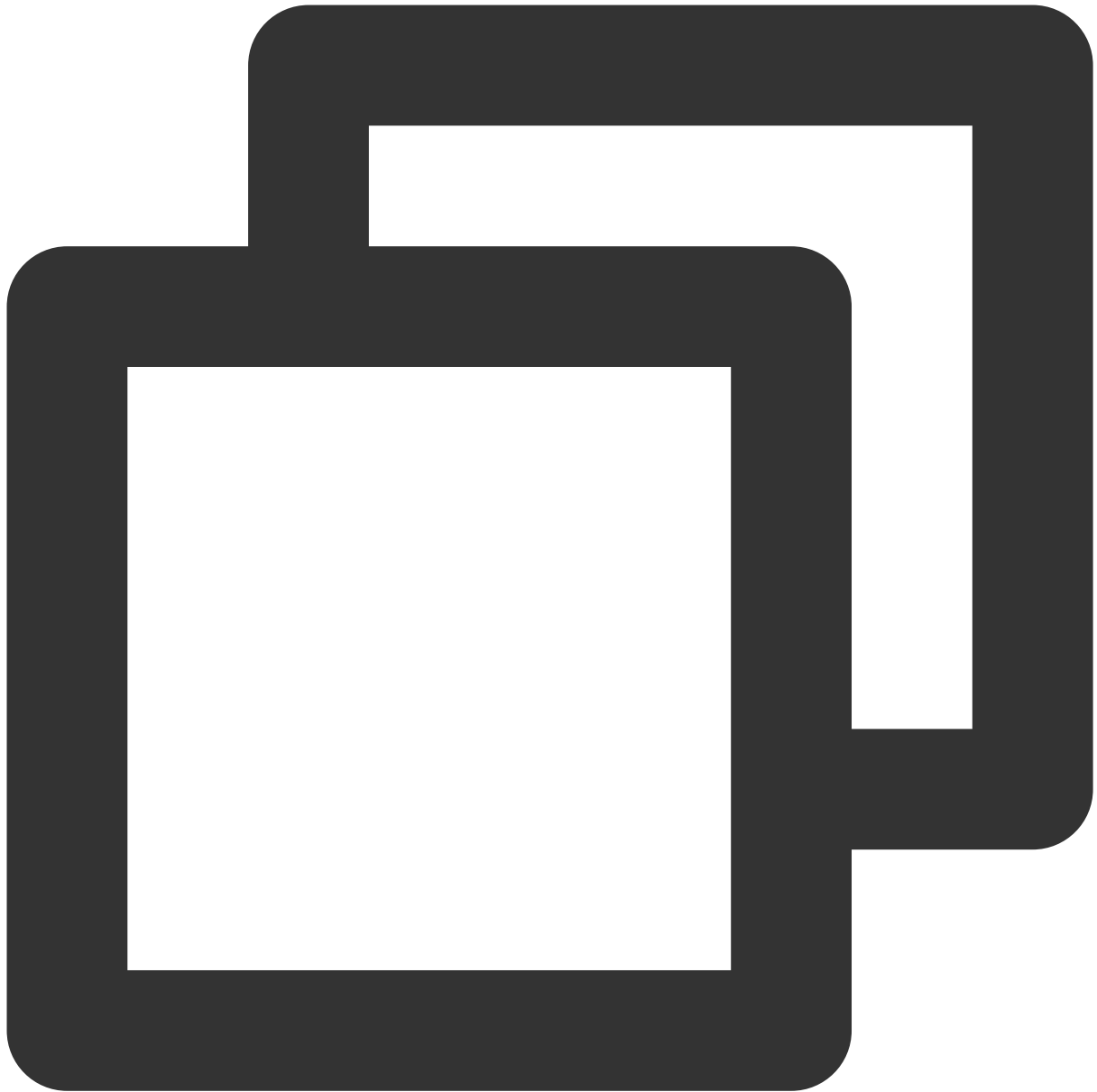
Parameter Name	Required	Type	Description
Name	Yes	String	CloudAudit name

Response Parameters

The response parameter is null.

Example

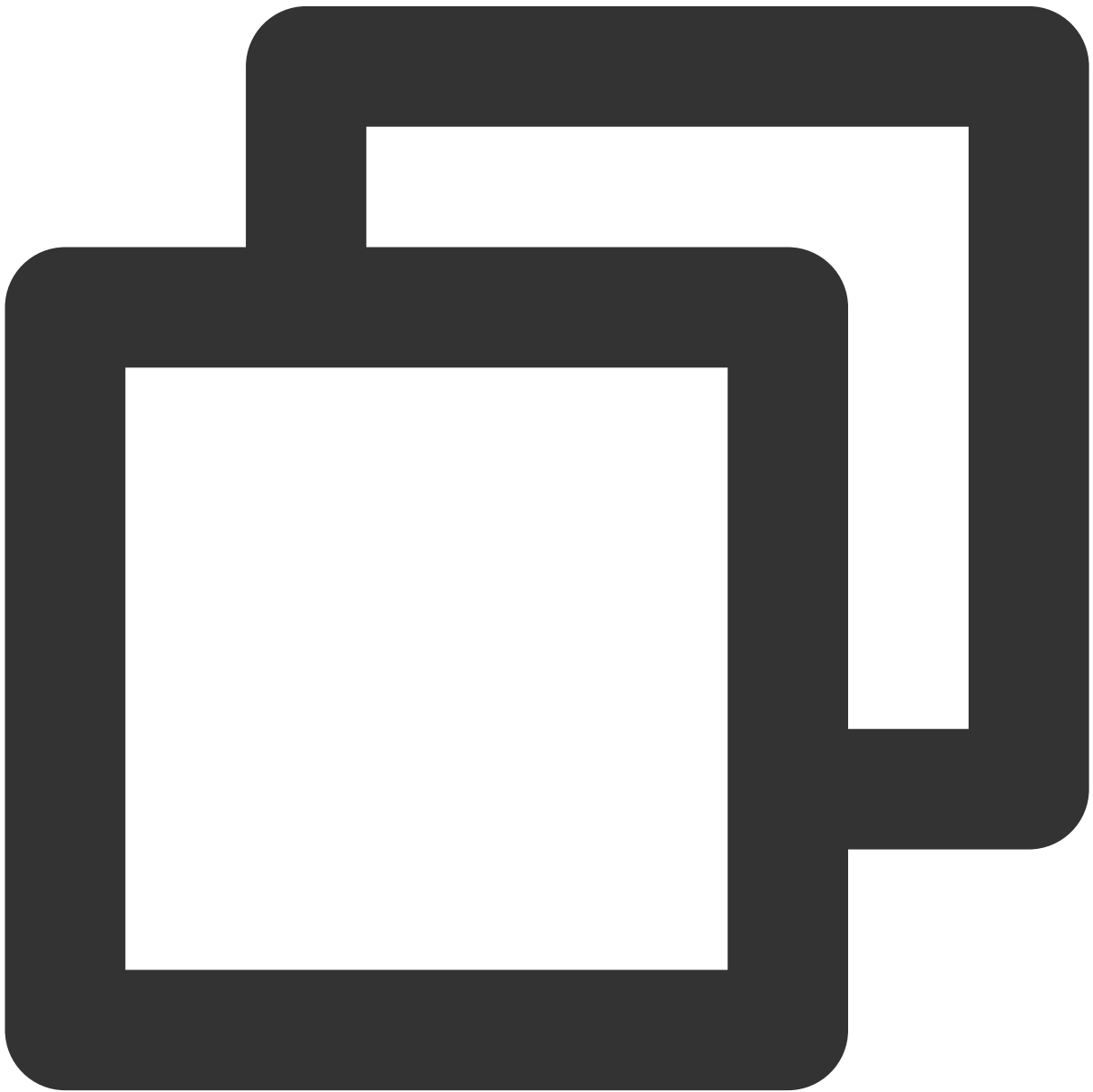
Request example



```
$config = array('SecretId'      => 'Your secretId',  
               'SecretKey'     => 'Your secretKey',  
               'RequestMethod' => 'GET',  
               'DefaultRegion' => 'gz');  
$ca = QcloudApi::load(QcloudApi::MODULE_CLOUDAUDIT, $config);  
$package = array('Name'=>'ayisunxxx');  
$a = $ca->DeleteAudit($package);  
if ($a === false) {  
    $error = $ca->getError();  
    echo "Error code:" . $error->getCode() . ".\\n";  
    echo "message:" . $error->getMessage() . ".\\n";  
}
```

```
    echo "ext:" . var_export($error->getExt(), true) . ".\\n";  
} else {  
    var_dump($a);  
}  
echo "\\nRequest :" . $sca->getLastRequest();  
echo "\\nResponse :" . $sca->getLastResponse();  
echo "\\n";
```

Response example



[]

Searching Operation Logs

Last updated : 2024-01-24 17:36:30

SDK Description

LookupEvents is used to search for operation logs to allow users to query operation information.

Request Parameters

Parameter Name	Required	Type	Description
EndTime	Yes	DateTime	End time
LookupAttributes	Yes	Array	Array of attributes, which supports only one element. If it is not specified, the first ten entries are returned.
MaxResults	No	Number	Number of entries returned. If it is not specified, 10 entries are returned. A maximum 50 entries are supported.
NextToken	No	String	It is used when more logs are loaded.
StartTime	Yes	DateTime	Start time

LookupAttributes is composed of the following parameters:

Parameter Name	Required	Type	Description
AttributeKey	No	String	Search types (enumeration values), including Username (user name), EventName (event name), ResourceType (resource type), ResourceName (resource name), EventSource (event source), and EventId (Event ID).
AttributeValue	No	String	Value

Response Parameters

Parameter Name	Type	Description
----------------	------	-------------

Events	Array	Array of events
NextToken	String	It is used when more logs are loaded.

Events is composed of the following parameters:

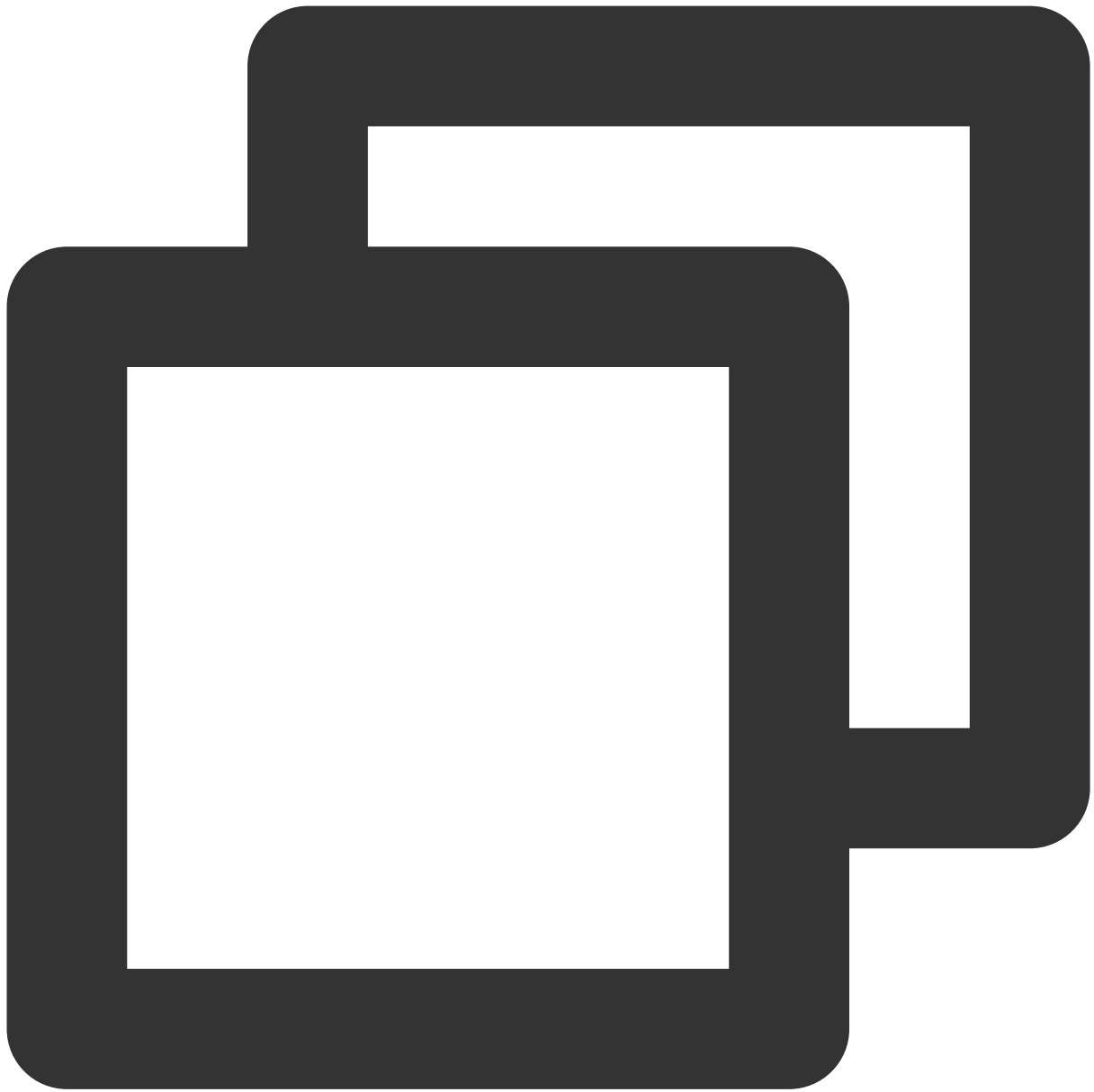
Parameter Name	Type	Description
CloudAuditEvent	String	Event string
EventId	String	Event ID
EventName	String	Event name
EventSource	String	Event source
EventRegion	String	Region
EventTime	String	Event time
SecretId	String	Access key
EventRegion	String	Region
ErrorCode	Number	Error code. 0: normal; other error codes: error.
RequestId	String	Request ID
AccountId	String	ID of the primary account
SourceIPAddress	String	Source IP address
Resources	Object	Resource
Username	String	User name. Primary account: root; sub-account: sub-account ID; role user: roleUser.

Resources is composed of the following parameters:

Parameter Name	Type	Description
ResourceName	String	Resource name
ResourceType	String	Resource type

Example

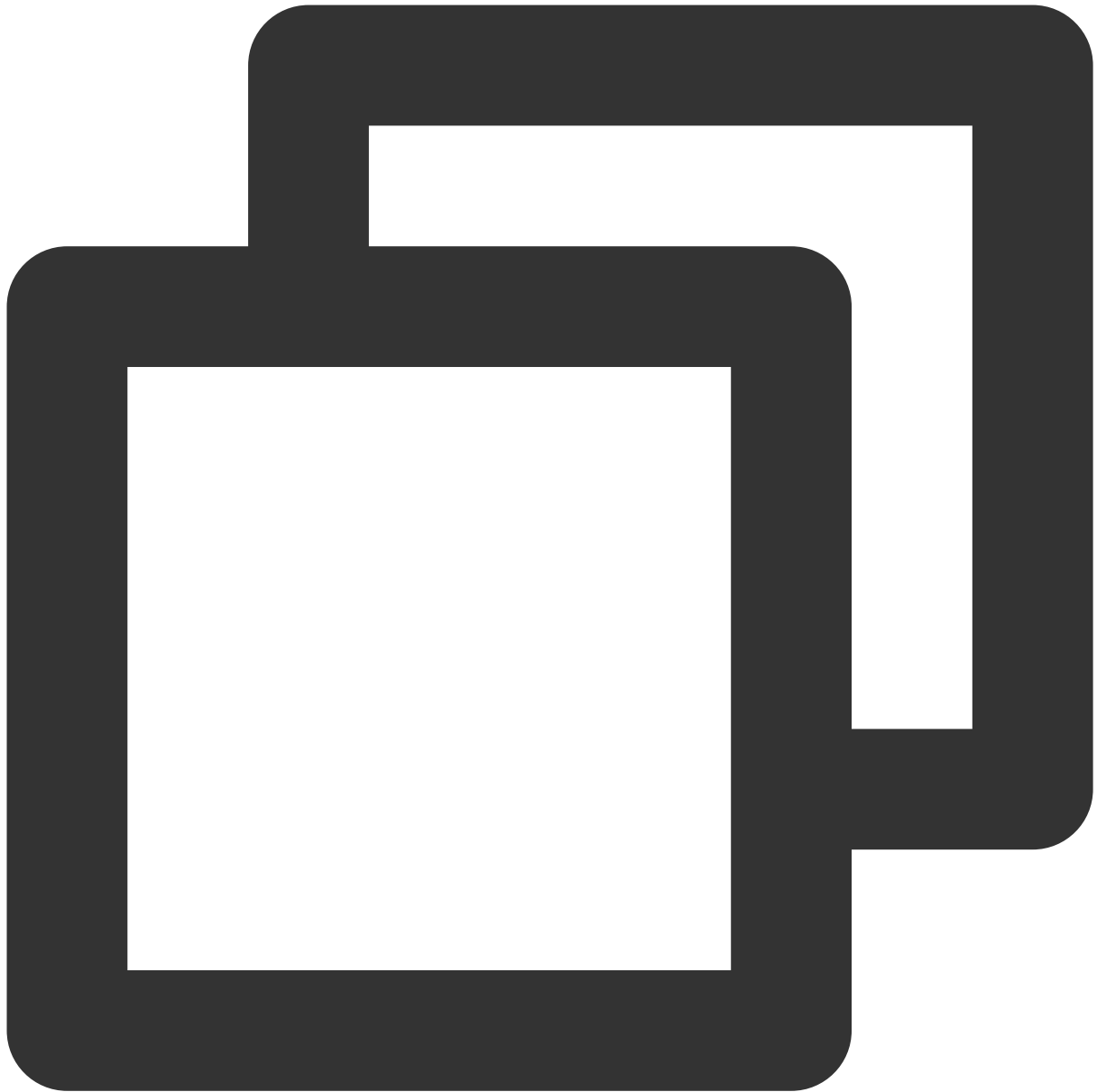
Request example



```
$config = array('SecretId'      => 'Your secretId',
                'SecretKey'    => 'Your secretKey',
                'RequestMethod' => 'GET',
                'DefaultRegion' => 'gz');
$ca = QcloudApi::load(QcloudApi::MODULE_CLOUDAUDIT, $config);
$nowTime = time();
$startTime = $nowTime-86400;
$package = array(
    'EndTime'=>$nowTime,
```

```
'LookupAttributes'=>'[{ "AttributeKey": "string", "AttributeValue": "LookupEvent"
'MaxResults'=>10,
'StartTime'=>$startTime
);
$a = $ca->LookUpEvents($package);
if ($a === false) {
    $error = $ca->getError();
    echo "Error code:" . $error->getCode() . ".\\n";
    echo "message:" . $error->getMessage() . ".\\n";
    echo "ext:" . var_export($error->getExt(), true) . ".\\n";
} else {
    var_dump($a);
}
echo "\\nRequest :" . $ca->getLastRequest();
echo "\\nResponse :" . $ca->getLastResponse();
echo "\\n";
```

Response example



```
{
  "Events": [
    {
      "CloudAuditEvent": "{\"userIdentity\":{\"type\":\"Root\"},\"princ
      \"EventId\": \"5e9ec3fae7d93fd346cc28d397d4f1db1\",
      \"EventName\": \"LookupEvents\",
      \"EventTime\": \"2017-11-02 19:08:14\",
      \"SecretId\": \"AKIDVu8FB*****4Rcb02UnvsdDdvxqX\",
      \"ErrorCode\": \"0\",
      \"RequestID\": 662138269,
      \"AccountID\": \"91000000009\",
```

```
"SourceIPAddress": "10.251.88.12",
"EventSource": "cloudaudit.api.tencentyun.com/v2/index.php",
"EventRegion": "ap-guangzhou",
"Resources": {
  "ResourceName": "*",
  "ResourceType": "cloudaudit"
},
"Username": "root"
},
{
  "CloudAuditEvent": "{\"userIdentity\":{\"type\":\"Root\"},\"principal\": \"root\"}",
  "EventId": "7f59b78fec0ffe363b8cd30aad159cc31",
  "EventName": "LookupEvents",
  "EventTime": "2017-11-02 15:56:53",
  "SecretId": "AKIDPh*****kEJLCqKbloJhx4yoGhv",
  "ErrorCode": "0",
  "RequestID": 1603560497,
  "AccountID": "91000000009",
  "SourceIPAddress": "14.17.22.36",
  "EventSource": "cloudaudit.api.tencentyun.com/v2/index.php",
  "EventRegion": "gz",
  "Resources": {
    "ResourceName": "*",
    "ResourceType": "cloudaudit"
  },
  "Username": "root"
},
{
  "CloudAuditEvent": "{\"userIdentity\":{\"type\":\"Root\"},\"principal\": \"root\"}",
  "EventId": "8311e673d12535f8a1ae66b163554c221",
  "EventName": "LookupEvents",
  "EventTime": "2017-11-02 15:56:47",
  "SecretId": "AKIDPh*****kEJLCqKbloJhx4yoGhv",
  "ErrorCode": "0",
  "RequestID": 1352885274,
  "AccountID": "91000000009",
  "SourceIPAddress": "14.17.22.36",
  "EventSource": "cloudaudit.api.tencentyun.com/v2/index.php",
  "EventRegion": "gz",
  "Resources": {
    "ResourceName": "*",
    "ResourceType": "cloudaudit"
  },
  "Username": "root"
},
{
  "CloudAuditEvent": "{\"userIdentity\":{\"type\":\"Root\"},\"principal\": \"root\"}"
```

```
    "EventId": "cc737c139d689b109c265561a7e5bfe61",
    "EventName": "LookupEvents",
    "EventTime": "2017-11-02 15:06:41",
    "SecretId": "AKIDVu8FB*****4RcbO2UnvsdDdvxqX",
    "ErrorCode": "0",
    "RequestId": 803010205,
    "AccountID": "91000000009",
    "SourceIPAddress": "14.17.22.36",
    "EventSource": "cloudaudit.api.cloud.tencent.com/v2/index.php",
    "EventRegion": "gz",
    "Resources": {
      "ResourceName": "*",
      "ResourceType": "cloudaudit"
    },
    "Username": "root"
  },
  "NextToken": "MjAxNzExMDIxMywyMDE3MTEwMjEyLDIwMTcxMTAyMTESMjAxNzExMDIxMCwyMDE3M",
  "ListOver": false
}
```