

# Alibaba Cloud ActionTrail

## Quick Start

Issue: 20190917

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# Generic conventions

Table -1: Style conventions

Style	Description	Example
	This warning information indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	 <b>Danger:</b> Resetting will result in the loss of user configuration data.
	This warning information indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	 <b>Warning:</b> Restarting will cause business interruption. About 10 minutes are required to restore business.
	This indicates warning information, supplementary instructions, and other content that the user must understand.	 <b>Notice:</b> Take the necessary precautions to save exported data containing sensitive information.
	This indicates supplemental instructions, best practices, tips, and other content that is good to know for the user.	 <b>Note:</b> You can use Ctrl + A to select all files.
>	Multi-level menu cascade.	Settings > Network > Set network type
<b>Bold</b>	It is used for buttons, menus, page names, and other UI elements.	Click OK.
<code>Courier</code> font	It is used for commands.	Run the <code>cd / d C :/ windows</code> command to enter the Windows system folder.
<i>Italics</i>	It is used for parameters and variables.	<code>bae log list --instanceid Instance_ID</code>
[ ] or [a b]	It indicates that it is a optional value, and only one item can be selected.	<code>ipconfig [-all -t]</code>

Style	Description	Example
<code>{}</code> or <code>{a b}</code>	It indicates that it is a required value, and only one item can be selected.	<code>switch {stand   slave}</code>



# Contents

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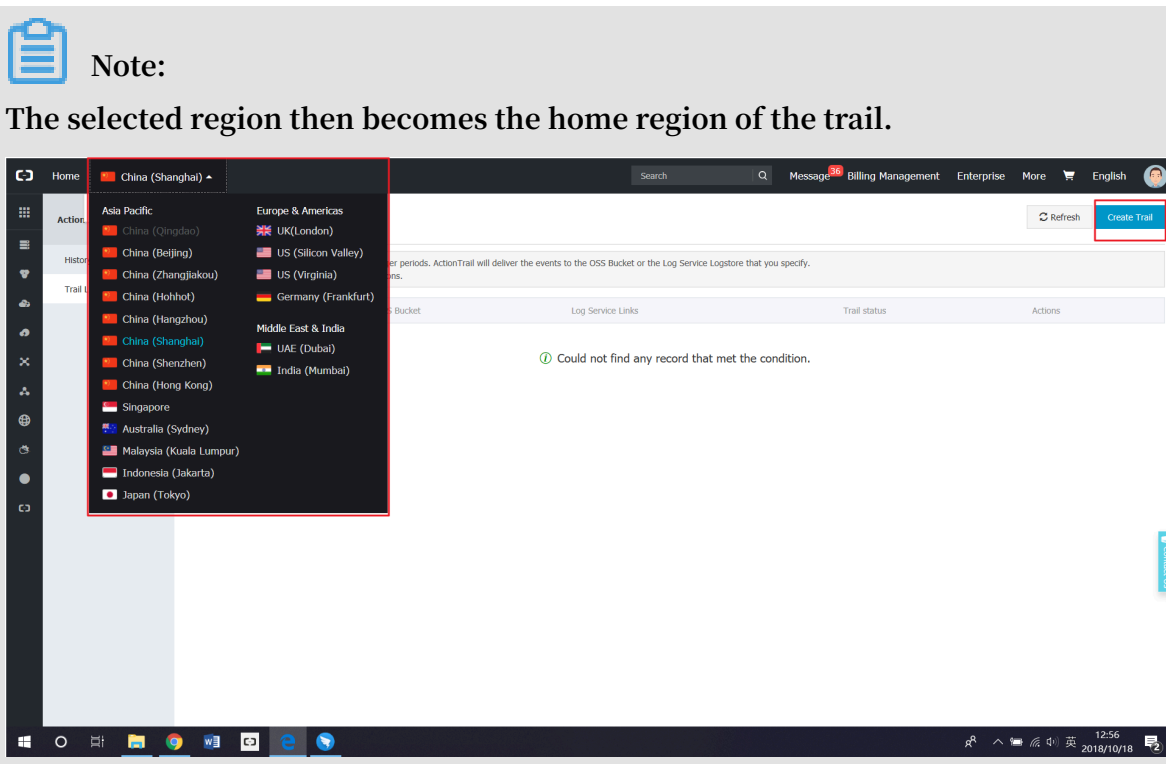
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# 1 Create a trail

## Procedure

1. Log on to the [ActionTrail console](#).
2. Click Trail list in the left-side navigation pane.
3. Select a region, then click Create Trail.



4. Enter a Trail name.
5. You can choose to ship audit events to Log Service or an OSS Bucket.

 **Note:**

**Select an event type based on your business needs.**

- **Log Service:** select a Log Service project region and enter a Log Service project name.

**ActionTrail** | Create Trail [← Back](#)

History Search

Trail List

A delivery target must be selected for a trail. Please select to deliver audit events to an OSS Bucket or to a Log Service Logstore.

\* Trail name

EventType ☐ Read ☒ Write ☐ All

**Delivery to OSS Bucket**

Create new OSS Bucket? ☐ Yes ☒ No

\* OSS Bucket

Log file prefix

**Delivery to Log Service**

Log Service Region

\* Log Service Project

Enable logging ☒

[Submit](#) [Clear](#)

- **OSS Bucket:** To create a new OSS bucket, select Yes, and enter a bucket name. To use an existing bucket, select No, and select a bucket from the drop-down OSS Bucket list.

ActionTrail

History Search

Trail List

Create Trail

Back

A delivery target must be selected for a trail. Please select to deliver audit events to an OSS Bucket or to a Log Service Logstore.

Trail name

at-product-account-audit

EventType

Read

Write

All

Delivery to OSS Bucket

Create new OSS Bucket?

Yes

No

OSS Bucket

at-product-account-audit

Log file prefix

secloud

Delivery to Log Service

Log Service Region

China (Shanghai)

Log Service Project

Please input a new or existing project

Enable logging

Submit

Clear

## 6. Click Submit.



### Note:

If this is the first trail you create, the system prompts a message indicating that you must authorize ActionTrail to access OSS and Log Service.

Cloud Resource Access Authorization

Note: If you need to modify role permissions, please go to the RAM Console. [Role Management](#). If you do not configure it correctly, the following role: ActionTrail will not be able to obtain the required permissions. X

ActionTrail needs your permission to access your cloud resources.

Authorize ActionTrail to use the following roles to access your cloud resources.

AliyunActionTrailDefaultRole

Description: Action Trail will use this role to access your resources in other services.

Permission Description: The policy for AliyunActionTrailDefaultRole.

Confirm Authorization Policy

Cancel

## Result

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- **Log Service: ActionTrail** automatically creates a Logstore named `actiontrail_name`, index, and chart, and saves the trail event in JSON format.

Search & Analysis ×

\* Field Search
Customize
Ngix Template
MNS Template

Key Name	Type	Enable Search			Include Chinese	Enable Analytics	Delete
		Alias	Case Sensitive	Delimiter:			
event	json		<input type="checkbox"/>	, "';=0000?@&<>./\	<input type="checkbox"/>	<input type="checkbox"/>	×
acsRegion	text				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	×
apiVersion	text				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	×
errorMessage	text				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	×
eventId	text				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	×
eventName	text				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	×
eventSource	text				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	×
eventType	text				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	×
eventVersion	text				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	×
requestId	text				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	×
requestParameters.HostId	text				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	×
requestParameters.Name	text				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	×
requestParameters.Region	text				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	×
serviceName	text				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	×
sourceIpAddress	text				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	×
userAgent	text				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	×
userIdentity.accessKeyId	text				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	×
userIdentity.accountId	text				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	×
userIdentity.principalId	text				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	×
userIdentity.type	text				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	×
userIdentity.userName	text				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	×

OK
Cancel

```

1  [Q]  09-19 14:00:37  {
    "_source": "actiontrail_internal",
    "_topic": "actiontrail_audit_event",
    "event": {
      "acsRegion": "cn-hangzhou",
      "additionalEventData": {
        "callbackUri": "https://actiontrail.console.aliyun.com/",
        "mfaChecked": "true",
        "errorMessage": "success",
        "eventId": "dc2a2fbb-71b9-45a6-9e99-4771c1d23780",
        "eventName": "ConsoleSignin",
        "eventSource": "signin.aliyun.com",
        "eventTime": "2018-09-19T06:00:37Z",
        "eventType": "ConsoleSignin",
        "eventVersion": "1",
        "requestId": "dc2a2fbb-71b9-45a6-9e99-4771c1d23780",
        "serviceName": "AasSub",
        "sourceIpAddress": "42.120.75.151",
        "userAgent": "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_0) AppleWebKit/537.36 (KHTML 7.100 Safari/537.36"
      },
      "userIdentity": {
        "accountId": "116214297",
        "principalId": "243873432",
        "type": "ram-user",
        "userName": "henshao"
      }
    }
  }

```

For more information, see [ActionTrail access log](#).

- **OSS Bucket:** ActionTrail records are saved to an OSS bucket as logs in a compressed JSON file. The maximum file size is 2 KB. You can further analyze the logs using E-MapReduce or a third-party log analysis service.

The format of OSS storage path:

```
oss ://< bucket >/< Log file prefix >/ AliyunLogs / Actiontrail
/< region >/< YYYY >/< MM >/< DD >/< Log file >
```

## 2 History search

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### Procedure

1. Log on to the [ActionTrail console](#).
2. In the left navigation pane, click History search, and you can see the operation records of the last 30 days.
3. Click an operation record to expand its details.
4. Apply a filter to query ActionTrail records.

**Note:**

The filter can perform queries based on criteria like the user name, event name, resource type, resource name, and time range.

### Result

**Note:**

Events for global services can be queried in historical events across all regions.