

Alibaba Cloud

ActionTrail Introduction

Document Version: 20220207

Legal disclaimer

Alibaba Cloud reminds you to carefully read and fully understand the terms and conditions of this legal disclaimer before you read or use this document. If you have read or used this document, it shall be deemed as your total acceptance of this legal disclaimer.

1. You shall download and obtain this document from the Alibaba Cloud website or other Alibaba Cloud-authorized channels, and use this document for your own legal business activities only. The content of this document is considered confidential information of Alibaba Cloud. You shall strictly abide by the confidentiality obligations. No part of this document shall be disclosed or provided to any third party for use without the prior written consent of Alibaba Cloud.
2. No part of this document shall be excerpted, translated, reproduced, transmitted, or disseminated by any organization, company or individual in any form or by any means without the prior written consent of Alibaba Cloud.
3. The content of this document may be changed because of product version upgrade, adjustment, or other reasons. Alibaba Cloud reserves the right to modify the content of this document without notice and an updated version of this document will be released through Alibaba Cloud-authorized channels from time to time. You should pay attention to the version changes of this document as they occur and download and obtain the most up-to-date version of this document from Alibaba Cloud-authorized channels.
4. This document serves only as a reference guide for your use of Alibaba Cloud products and services. Alibaba Cloud provides this document based on the "status quo", "being defective", and "existing functions" of its products and services. Alibaba Cloud makes every effort to provide relevant operational guidance based on existing technologies. However, Alibaba Cloud hereby makes a clear statement that it in no way guarantees the accuracy, integrity, applicability, and reliability of the content of this document, either explicitly or implicitly. Alibaba Cloud shall not take legal responsibility for any errors or lost profits incurred by any organization, company, or individual arising from download, use, or trust in this document. Alibaba Cloud shall not, under any circumstances, take responsibility for any indirect, consequential, punitive, contingent, special, or punitive damages, including lost profits arising from the use or trust in this document (even if Alibaba Cloud has been notified of the possibility of such a loss).
5. By law, all the contents in Alibaba Cloud documents, including but not limited to pictures, architecture design, page layout, and text description, are intellectual property of Alibaba Cloud and/or its affiliates. This intellectual property includes, but is not limited to, trademark rights, patent rights, copyrights, and trade secrets. No part of this document shall be used, modified, reproduced, publicly transmitted, changed, disseminated, distributed, or published without the prior written consent of Alibaba Cloud and/or its affiliates. The names owned by Alibaba Cloud shall not be used, published, or reproduced for marketing, advertising, promotion, or other purposes without the prior written consent of Alibaba Cloud. The names owned by Alibaba Cloud include, but are not limited to, "Alibaba Cloud", "Aliyun", "HiChina", and other brands of Alibaba Cloud and/or its affiliates, which appear separately or in combination, as well as the auxiliary signs and patterns of the preceding brands, or anything similar to the company names, trade names, trademarks, product or service names, domain names, patterns, logos, marks, signs, or special descriptions that third parties identify as Alibaba Cloud and/or its affiliates.
6. Please directly contact Alibaba Cloud for any errors of this document.

Document conventions

Style	Description	Example
 Danger	A danger notice indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	 Danger: Resetting will result in the loss of user configuration data.
 Warning	A warning notice indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	 Warning: Restarting will cause business interruption. About 10 minutes are required to restart an instance.
 Notice	A caution notice indicates warning information, supplementary instructions, and other content that the user must understand.	 Notice: If the weight is set to 0, the server no longer receives new requests.
 Note	A note indicates supplemental instructions, best practices, tips, and other content.	 Note: You can use Ctrl + A to select all files.
>	Closing angle brackets are used to indicate a multi-level menu cascade.	Click Settings > Network > Set network type .
Bold	Bold formatting is used for buttons, menus, page names, and other UI elements.	Click OK .
<code>Courier font</code>	Courier font is used for commands	Run the <code>cd /d C:/window</code> command to enter the Windows system folder.
<i>Italic</i>	Italic formatting is used for parameters and variables.	<code>bae log list --instanceid</code> <i>Instance_ID</i>
[] or [a b]	This format is used for an optional value, where only one item can be selected.	<code>ipconfig [-all -t]</code>
{ } or {a b}	This format is used for a required value, where only one item can be selected.	<code>switch {active stand}</code>

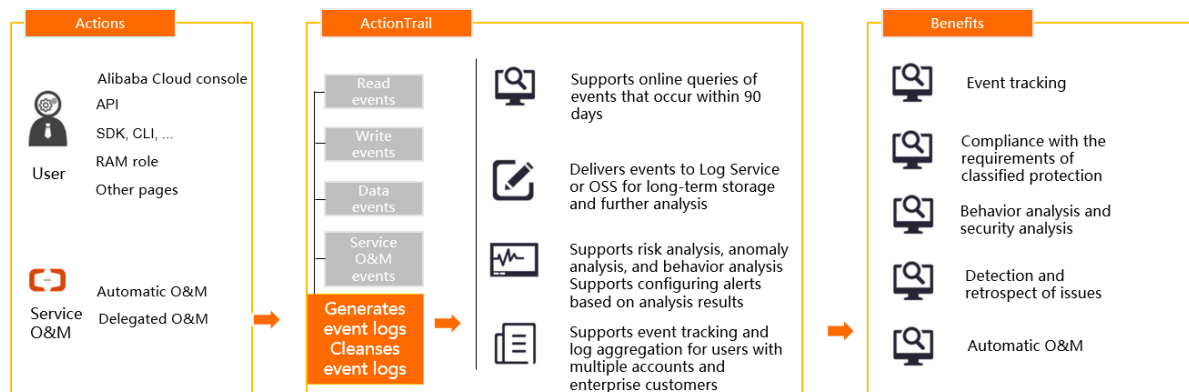
Table of Contents

1.What is ActionTrail?	05
2.Differences among a single-account trail, a multi-account trail,...	08
3.Terms	11
4.Limits	13
5.Supported regions	14
6.Supported Alibaba Cloud services and events	16

1. What is ActionTrail?

Alibaba Cloud ActionTrail is a service that monitors and records the actions of your Alibaba Cloud account, including the access to and use of cloud products and services through the Alibaba Cloud console, API operations, and SDKs. ActionTrail records these actions as events. You can download these events from the ActionTrail console or configure ActionTrail to deliver these events to Log Service Logstores or Object Storage Service (OSS) buckets. Then, you can perform behavior analysis, security analysis, resource change tracking, and compliance auditing based on the events.

The following figure shows the architecture of ActionTrail.



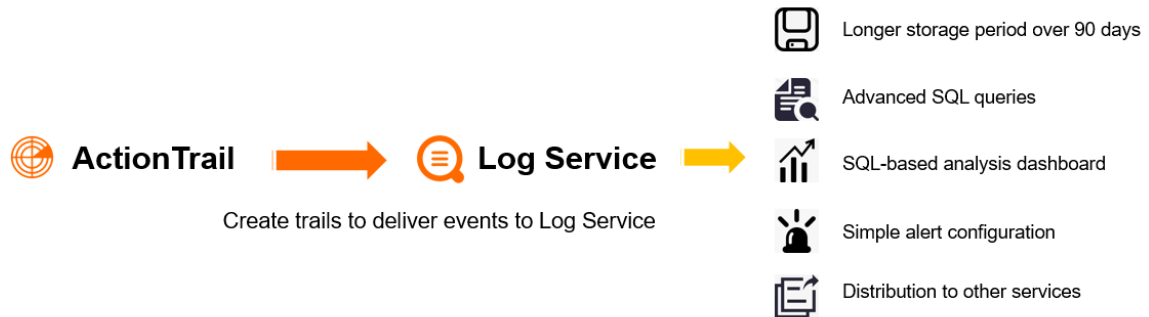
Features

- **Out-of-box service:** By default, ActionTrail tracks the actions of your Alibaba Cloud account in the last 90 days and records them as events. You can query these events in the ActionTrail console without any configuration.
- **Self-service management:** You can create a trail to enable ActionTrail to deliver events to a Log Service Logstore as logs or to an OSS bucket as log files. You can manage the logs by using the retrieval and analysis features of Log Service or transferring the logs to big data services. For example, you can authorize other services to access the logs, define the lifecycle rules of the logs, archive, retrieve, and analyze the logs, and configure alert rules based on the logs.
- **Multi-dimensional event query:** ActionTrail allows you to query events from multiple dimensions, such as the event time, username, resource type, resource name, and event name.

Scenarios

- **Compliance with requirements of classified protection:** According to the Baseline for Classified Protection of Cybersecurity 2.0, you must record the actions of your Alibaba Cloud account and store the corresponding records for at least six months. ActionTrail records the actions as events and allows you to deliver events to Log Service Logstores or OSS buckets for long-term storage. This makes sure that your business complies with the requirements of classified protection.
- **Security analysis:** ActionTrail records the actions of your Alibaba Cloud account in detail as events so that you can identify security issues of your Alibaba Cloud account based on the events.

For example, you can configure a trail to enable delivery of events as logs to a specific Log Service Logstore. This not only enables you to store the logs for a longer period of time but also allows you to execute SQL statements to analyze the logs.



- **Resource change tracking:** Based on the events recorded by ActionTrail, you can locate the cause of an anomaly that occurs during the use of your resources. For example, if one of your ECS instances is shut down, you can use ActionTrail to locate the person who initiated the shut down event, the time when the shutdown event occurred, and the IP address from which the shutdown event was initiated.
- **Compliance auditing:** If you use the Resource Access Management (RAM) service to manage the members in your organization, ActionTrail records the actions of each member in detail as events. This makes sure that the actions of all members meet the compliance auditing requirements of your organization. You can also create multiple trails to track different types of events in different regions and deliver the events to different OSS buckets or Log Service Logstores based on the responsibilities of auditors.

For example, if you have deployed resources on the Alibaba Cloud sites both in and outside China, you can create multiple trails to track the events that occur in different countries and regions and deliver the events to local storage objects based on the specific data security requirements of each country or region.

Benefits

- **Quick recording:** ActionTrail records the actions that you take in the Alibaba Cloud console or through API operations and the actions triggered by Alibaba Cloud services through RAM roles. When an action is taken, ActionTrail tracks and records the action in 10 minutes.
- **Detailed records:** ActionTrail records the detailed contextual information of your actions. You can query events corresponding to the actions taken in the last 90 days in the ActionTrail console or through API operations. For example, you can use ActionTrail to obtain the following information about a certain action: the person who initiated the action, the time when the action occurred, the target of the action, the IP address from which the action was initiated, whether the action was taken in the Alibaba Cloud console or through API operations, the result of the action, and the cause of failure in cases where the action failed.
- **High stability and reliability:** ActionTrail allows you to deliver events to OSS and Log Service, which provide extremely high availability and guarantee the security of audit data through encryption and access control. When an event is delivered, ActionTrail sends you a notification.
- **Custom tracking:** ActionTrail allows you to create up to five trails in each region to deliver events to OSS buckets or Log Service Logstores. This helps you track different types of events that occur in different regions and back up various types of audit data for organization members according to their responsibilities.

Note Note that you shall avoid delivering events of the same type that occur in the same region to a single OSS bucket or Log Service Logstore.

- **Transparent O&M:** ActionTrail records actions related to Alibaba Cloud services as events and stores event logs in a near real-time manner. Integrated with Log Service, it also provides O&M features, including querying and analyzing event logs, configuring alerts, and generating reports. Backed by these transparent O&M features, ActionTrail can meet your requirements on analyzing and auditing actions related to Alibaba Cloud services.


2.Differences among a single-account trail, a multi-account trail, and a trail for the Inner-ActionTrail feature

ActionTrail allows you to create multiple single-account trails, one multi-account trail, and one trail for the Inner-ActionTrail feature as required.

The following table describes the differences among a single-account trail, a multi-account trail, and a trail for the Inner-ActionTrail feature.

Item	Single-account trail	Multi-account trail	Trail for the Inner-ActionTrail feature
Scenario	<p>An individual user can create a single-account trail to deliver events to a Log Service Logstore or an Object Storage Service (OSS) bucket.</p> <p>An individual user can create multiple single-account trails to achieve the following goals:</p> <ul style="list-style-type: none">• Assume different roles to audit different types of events.• Manage the audit data for multiple regions in a compliant manner.• Create multiple replicas for an event.	<p>After an enterprise creates a resource directory, the master account can create a multi-account trail to deliver events of all member accounts in the resource directory to a Log Service Logstore or an OSS bucket.</p>	<p>An individual user can create a trail for the Inner-ActionTrail feature to deliver Alibaba Cloud-initiated events that are generated when the Alibaba Cloud O&M team maintains services for the user to a Log Service Logstore.</p>
Creation method	<p>All Alibaba Cloud accounts can create single-account trails.</p>	<p>After an enterprise creates a resource directory and establishes an organizational structure in the resource directory, the master account can create a multi-account trail in the ActionTrail console.</p>	<p>Submit a ticket or ask your sales manager to add you to the whitelist of users who can create a trail for the Inner-ActionTrail feature.</p>

Item	Single-account trail	Multi-account trail	Trail for the Inner-ActionTrail feature
Supported Alibaba Cloud service	Alibaba Cloud services that support ActionTrail	Alibaba Cloud services that support ActionTrail	Key Management Service (KMS), Data Security Center (DSC), OSS, Elastic Compute Service (ECS), ApsaraDB RDS, Container Service for Kubernetes (ACK), Container Registry (ACR), and E-MapReduce (EMR)
Supported accounts	All Alibaba Cloud accounts	Master accounts	All Alibaba Cloud accounts
Types of events to be delivered	Events that are generated when an individual user uses the Alibaba Cloud Management Console, API operations, or developer tools to access and manage Alibaba Cloud services	Events that are generated when an enterprise user uses the Alibaba Cloud Management Console, API operations, or developer tools to access and manage Alibaba Cloud services	Alibaba Cloud-initiated events that are generated when the Alibaba Cloud O&M team maintains services for a user
Scope of events to be delivered	Events of the current account	Events of all member accounts	Alibaba Cloud-initiated events of the current account
Storage services for delivered events	<ul style="list-style-type: none"> Log Service OSS 	<ul style="list-style-type: none"> Log Service OSS 	Log Service
Event query methods	<ul style="list-style-type: none"> ActionTrail console LookupEvents operation OSS console Log Service console 	<ul style="list-style-type: none"> Master account: <ul style="list-style-type: none"> ActionTrail console LookupEvents operation Member account: <ul style="list-style-type: none"> OSS console Log Service console 	<ul style="list-style-type: none"> ActionTrail console Log Service console
Maximum number of trails allowed	Five in each region	One for all regions	One for all regions

Item	Single-account trail	Multi-account trail	Trail for the Inner-ActionTrail feature
Event storage path in an OSS bucket	<ul style="list-style-type: none"> Management events: <code>oss://<bucket>/<Log file prefix>/AliyunLogs/Actiontrail/<region>/<YYYY>/<MM>/<DD>/<Log file></code> Insight events: <code>oss://<bucket>/<Log file prefix>/AliyunLogs/Actiontrail-Insight/<region>/<YYYY>/<MM>/<DD>/<Log file></code> <div>  Note To store insight events, you must apply for required permissions. For more information, see Overview of insight events. </div>	<code>oss://<bucket>/<Log file prefix>/AliyunLogs/Actiontrail/rd_id/accountid/regionid/yyyy/mm/dd/Log file name</code>	N/A
Default name of a Log Service Logstore to store events	<code>actiontrail_Single-account trail name</code>	<code>actiontrail_Multi-account trail name</code>	<code>innertrail_Name of the trail for the Inner-ActionTrail feature</code>

3. Terms


This topic describes the basic terms that are involved in ActionTrail. The information helps you better understand and use this service.

Term	Description
management account	<p>A management account is used to enable a resource directory and is the super administrator of the resource directory. The management account has all administrative permissions on the resource directory and the member accounts in the resource directory. Only an Alibaba Cloud account that has passed enterprise real-name verification can be used as a management account. Each resource directory has only one management account.</p>
member account	<p>A member account serves as a container for resources and an organizational unit in the resource directory involved. A member account indicates a project or an application. The resources of different member accounts are isolated. You can use a management account to authorize RAM users, user groups, or roles to access the resources of member accounts.</p> <p>You can use a management account to invite a member account to join the resource directory involved or create a member account in the resource directory.</p>
user-initiated event	<p>A user-initiated event is a record that is generated when you use the Alibaba Cloud Management Console, API operations, or developer tools to access and manage services on Alibaba Cloud. A user-initiated event records information about an operation that you perform. The information includes the operation time, username, resource, operation type, operation result, and source IP address. User-initiated events can be classified into management events and insight events based on event sources.</p>
management event	<p>A management event is a record that is generated when you perform a control plane operation but not a data plane operation to manage resources on Alibaba Cloud. For example, a management event is generated when you create or delete an ApsaraDB RDS instance or an Object Storage Service (OSS) bucket. However, no management events are generated when you perform operations on the tables in an ApsaraDB RDS instance or the objects in an OSS bucket.</p>

Term	Description
insight event	An insight event is a record that indicates an exception that is identified based on the analysis of management events. This helps you identify unusual operations that are recorded in management events. Only insight events of the IPInsight type are supported. After you enable the insight event feature for a trail, ActionTrail determines the usual IP addresses based on the historical management events recorded by the trail. If an operation is performed from an unfamiliar IP address that is not in the whitelist, ActionTrail compares the IP address with the usual IP addresses and determines whether it is unusual. If an IP address is considered unusual, an IPInsight event is generated to inform you of the exception.
global service	A global service applies to all regions of Alibaba Cloud, such as Resource Access Management (RAM). Global services generate global events.
global event	A global event is a record of a global service. On the Event Detail Query page in the ActionTrail console, you can select a region to view all the global events. After you create a trail to deliver events to a specified OSS bucket, global events are recorded in the same directory as the events that occur in the home region of the trail.
home region	A home region is the region where a trail is created.
trail	A trail is created to deliver events to a specified OSS bucket or Log Service Logstore for storage and further analysis. Trails are divided into the following categories based on the creator, applicable scope, and delivered content: single-account trails, multi-account trails, and trails for the Inner-ActionTrail feature.
single-account trail	A single-account trail is a trail that is created to track and record the events of the Alibaba Cloud account that is used to create the trail.
multi-account trail	A multi-account trail is a trail that is created by using a management account to track and record the events of all member accounts. A multi-account trail can deliver the events of all member accounts in a resource directory to a specified OSS bucket or Log Service Logstore.
Alibaba Cloud-initiated event	An Alibaba Cloud-initiated event is a record that is generated when the Alibaba Cloud O&M team maintains services for you. You can create a trail for the Inner-ActionTrail feature to deliver Alibaba Cloud-initiated events to a specified storage object.
trail for the Inner-ActionTrail feature	A trail for the Inner-ActionTrail feature is a trail that is created by using an Alibaba Cloud account to deliver Alibaba Cloud-initiated events to a specified storage object.
shadow trail	A shadow trail is a trail that ActionTrail creates by replicating the configurations of a trail that you create to track events in multiple regions. ActionTrail creates a shadow trail in each of the regions to track and record the events in these regions.

4.Limits

This topic describes the limits in ActionTrail.

Item	Upper limit
Number of trails that can be created by an Alibaba Cloud account	<ul style="list-style-type: none">Single-account trails: up to five in each regionMulti-account trails: only one, shared by all regionsTrails for the Inner-ActionTrail feature: only one, shared by all regions
Number of Object Storage Service (OSS) buckets that can be configured for a trail	1
Waiting time to query an event by using the Alibaba Cloud Management Console after the event occurs	10 minutes
Waiting time to query an event in the destination OSS bucket after the event occurs	10 minutes
Number of days that events are retained for query by using the Alibaba Cloud Management Console or calling API operations <div> Note By default, ActionTrail records the events that were generated within your Alibaba Cloud account in the last 90 days. You can query these events in the ActionTrail console. To query the events that were generated 90 days ago, you must create a trail first to record these events.</div>	90 days
Number of times that historical events delivered by a single-account trail can be queried per second by using the Alibaba Cloud Management Console or calling the LookupEvents operation	2

5.Supported regions

This topic describes the regions that are supported by ActionTrail.


Regions for Alibaba Cloud

- China (Hangzhou)
- China (Shanghai)
- China (Qingdao)
- China (Beijing)
- China (Zhangjiakou)
- China (Hohhot)
- China (Ulaanbaatar)
- China (Shenzhen)
- China (Heyuan)
- China (Guangzhou)
- China (Chengdu)
- China (Hong Kong)
- Singapore (Singapore)
- Australia (Sydney)
- Malaysia (Kuala Lumpur)
- Indonesia (Jakarta)
- Japan (Tokyo)
- Germany (Frankfurt)
- UK (London)
- US (Silicon Valley)
- US (Virginia)
- India (Mumbai)
- UAE (Dubai)

Regions for Alibaba Finance Cloud

ActionTrail is deployed on Alibaba Finance Cloud only in the China East 2 Finance region. To query the events that occur on Alibaba Gov Cloud, you must select the China East 2 Finance region in the ActionTrail console.


- China East 1 Finance
- China East 2 Finance
- China South 1 Finance
- China North 1 Finance

 **Note** By default, all the global events that occur on Alibaba Finance Cloud are recorded as events that occur in the China East 1 Finance region.

Regions for Alibaba Gov Cloud

ActionTrail is deployed on Alibaba Gov Cloud only in the China North 2 Ali Gov 1 region. Events that occur on Alibaba Gov Cloud are delivered to the China North 2 Ali Gov 1 region.

- Alibaba Gov Cloud
- China North 2 Ali Gov 1

 **Note** By default, all the global events that occur on Alibaba Gov Cloud are recorded as events that occur in the China (Hangzhou) region.

6.Supported Alibaba Cloud services and events

This topic describes the Alibaba Cloud services and events that are supported by ActionTrail. This topic also describes the special events that are not supported by ActionTrail.

Elastic computing

Service name	Service code	Support for service events
Elastic Compute Service	Ecs	N/A
Auto Scaling	Ess	N/A
Container Service for Kubernetes	CS	N/A
Container Registry	cr	N/A
Simple Application Server	SWAS	N/A
Batch Compute	BatchCompute	N/A
Elastic High Performance Computing	EHPC	N/A
Web App Service	WebPlus	N/A
Elastic Container Instance	Eci	N/A
Function Compute	FC	N/A
Elastic Desktop Service	ECD	N/A
Elastic Block Storage	EBS	N/A
Serverless Workflow	FnF	N/A

Storage

Service name	Service code	Support for service events
Apsara File Storage NAS	NAS	N/A

Service name	Service code	Support for service events
Object Storage Service	Oss	<p>ActionTrail allows you to query only user-initiated events for Object Storage Service (OSS) buckets. For information about the user-initiated events for OSS buckets, see Special event type and services.</p> <p>You may manage OSS buckets by assuming a RAM role or by using the permissions that are granted by the Alibaba Cloud account that owns the buckets. In this case, your identity information may be inaccurate. OSS can identify whether your identity information is accurate for a single bucket user-initiated event only after all information about the event is recorded. The service team for OSS is trying to resolve this issue.</p>
Intelligent Media Management	IMM	N/A
Cloud Storage Gateway	CloudStorageGateway	N/A
Hybrid Backup Recovery	HBR	N/A
Lightning Cube	HcsMgw	N/A
Log Service	SLS	N/A

Database

Service name	Service code	Support for service events
ApsaraDB RDS	Rds	N/A
Data Transmission Service	Dts	N/A
HybridDB for PostgreSQL	gpdb	N/A
ApsaraDB for Redis	R-kvstore	N/A
PolarDB-X	Drds	N/A
ApsaraDB for MongoDB	Dds	N/A
Tablestore	OTS	N/A

Service name	Service code	Support for service events
AnalyticDB for MySQL V2.0	ADS	N/A
ApsaraDB for HBase	HBase	N/A
Time Series Database	TSDB	TSDB event reference
ApsaraDB for Cassandra	Cassandra	ApsaraDB for Cassandra event reference
ApsaraDB for OceanBase	OceanBase	N/A
Advanced Database & Application Migration	ADAM	N/A
Database Backup	DBS	N/A
Data Lake Analytics	DataLakeAnalytics	N/A

Networking

Service name	Service code	Support for service events
Virtual Private Cloud	Vpc	N/A
NAT Gateway	Vpc	N/A
Elastic IP Address	Vpc	N/A
Express Connect	Vpc	N/A
Global Accelerator	Vpc	N/A
Cloud Enterprise Network	Cen	N/A
Classic Load Balancer	Slb	N/A
Application Load Balancer	ALB	N/A
Smart Access Gateway	Smartag	N/A
PrivateLink	Privatelink	N/A
Alibaba Cloud DNS PrivateZone	PrivateZone	Alibaba Cloud DNS PrivateZone event reference
Global Accelerator	Ga	N/A

Media services and CDN

Service name	Service code	Support for service events
Alibaba Cloud CDN	Cdn	N/A
ApsaraVideo VOD	vod	N/A
ApsaraVideo Live	live	N/A
ApsaraVideo for Media Processing	Mts	N/A
Dynamic Route for CDN	DCDN	N/A
Edge Node Service	ENS	N/A

Domains and hosting

Service name	Service code	Support for service events
Domains	Domain/Domain-intl	N/A
Alibaba Cloud DNS	Alidns	N/A

Application services

Service name	Service code	Support for service events
API Gateway	CloudAPI	N/A
Blockchain as a Service	Baas	N/A

Middleware

Service name	Service code	Support for service events
Message Queue for Apache RocketMQ	Ons	N/A
Message Queue for Apache Kafka	AliKafka	N/A
Application Configuration Management	ACM	N/A
EventBridge	EventBridge	N/A

Cloud communications

Service name	Service code	Support for service events
Short Message Service	Dysms	N/A

Service name	Service code	Support for service events
Short Message Service API	Dysmsapi	N/A
ChatAPP	ChatAppMessageService	N/A

Security

Service name	Service code	Support for service events
Anti-DDoS Premium	ddosdip	N/A
Anti-DDoS Pro	ddoscoo	N/A
Web Application Firewall	Waf	N/A
Web Application Firewall API	waf-openapi	N/A
Server Guard	aegis	N/A
Cloud Firewall	Cloudfw	N/A
Website Threat Inspector	avds	N/A
SSL Certificates Service	cas	N/A
Security Center	Sas	N/A
Content Moderation	Green	N/A
Fraud Detection	SAF	N/A
GameShield	Gameshield	N/A
Managed Security Service	Mssp	N/A

Big data

Service name	Service code	Support for service events
E-MapReduce	Emr	N/A
Quick BI	quickbi	N/A
DataWorks	DataWorks	N/A
Elasticsearch	ElasticSearch	N/A
DataV	DataV	N/A

AI

Service name	Service code	Support for service events
Machine Learning Platform for AI	PAI	ActionTrail allows you to query only the user-initiated events of Deep Learning Containers (DLCs) for Machine Learning Platform for AI (PAI).

Containers and middleware

Service name	Service code	Support for service events
Message Service	MNS	N/A
Enterprise Distributed Application Service	EDAS	N/A

IoT

Service name	Service code	Support for service events
IoT Platform	iot	N/A

Management and monitoring

Service name	Service code	Support for service events
CloudMonitor	Cms	N/A
Resource Access Management	Ram	N/A
Identity Management Service	Ims	N/A
Aas	Aas	N/A
AasCustomer	AasCustomer	N/A
AasSub	AasSub	N/A
Security Token Service	Sts	N/A
Resource Management	ResourceManager	N/A
ActionTrail	Actiontrail	N/A
Cloud Config	Config	N/A
Resource Orchestration Service	ROS	N/A
Key Management Service	Kms	N/A

Membership services

Service name	Service code	Support for service events
Billing Management API	BssOpenApi	N/A

Development and O&M

Service name	Service code	Support for service events
Application High Availability Service	AHAS	N/A
Tracing Analysis	Tracing	N/A
Logic Composer	LC	N/A
CloudSSO	CloudSSO	N/A
Application Real-Time Monitoring Service	ARMS	N/A

Enterprise applications and services

Service name	Service code	Support for service events
Direct Mail	DirectMail	N/A

Special event type and services

The account-related event type and some Alibaba Cloud services that involve operations on data are not fully supported by ActionTrail. The following table describes the events that are supported and the events that are not supported for the specific event type and Alibaba Cloud services. In most cases, data-related events are not supported by ActionTrail, such as uploading files to or downloading objects from OSS buckets.

Service name or event type	Supported events	Unsupported events
Account-related event	<ul style="list-style-type: none">Unusual logon by using an Alibaba Cloud accountPassword resetting for an Alibaba Cloud account	N/A
	ActionTrail supports the following user-initiated events for OSS buckets: <ul style="list-style-type: none">DeleteBucketDeleteBucketCorsDeleteBucketEncryptionDeleteBucketEventNotificationDeleteBucketInventory	

Service name or event type	Supported events	Unsupported events
Object Storage Service	<ul style="list-style-type: none"> DeleteBucketLifecycle DeleteBucketLog DeleteBucketNotification DeleteBucketPolicy DeleteBucketQoSInfo DeleteBucketReplication DeleteBucketTagging DeleteBucketWebSite DeleteBucketWebSite GetBucketAcl GetBucketCors GetBucketEncryption GetBucketEventNotification GetBucketInfo GetBucketInventory GetBucketLifecycle GetBucketLocation GetBucketLog GetBucketMimeType GetBucketNotification GetBucketPolicy GetBucketQoSInfo GetBucketReferer GetBucketReplication GetBucketReplicationLocation GetBucketReplicationProgress GetBucketRequestPayment GetBucketStat GetBucketTagging GetBucketTransferAcceleration GetBucketUserQos GetBucketVersioning GetBucketVersions GetBucketWebSite GetBucketWorm PutBucket PutBucketCors PutBucketEncryption PutBucketEventNotification PutBucketHash PutBucketInventory PutBucketLifecycle PutBucketLog PutBucketNotification 	<p>ActionTrail does not support the events that are related to objects or LiveChannels for OSS.</p> <p>Examples of events that are not supported:</p> <ul style="list-style-type: none"> PutObject GetObject CopyObject AppendObject DeleteObject DeleteMultipleObjects PutObjectACL GetObjectACL PutObjectTagging GetObjectTagging DeleteObjectTagging PutLiveChannelStatus PutLiveChannel GetVodPlaylist PostVodPlaylist GetLiveChannelStat GetLiveChannelInfo GetLiveChannelHistory ListLiveChannel DeleteLiveChannel

Service name or event type	Supported events	Unsupported events
	<ul style="list-style-type: none"> PutBucketPolicy PutBucketQoSInfo 	
	<ul style="list-style-type: none"> PutBucketReferer PutBucketReplication PutBucketRequestPayment PutBucketTagging PutBucketTransferAcceleration PutBucketUserQoS PutBucketVersioning PutBucketWebSite 	
Log Service	<p>ActionTrail supports the user-initiated events for Log Service in the following regions:</p> <ul style="list-style-type: none"> China (Shanghai) China (Chengdu) Singapore (Singapore) UK (London) Germany (Frankfurt) Indonesia (Jakarta) Malaysia (Kuala Lumpur) Australia (Sydney) US (Silicon Valley) US (Virginia) UAE (Dubai) Japan (Tokyo) 	<p>Examples of events that are not supported:</p> <ul style="list-style-type: none"> GetProjectLogs GetLogs GetHistograms GetCursor ListShards MergeShards PutLogs PullLogs CreateAlert UpdateAlert DeleteAlert GetAlert ListAlert
Message Queue for Apache RocketMQ	User-initiated events	The events that are generated when you call SDKs to receive or send messages by using an AccessKey pair

Service name or event type	Supported events	Unsupported events
Tablestore	User-initiated events	<p>Examples of events that are not supported:</p> <ul style="list-style-type: none"> • GetRow • PutRow • UpdateRow • DeleteRow • GetRange • BatchGetRow • BatchWriteRow • CreateTable • ListTable • DeleteTable • UpdateTable • DescribeTable • CreateIndex • DeleteIndex
Message Service	User-initiated events	<p>Examples of events that are not supported:</p> <ul style="list-style-type: none"> • SendMessage • BatchSendMessage • ReceiveMessage • BatchReceiveMessage • DeleteMessage • BatchDeleteMessage • PeekMessage • BatchPeekMessage • ChangeMessageVisibility • SetSubscriptionAttributes • GetSubscriptionAttributes • PublishMessage