

Message Service

Developer Guide

Developer Guide

Overview

Alibaba Cloud Message Service (Message Service) is an auto scalable and distributed message service featuring efficiency, reliability, security, and convenience. Message Service helps application developers transfer data freely on distributed components of their applications to build a loosely coupled system.

This guide comprehensively describes usage of the queue model and topic subscription model; clarifies the use of Message Service in combination with other Alibaba Cloud services, such as RAM, Cloud Monitor, and Log Service; and provides various features and best practice cases.

| Resource | Description |
|---|---|
| Alibaba Cloud Message Service quick start | Describes basic tasks of Alibaba Cloud Message Service. |
| Alibaba Cloud Message Service developer guide (this document) | Describes core concepts of Alibaba Cloud Message Service, all functions and operation procedures, as well as O&M methods for RAM, Cloud Monitor, and Log Service. |
| Alibaba Cloud Message Service console help | Alibaba Cloud Message Service console enables you to implement some Message Service functions over interfaces. This document describes all operations on Alibaba Cloud Message Service console. |
| Alibaba Cloud Message Service best practices | Describes various application scenarios and practice cases of Alibaba Cloud Message Service. |
| Alibaba Cloud Message Service buying guide | Describes prices and billing methods of Alibaba Cloud Message Service. |
| Alibaba Cloud Message Service API manual | Describes RESTful API operations supported by Alibaba Cloud Message Service and related cases. |
| Alibaba Cloud Message Service SDK manual | Describes calling operations and sample code of the official SDK. |
| Alibaba Cloud Message Service developer tools | Lists useful tools that may be used for development. |
| Alibaba Cloud Message Service developer forum | A community-based forum consisting of developers, where you can discuss and learn about technical issues related to Alibaba |

| | |
|--|------------------------|
| | Cloud Message Service. |
|--|------------------------|

Queue

- Queue interfaces

| Interface | Function | Call mode supported |
|--------------------|--------------------------------|---------------------|
| CreateQueue | Creates a queue. | Console and APIs |
| SetQueueAttributes | Sets attributes of a queue. | Console and APIs |
| GetQueueAttributes | Obtains attributes of a queue. | Console and APIs |
| DeleteQueue | Deletes a queue. | Console and APIs |
| ListQueue | Obtains a queue list. | Console and APIs |

- Message interfaces

| Interface | Function | Call mode supported |
|-------------------------|---|---------------------|
| SendMessage | Sends a message. | Console and APIs |
| BatchSendMessage | Sends messages in batch. | APIs |
| ReceiveMessage | Consumes a message. | Console and APIs |
| BatchReceiveMessage | Consumes messages in batch. | APIs |
| DeleteMessage | Deletes a message. | Console and APIs |
| BatchDeleteMessage | Deletes messages in batch. | APIs |
| PeekMessage | Views a message. | APIs |
| BatchPeekMessage | Views messages in batch. | APIs |
| ChangeMessageVisibility | Modifies the next consumable time of a message. | APIs |

For details about how to use interfaces, refer to **Console help** and **API user manual**.

Topic

- Topic interfaces

| Interface | Function | Call mode supported |
|--------------------|--------------------------------|---------------------|
| CreateTopic | Creates a topic. | Console and APIs |
| SetTopicAttributes | Sets attributes of a topic. | Console and APIs |
| GetTopicAttributes | Obtains attributes of a topic. | Console and APIs |
| DeleteTopic | Deletes a topic. | Console and APIs |
| ListTopic | Obtains a topic list. | Console and APIs |

- Subscription interfaces

| Interface | Function | Call mode supported |
|---------------------------|---|---------------------|
| Subscribe | Creates a subscription. | Console and APIs |
| SetSubscriptionAttributes | Sets attributes of a subscription. | Console and APIs |
| GetSubscriptionAttributes | Obtains attributes of a subscription. | Console and APIs |
| Unsubscribe | Deletes a subscription. | Console and APIs |
| ListSubscriptionByTopic | Obtains the subscription list of a topic. | Console and APIs |

- Message interfaces

| Interface | Function | Call mode supported |
|----------------|----------------------|---------------------|
| PublishMessage | Publishes a message. | Console and APIs |

For details about how to use interfaces, refer to **Console help** and **API user manual**.