

ALIBABA CLOUD

Alibaba Cloud

全局流量管理

OpenApi

Document Version: 20200915

 Alibaba Cloud

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 .
Courier font	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.Request structure	06
2.Service linked role for GTM	07
3.Common parameters	08
4.List of operations by function	11
5.Address pools	13
5.1. DescribeGtmInstanceAddressPool	13
5.2. DescribeGtmInstanceAddressPools	18
5.3. AddGtmAddressPool	23
5.4. DeleteGtmAddressPool	26
5.5. UpdateGtmAddressPool	27
6.Instances	30
6.1. DescribeGtmInstances	30
6.2. DescribeGtmInstance	34
6.3. DescribeGtmInstanceStatus	38
6.4. DescribeGtmInstanceSystemCname	39
6.5. DescribeGtmAvailableAlertGroup	41
6.6. UpdateGtmInstanceGlobalConfig	42
7.Access policies	46
7.1. DescribeGtmAccessStrategies	46
7.2. DescribeGtmAccessStrategy	52
7.3. DescribeGtmAccessStrategyAvailableConfig	57
7.4. AddGtmAccessStrategy	61
7.5. UpdateGtmAccessStrategy	62
7.6. SetGtmAccessMode	64
7.7. DeleteGtmAccessStrategy	65
8.Health checks	67

8.1. DescribeGtmMonitorConfig	67
8.2. DescribeGtmMonitorAvailableConfig	70
8.3. AddGtmMonitor	73
8.4. UpdateGtmMonitor	75
8.5. SetGtmMonitorStatus	77
9.Logs	80
9.1. DescribeGtmLogs	80

1.Request structure

Endpoints

The endpoint of the Global Traffic Manager (GTM) API is `alidns.aliyuncs.com` .

Protocols

You can send requests over HTTP or HTTPS. We recommend that you use HTTPS for enhanced security.

Methods

You can use the HTTP GET method to send requests. If you use this method, the request parameters must be included in the URL of the request.

Encoding

The request and response are encoded in UTF-8.

2. Service linked role for GTM

Overview

This topic describes the scenarios of the service linked role for Global Traffic Manager (GTM) and how to delete the service linked role. The service linked role is named AliyunServiceRoleForGTM, which is a Resource Access Management (RAM) role.

Background

GTM may need to access other cloud services to implement its own functions. Alibaba Cloud provides the service linked role that allows GTM to access other cloud services. For more information about service linked roles, see [Service linked roles](#).

Scenarios

The alert group feature in GTM requires access to the cloud service resources of Cloud Monitor. GTM obtains permission to access these resources by using its service linked role. When you use this feature, the service linked role is automatically created. You do not need to manually create the role.

AliyunServiceRoleForDNS introduction

- Role name: AliyunServiceRoleForGTM
- Policy name: AliyunServiceRolePolicyForGTM
- Permissions:

```
{
  "Version": "1",
  "Statement": [
    {
      "Action": [
        "cms:QueryContactGroup",
        "cms:QueryContact"
      ],
      "Resource": "*",
      "Effect": "Allow"
    }
  ]
}
```

Delete the service linked role

If you need to delete the service linked role for GTM, you must first delete all GTM instances.

- For more information about how to delete a service linked role, see [Delete a service linked role](#).

3.Common parameters

Common request parameters

Common request parameters must be included in all GTM API requests.

Parameter	Type	Required	Description
Format	String	No	The format to return the response. Valid values: JSON and XML. Default value: XML.
Version	String	Yes	The version number of the API. The value is in the YYYY-MM-DD format. Set the value to 2015-01-09 .
AccessKeyId	String	Yes	The AccessKey ID provided to you by Alibaba Cloud.
Signature	String	Yes	The signature string of the current request. For more information about how signatures are calculated, see Signature method .
SignatureMethod	String	Yes	The signature method. Set the value to HMAC-SHA1.

Parameter	Type	Required	Description
Timestamp	String	Yes	The timestamp of the request. Specify the time in the ISO 8601 standard in the YYYY-MM-DDThh:mm:ssZ format, for example, 2015-01-09T12:00:00Z . The time must be in UTC.
SignatureVersion	String	Yes	The version of the signature algorithm. Set the value to 1.0.
SignatureNonce	String	Yes	A unique random number used to prevent replay attacks. You must use different random numbers for different requests.

Examples:

```
https://alidns.aliyuncs.com/  
? Format=xml  
&Version=2015-01-09  
&Signature=Pc5WB8gokVn0xfeu%2FZV%2BiNM1dgl%3D  
&SignatureMethod=HMAC-SHA1  
&SignatureNonce=15215528852396  
&SignatureVersion=1.0  
&AccessKeyId=key-test  
&Timestamp=2015-01-09T12:00:00Z  
...
```

Common response parameters

The system returns a unique RequestID for each API request, regardless of whether the call is successful.

Sample responses

- XML format

```
<? xml version="1.0" encoding="UTF-8"? >  
<!--Result Root Node-->  
<Interface Name+Response>  
  <!--Return Request Tag-->  
  <RequestId>4C467B38-3910-447D-87BC-AC049166F216</RequestId>  
  <!--Return Result Data-->  
</Interface Name+Response>
```

- JSON format

```
{  
  "RequestId": "4C467B38-3910-447D-87BC-AC049166F216"  
  /* Return Result Data */  
}
```

4. List of operations by function

Global Traffic Manager (GTM) provides the following API operations.

Address pools

Operation	Description
AddGtmAddressPool	Creates an address pool.
DescribeGtmInstanceAddressPool	Queries detailed information of an address pool.
DeleteGtmAddressPool	Deletes an address pool.
UpdateGtmAddressPool	Modifies an address pool.
DescribeGtmInstanceAddressPools	Queries the address pools of a GTM instance.

Instances

Operation	Description
DescribeGtmInstances	Queries GTM instances under your account.
DescribeGtmInstance	Queries detailed information of a GTM instance.
DescribeGtmInstanceStatus	Queries the current status of a GTM instance.
UpdateGtmInstanceGlobalConfig	Modifies the configuration of a GTM instance.
DescribeGtmInstanceSystemCname	Queries the CNAME record assigned by the system for a GTM instance.
DescribeGtmAvailableAlertGroup	Queries available alert groups for a GTM instance.

Access policies

Operation	Description
DescribeGtmAccessStrategies	Queries access policies of a GTM instance.
DescribeGtmAccessStrategy	Queries detailed information of the access policy of a GTM instance based on the policy ID.
DescribeGtmAccessStrategyAvailableConfig	Queries the available configurations of the current access policy of a GTM instance.
AddGtmAccessStrategy	Creates an access policy for a GTM instance.

Operation	Description
UpdateGtmAccessStrategy	Modifies an access policy of a GTM instance.
SetGtmAccessMode	Modifies the switching policy of active address pools of a GTM instance.
DeleteGtmAccessStrategy	Deletes an access policy of a GTM instance.

Health checks

Operation	Description
DescribeGtmMonitorAvailableConfig	Queries the configurable settings of a health check.
DescribeGtmMonitorConfig	Queries the health check configuration of an address pool.
AddGtmMonitor	Creates a health check.
UpdateGtmMonitor	Modifies a health check.
SetGtmMonitorStatus	Sets the health check status of an address pool.

Disaster recovery plans

Operation	Description
DescribeGtmRecoveryPlans	Queries disaster recovery plans.
DescribeGtmRecoveryPlan	Queries detailed information of a disaster recovery plan.
DescribeGtmRecoveryPlanAvailableConfig	Queries the configurable settings for a disaster recovery plan.
AddGtmRecoveryPlan	Adds a disaster recovery plan.
PreviewGtmRecoveryPlan	Previews a disaster recovery plan.
RollbackGtmRecoveryPlan	Rolls back a disaster recovery plan.
ExecuteGtmRecoveryPlan	Executes a disaster recovery plan.
UpdateGtmRecoveryPlan	Modifies a disaster recovery plan.
DeleteGtmRecoveryPlan	Deletes a disaster recovery plan.

Logs

Operation	Description
DescribeGtmLogs	Queries the logs.

5.Address pools

5.1. DescribeGtmInstanceAddressPool

You can call this operation to query the details about an address pool of a Global Traffic Manager (GTM) instance.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeGtmInstanceAddressPool	The operation that you want to perform. Set the value to DescribeGtmInstanceAddressPool .
AddrPoolId	String	Yes	1234	The ID of the address pool that you want to query.
Lang	String	No	en	The language used by the user.

Response parameters

Parameter	Type	Example	Description
AddrCount	Integer	2	The number of addresses in the address pool queried.
AddrPoolId	String	1234abc	The ID of the address pool.
Addrs	Array		The addresses in the address pool.
Addr			The details about an address in the address pool.
AddrId	Long	123	The ID of the address.

Parameter	Type	Example	Description
AlertStatus	String	OK	Indicates whether health check was enabled for the address. Valid values: <ul style="list-style-type: none"> OK: Normal ALERT: Alert
CreateTime	String	2017-12-28T13:08Z	The time when the address was created.
CreateTimeStamp	Long	1527690629357	A timestamp that indicates the time when the address was created.
LbaWeight	Integer	1	The weight of the address.
Mode	String	SMART	The mode of the address. Valid values: <ul style="list-style-type: none"> SMART: Intelligent return ONLINE: Always online OFFLINE: Always offline
UpdateTime	String	2017-12-28T13:08Z	The last time when the address was updated.
UpdateTimeStamp	Long	1527690629357	A timestamp that indicates the last time when the address was updated.
Value	String	1.1.1.1	The address.
CreateTime	String	2017-12-28T13:08Z	The time when the address pool was created.
CreateTimeStamp	Long	1527690629357	A timestamp that indicates the time when this address pool was created.
MinAvailableAddressNum	Integer	2	The minimum number of available addresses in the address pool.
MonitorConfigId	String	100abc	The health check ID of the address pool.

Parameter	Type	Example	Description
MonitorStatus	String	OPEN	Indicates whether health check was enabled for the address pool. Valid values: <ul style="list-style-type: none"> OPEN: Enabled CLOSE: Disabled UNCONFIGURED: Not configured
Name	String	Parameter	The name of the address pool.
RequestId	String	6856BCF6-11D6-4D7E-AC53-FD579933522B	The ID of the request.
Status	String	AVAILABLE	The availability status of the address pool. Valid values: <ul style="list-style-type: none"> AVAILABLE: Available NOT_AVAILABLE: Unavailable
Type	String	IP	The type of the address pool. Valid values: <ul style="list-style-type: none"> IP: IP address DOMAIN: Domain name
UpdateTime	String	2017-12-28T13:08Z	The last time when the address pool was updated.
UpdateTimeStamp	Long	1527690629357	A timestamp that indicates the last time the address pool was updated.

Examples

Sample requests

```
http(s)://alidns.aliyuncs.com/? Action=DescribeGtmInstanceAddressPool
&AddrPoolId=1234
&<Common request parameters>
```

Sample success responses

`XML` format

```
<DescribeGtmInstanceAddressPoolResponse>
  <RequestId>6856BCF6-11D6-4D7E-AC53-FD579933522B</RequestId>
  <AddrPoolId>1234abc</AddrPoolId>
  <CreateTime>2017-12-28T13:08Z</CreateTime>
  <CreateTimestamp>1527690629357</CreateTimestamp>
  <AddrCount>2</AddrCount>
  <MinAvailableAddrNum>2</MinAvailableAddrNum>
  <MonitorConfigId>100abc</MonitorConfigId>
  <MonitorStatus>OPEN</MonitorStatus>
  <Name>Name test 1</Name>
  <Status>AVAILABLE</Status>
  <Type>IP</Type>
  <UpdateTime>2018-01-03T08:57Z</UpdateTime>
  <UpdateTimestamp>1527690629357</UpdateTimestamp>
  <Addrs>
    <AddrId>123</AddrId>
    <CreateTime>2017-12-28T13:08Z</CreateTime>
    <CreateTimestamp>1527690629357</CreateTimestamp>
    <UpdateTime>2018-01-03T08:57Z</UpdateTime>
    <UpdateTimestamp>1527690629357</UpdateTimestamp>
    <Value>1.1.1.1</Value>
    <LbaWeight>1</LbaWeight>
    <Mode>SMART</Mode>
    <AlertStatus>OK</AlertStatus>
  </Addrs>
  <Addrs>
    <AddrId>234</AddrId>
    <CreateTime>2017-12-28T13:08Z</CreateTime>
    <CreateTimestamp>1527690629357</CreateTimestamp>
    <UpdateTime>2018-01-03T08:57Z</UpdateTime>
    <UpdateTimestamp>1527690629357</UpdateTimestamp>
    <Value>2.2.2.2</Value>
    <LbaWeight>1</LbaWeight>
    <Mode>SMART</Mode>
    <AlertStatus>OK</AlertStatus>
  </Addrs>
</DescribeGtmInstanceAddressPoolResponse>
```

JSON format


```
{
  "CreateTimestamp":1527690629357,
  "Addrs":[
    {
      "AddrId":123,
      "LbaWeight":1,
      "Value":"1.1.1.1",
      "CreateTimestamp":1527690629357,
      "UpdateTimestamp":1527690629357,
      "CreateTime":"2017-12-28T13:08Z",
      "UpdateTime":"2018-01-03T08:57Z",
      "AlertStatus":"OK",
      "Mode":"SMART"
    },
    {
      "AddrId":234,
      "LbaWeight":1,
      "Value":"2.2.2.2",
      "CreateTimestamp":1527690629357,
      "UpdateTimestamp":1527690629357,
      "CreateTime":"2017-12-28T13:08Z",
      "UpdateTime":"2018-01-03T08:57Z",
      "AlertStatus":"OK",
      "Mode":"SMART"
    }
  ],
  "MonitorConfigId":"100abc",
  "Type":"IP",
  "UpdateTimestamp":1527690629357,
  "UpdateTime":"2018-01-03T08:57Z",
  "AddrPoolId":"1234abc",
  "MonitorStatus":"OPEN",
  "MinAvailableAddrNum":2,
  "Name": "name test 1",
  "Status":"AVAILABLE",
  "AddrCount":2,
  "RequestId":"6856BCF6-11D6-4D7E-AC53-FD579933522B",
  "CreateTime":"2017-12-28T13:08Z"
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).

5.2. DescribeGtmInstanceAddressPools

You can call this operation to query the address pools of a Global Traffic Manager (GTM) instance.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeGtmInstanceAddressPools	The operation that you want to perform. Set the value to DescribeGtmInstanceAddressPools .
InstanceId	String	Yes	gtmtest	The ID of the GTM instance that you want to query.
Lang	String	No	en	The language used by the user.
PageNumber	Integer	No	1	The number of the page to return. Pages start from page 1. Default value: 1.
PageSize	Integer	No	20	The number of entries to return per page. Maximum value: 100. Default value: 20.

Response parameters

Parameter	Type	Example	Description
AddrPools	Array		The returned list of address pools of the GTM instance.
AddrPool			The details about an address pool.

Parameter	Type	Example	Description
AddrCount	Integer	2	The number of addresses in the address pool.
AddrPoolId	String	1234abc	The ID of the address pool.
CreateTime	String	2017-12-28T13:08Z	The time when this address pool was created.
CreateTimeStamp	Long	1527690629357	A timestamp that indicates the time when this address pool was created.
MinAvailableAddrNum	Integer	2	The minimum number of available addresses in the address pool.
MonitorConfigId	String	100abc	The health check ID of the address pool.
MonitorStatus	String	OPEN	Indicates whether health check was enabled for the address pool. Valid values: <ul style="list-style-type: none"> • OPEN: Enabled • CLOSE: Disabled • UNCONFIGURED: Not configured
Name	String	Parameter	The name of the address pool.
Status	String	AVAILABLE	The availability status of the address pool. Valid values: <ul style="list-style-type: none"> • AVAILABLE: Available • NOT_AVAILABLE: Unavailable
Type	String	IP	The type of the address pool. Valid values: <ul style="list-style-type: none"> • IP: IP address • DOMAIN: Domain name
UpdateTime	String	2017-12-28T13:08Z	The last time when the address pool was updated.

Parameter	Type	Example	Description
UpdateTimeStamp	Long	1527690629357	A timestamp that indicates the last time the address pool was updated.
PageNumber	Integer	1	The number of the page returned.
PageSize	Integer	20	The number of entries returned per page.
RequestId	String	6856BCF6-11D6-4D7E-AC53-FD579933522B	The ID of the request.
TotalItems	Integer	2	The total number of entries returned on all pages.
TotalPages	Integer	1	The total number of pages returned.

Examples

Sample requests

```
http(s)://alidns.aliyuncs.com/? Action=DescribeGtmInstanceAddressPools
&InstanceId=gtmtest
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeGtmInstanceAddressPoolsResponse>
  <PageNumber>1</PageNumber>
  <PageSize>20</PageSize>
  <RequestId>6856BCF6-11D6-4D7E-AC53-FD579933522B</RequestId>
  <TotalItems>2</TotalItems>
  <TotalPages>1</TotalPages>
  <AddrPools>
    <AddrPoolId>1234abc</AddrPoolId>
    <CreateTime>2017-12-28T13:08Z</CreateTime>
    <CreateTimestamp>1527690629357</CreateTimestamp>
    <AddrCount>2</AddrCount>
    <MinAvailableAddrNum>2</MinAvailableAddrNum>
    <MonitorConfigId>100abc</MonitorConfigId>
    <MonitorStatus>OPEN</MonitorStatus>
    <Name>Name test 1</Name>
    <Status>AVAILABLE</Status>
    <Type>IP</Type>
    <UpdateTime>2018-01-03T08:57Z</UpdateTime>
    <UpdateTimestamp>1527690629357</UpdateTimestamp>
  </AddrPools>
  <AddrPools>
    <AddrPoolId>2345abc</AddrPoolId>
    <CreateTime>2017-12-28T13:08Z</CreateTime>
    <CreateTimestamp>1527690629357</CreateTimestamp>
    <AddrCount>2</AddrCount>
    <MinAvailableAddrNum>2</MinAvailableAddrNum>
    <MonitorConfigId>101abc</MonitorConfigId>
    <MonitorStatus>OPEN</MonitorStatus>
    <Name>Name test 2</Name>
    <Status>AVAILABLE</Status>
    <Type>IP</Type>
    <UpdateTime>2018-01-03T08:57Z</UpdateTime>
    <UpdateTimestamp>1527690629357</UpdateTimestamp>
  </AddrPools>
</DescribeGtmInstanceAddressPoolsResponse>
```

JSON format

```
{
  "PageNumber":1,
  "PageSize":20,
  "RequestId":"6856BCF6-11D6-4D7E-AC53-FD579933522B",
  "TotalItems":2,
  "TotalPages":1,
  "AddrPools":[
    {
      "Name":"Name test 1",
      "Status":"AVAILABLE",
      "CreateTimestamp":1527690629357,
      "AddrCount":2,
      "MonitorConfigId":"100abc",
      "Type":"IP",
      "UpdateTimestamp":1527690629357,
      "CreateTime":"2017-12-28T13:08Z",
      "UpdateTime":"2018-01-03T08:57Z",
      "MonitorStatus":"OPEN",
      "AddrPoolId":"1234abc",
      "MinAvailableAddrNum":2
    },
    {
      "Name":"Name test 2",
      "Status":"AVAILABLE",
      "CreateTimestamp":1527690629357,
      "AddrCount":2,
      "MonitorConfigId":"101abc",
      "Type":"IP",
      "UpdateTimestamp":1527690629357,
      "CreateTime":"2017-12-28T13:08Z",
      "UpdateTime":"2018-01-03T08:57Z",
      "MonitorStatus":"OPEN",
      "AddrPoolId":"2345abc",
      "MinAvailableAddrNum":2
    }
  ]
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).

5.3. AddGtmAddressPool

You can call this operation to create an address pool for a Global Traffic Manager (GTM) instance.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	AddGtmAddressPool	The operation that you want to perform. Set the value to AddGtmAddressPool .
InstanceId	String	Yes	gtm-cn-xxxxxxx	The ID of the GTM instance for which you want to create an address pool.
MinAvailableAddrNum	Integer	Yes	2	The minimum number of available addresses in the address pool.
Name	String	Yes	Alibaba Cloud cluster	The name of the address pool that you want to create.
Type	String	Yes	IP	The type of the address pool that you want to create. Valid values: <ul style="list-style-type: none"> IP: IPv4 address DOMAIN: Domain name
Addr.N.LbaWeight	Integer	No	1	The weight of the address pool that you want to create.
Addr.N.Mode	String	No	SMART	The mode of the address pool that you want to create. Valid values: <ul style="list-style-type: none"> SMART: Intelligent return ONLINE: Always online OFFLINE: Always offline
Addr.N.Value	String	No	1.1.1.1	The addresses in the address pool that you want to create.

Parameter	Type	Required	Example	Description
EvaluationCount	Integer	No	2	The number of consecutive times of failed health check attempts.
Interval	Integer	No	60	The health check interval.
IspCityNode.N.CityCode	String	No	546	The city code of the monitored node. For more information about specific values, see the response parameters of DescribeGtmMonitorAvailableConfig.
IspCityNode.N.IspCode	String	No	465	The Internet provider service (ISP) code of the monitored node. For more information about specific values, see the response parameters of DescribeGtmMonitorAvailableConfig.
Lang	String	No	en	The language used by the user.
MonitorExtendInfo	String	No	<code>{"host":"aliyun.com","port":80}</code>	<p>The extended information. Valid values:</p> <ul style="list-style-type: none"> port: Check port host: Host settings path: The URL path code: Return code greater than the specified value failureRate: Failure rate packetNum: The number of ping packets packetLossRate: The loss rate of ping packets
MonitorStatus	String	No	OPEN	<p>Specifies whether health check is enabled. Valid values:</p> <ul style="list-style-type: none"> OPEN: Enabled CLOSE(Default): Disabled

Parameter	Type	Required	Example	Description
ProtocolType	String	No	HTTPS	The protocol that you want to use for health check. Valid values: <ul style="list-style-type: none"> • HTTP • HTTPS • PING • TCP
Timeout	Integer	No	60	The health check timeout period.

Response parameters

Parameter	Type	Example	Description
AddrPoolId	String	hraf3x	The ID of the address pool created.
MonitorConfigId	String	hraf14	The health check ID of the address pool created.
RequestId	String	6856BCF6-11D6-4D7E-AC53-FD579933522B	The ID of the request.

Examples

Sample requests

```
http(s)://alidns.aliyuncs.com/? Action=AddGtmAddressPool
&InstanceId=gtm-cn-xxxxxxx
&MinAvailableAddrNum=2
&Name=Alibaba Cloud cluster
&Type=IP
&<Common request parameters>
```

Sample success responses

XML format

```
<AddGtmAddressPoolResponse>
  <RequestId>6856BCF6-11D6-4D7E-AC53-FD579933522B</RequestId>
  <AddrPoolId>hraf3x</AddrPoolId>
  <MonitorConfigId>hraf14</MonitorConfigId>
</AddGtmAddressPoolResponse>
```

JSON format

```
{
  "MonitorConfigId":"hraf14",
  "RequestId":"6856BCF6-11D6-4D7E-AC53-FD579933522B",
  "AddrPoolId":"hraf3x"
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).

5.4. DeleteGtmAddressPool

You can call this operation to delete an address pool of a Global Traffic Manager (GTM).

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DeleteGtmAddressPool	The operation that you want to perform. Set the value to DeleteGtmAddressPool.
AddrPoolId	String	Yes	1234	The ID of the address pool that you want to delete.
Lang	String	No	en	The language used by the user.

Response parameters

Parameter	Type	Example	Description
RequestId	String	6856BCF6-11D6-4D7E-AC53-FD579933522B	The ID of the request.

Examples

Sample requests

```
http(s)://alidns.aliyuncs.com/? Action=DeleteGtmAddressPool
&AddrPoolId=1234
&<Common request parameters>
```

Sample success responses

XML format

```
<DeleteGtmAddressPoolResponse>
  <RequestId>6856BCF6-11D6-4D7E-AC53-FD579933522B</RequestId>
</DeleteGtmAddressPoolResponse>
```

JSON format

```
{
  "RequestId": "6856BCF6-11D6-4D7E-AC53-FD579933522B"
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).

5.5. UpdateGtmAddressPool

You can call this operation to modify an address pool of a Global Traffic Manager (GTM) instance.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
-----------	------	----------	---------	-------------

Parameter	Type	Required	Example	Description
Action	String	Yes	UpdateGtmAddressPool	The operation that you want to perform. Set the value to UpdateGtmAddressPool.
AddrPoolId	String	Yes	1234abc	The ID of the address pool that you want to modify.
Type	String	Yes	IP	The type of the address pool that you want to modify.
Addr.N.LbaWeight	Integer	No	1	The weight of the address pool that you want to modify.
Addr.N.Mode	String	No	SMART	The mode of the address pool that you want to modify. <ul style="list-style-type: none"> • SMART: Intelligent return • ONLINE: Always online • OFFLINE: Always offline
Addr.N.Value	String	No	1.1.1.1	The addresses in the address pool.
Lang	String	No	en	The language used by the user.
MinAvailableAddrNum	Integer	No	2	The minimum number of available addresses in the address pool.
Name	String	No	Parameter	The name of the address pool that you want to modify.

Response parameters

Parameter	Type	Example	Description
RequestId	String	6856BCF6-11D6-4D7E-AC53-FD579933522B	The ID of the request.

Examples

Sample requests

```
http(s)://alidns.aliyuncs.com/? Action=UpdateGtmAddressPool
&AddrPoolId=1234abc
&Type=IP
&<Common request parameters>
```

Sample success responses

XML format

```
<UpdateGtmAddressPoolResponse>
  <RequestId>6856BCF6-11D6-4D7E-AC53-FD579933522B</RequestId>
</UpdateGtmAddressPoolResponse>
```

JSON format

```
{
  "RequestId": "6856BCF6-11D6-4D7E-AC53-FD579933522B"
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).

6. Instances

6.1. DescribeGtmInstances

You can call this operation to query the Global Traffic Manager (GTM) instances under your account.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeGtmInstances	The operation that you want to perform. Set the value to DescribeGtmInstances .
Keyword	String	No	test	The keyword that you use for query. You can search for instances by the GTM instance ID or instance name.
Lang	String	No	en	The language used by the user.
NeedDetailAttributes	Boolean	No	false	Specifies whether additional information is required. Default value: False .
PageNumber	Integer	No	1	The number of the page to return.
PageSize	Integer	No	20	The number of entries returned per page.
ResourceGroupId	String	No	rg-xxxxx	The ID of the resource group.

Response parameters

Parameter	Type	Example	Description
GtmInstances	Array		The returned list of GTM instances.

Parameter	Type	Example	Description
GtmInstance			The details about a GTM instance.
AccessStrategyNum	Integer	5	The number of access policies of the GTM instance.
AddressPoolNum	Integer	5	The number of address pools of the GTM instances.
AlertGroup	String	["R&D group\"]	The alert group of the GTM instance.
Cname	String	instance1.14.com	The CNAME record of the access domain name.
CnameMode	String	SYSTEM_ASSIGN	Specifies whether the CNAME record is user-defined or automatically assigned by the system. Valid values: <ul style="list-style-type: none"> SYSTEM_ASSIGN: Assigned by the system CUSTOM: User-defined
CreateTime	String	2018-06-06T11:34Z	The time when the GTM instance was created.
CreateTimeStamp	Long	1528284856000	A timestamp that indicates the time when the GTM instance was created.
ExpireTime	String	2018-06-06T11:34Z	The time when the GTM instance expires.
ExpireTimestamp	Long	1528284856000	A timestamp that indicates the time when the GTM instance expires.
InstanceId	String	instance1	The ID of the GTM instance.
InstanceName	String	test	The name of the GTM instance.

Parameter	Type	Example	Description
LbaStrategy	String	RATIO	The load balancing policy. Valid values: <ul style="list-style-type: none">• ALL_RR: Load balancing• RATIO: Weighted round robin
Ttl	Integer	60	The global time to live (TTL).
UserDomainName	String	www.example.com	The user's domain name that can access the GTM instance.
VersionCode	String	biaozhun	The code of the version.
PageNumber	Integer	1	The number of the page returned.
PageSize	Integer	20	The number of entries returned per page.
RequestId	String	193B0163-7F93-42DF-AB05-ACEEB7D22707	The ID of the request.
TotalItems	Integer	1	The total number of entries returned on all pages.
TotalPages	Integer	1	The total number of pages returned.

Examples

Sample requests

```
http(s)://alidns.aliyuncs.com/? Action=DescribeGtmInstances
&<Common request parameters>
```

Sample success responses

XML format


```
<DescribeGtmInstancesResponse>
  <GtmInstances>
    <GtmInstance>
      <Cname>instance1.14.com</Cname>
      <CnameMode>SYSTEM_ASSIGN</CnameMode>
      <CreateTimestamp>1528284856000</CreateTimestamp>
      <ExpireTime>2018-06-06T11:34Z</ExpireTime>
      <Ttl>60</Ttl>
      <CreateTime>2018-06-06T11:34Z</CreateTime>
      <InstanceId>instance1</InstanceId>
      <AlertGroup>["R&D group"]</AlertGroup>
      <UserDomainName>www.example.com</UserDomainName>
      <ExpireTimestamp>1528284856000</ExpireTimestamp>
      <LbaStrategy>RATIO</LbaStrategy>
      <InstanceName>Wenya Test (Do not delete)</InstanceName>
      <VerisonCode>biaozhun</VerisonCode>
      <AccessStrategyNum>5</AccessStrategyNum>
      <AddressPoolNum>5</AddressPoolNum>
    </GtmInstance>
  </GtmInstances>
  <PageNumber>1</PageNumber>
  <PageSize>20</PageSize>
  <RequestId>193B0163-7F93-42DF-AB05-ACEEB7D22707</RequestId>
  <TotalItems>1</TotalItems>
  <TotalPages>1</TotalPages>
</DescribeGtmInstancesResponse>
```

JSON format

```
{
  "GtmInstances":{
    "GtmInstance":[
      {
        "Cname":"instance1.14.com",
        "CnameMode":"SYSTEM_ASSIGN",
        "CreateTimestamp":1528284856000,
        "InstanceId":"instance1",
        "AddressPoolNum":5,
        "ExpireTimestamp":1528284856000,
        "AccessStrategyNum":5,
        "ExpireTime":"2018-06-06T11:34Z",
        "Ttl":60,
        "CreateTime":"2018-06-06T11:34Z",
        "VerisonCode":"biaozhun",
        "AlertGroup":["R&D group"],
        "UserDomainName":"www.example.com",
        "LbaStrategy":"RATIO",
        "InstanceName":"Wenya Test (Do not delete)"
      }
    ]
  },
  "PageNumber":1,
  "PageSize":20,
  "RequestId":"193B0163-7F93-42DF-AB05-ACEEB7D22707",
  "TotalItems":1,
  "TotalPages":1
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).

6.2. DescribeGtmInstance

You can call this operation to query the details about a Global Traffic Manger (GTM) instance.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeGtmInstance	The operation that you want to perform. Set the value to DescribeGtmInstance .
InstanceId	String	Yes	instance1	The ID of the GTM instance that you want to query.
Lang	String	No	en	The language used by the user.
NeedDetailAttributes	Boolean	No	false	Specifies whether additional information is required. Default value: false .

Response parameters

Parameter	Type	Example	Description
AccessStrategyNum	Integer	5	The number of access policies of the GTM instance.
AddressPoolNum	Integer	5	The number of address pools of the GTM instance.
AlertGroup	String	["Daily test - R&D group"]	The alert group of the GTM instance.
Cname	String	instance1.14.com	The CNAME record of the access domain name.
CnameMode	String	SYSTEM_ASSIGN	Specifies whether the CNAME record is user-defined or automatically assigned by the system. Valid values: <ul style="list-style-type: none"> SYSTEM_ASSIGN: Assigned by the system CUSTOM: User-defined
CreateTime	String	2018-06-06T11:34Z	The time when the GTM instance was created.

Parameter	Type	Example	Description
CreateTimeStamp	Long	1528284856000	A timestamp that indicates the time when the GTM instance was created.
ExpireTime	String	2018-06-06T11:34Z	The time when the GTM instance expires.
ExpireTimestamp	Long	1528284856000	A timestamp that indicates the time when the GTM instance expires.
InstanceId	String	instance1	The ID of the GTM instance queried.
InstanceName	String	test	The name of the GTM instance queried.
LbaStrategy	String	RATIO	The load balancing policy. Valid values: <ul style="list-style-type: none">• ALL_RR: Load balancing• RATIO: Weighted round robin
RequestId	String	E41AA251-F9BA-48C6-99B2-2B82B26A573A	The ID of the request.
Ttl	Integer	60	The global time to live (TTL).
UserDomainName	String	www.example.com	The user's domain name that can access the GTM instance.
VersionCode	String	biaozhun	The code of the version.

Examples

Sample requests

```
http(s)://alidns.aliyuncs.com/? Action=DescribeGtmInstance
&InstanceId=instance1
&<Common request parameters>
```

Sample success responses

XML format

```

<DescribeGtmInstanceResponse>
  <Cname>instance1.14.com</Cname>
  <CnameMode>SYSTEM_ASSIGN</CnameMode>
  <CreateTimestamp>1528284856000</CreateTimestamp>
  <InstanceId>instance1</InstanceId>
  <ExpireTimestamp>1528284856000</ExpireTimestamp>
  <ExpireTime>2018-06-06T11:34Z</ExpireTime>
  <Ttl>60</Ttl>
  <RequestId>E41AA251-F9BA-48C6-99B2-2B82B26A573A</RequestId>
  <VersionCode>biaozhun</VersionCode>
  <CreateTime>2018-06-06T11:34Z</CreateTime>
  <UserDomainName>www.example.com</UserDomainName>
  <AlertGroup>["Daily test - R&D group"]</AlertGroup>
  <InstanceName>Wenya Test (Do not delete)</InstanceName>
  <LbaStrategy>RATIO</LbaStrategy>
  <AccessStrategyNum>5</AccessStrategyNum>
  <AddressPoolNum>5</AddressPoolNum>
</DescribeGtmInstanceResponse>

```

JSON format

```

{
  "Cname": "instance1.14.com",
  "CnameMode": "SYSTEM_ASSIGN",
  "CreateTimestamp": 1528284856000,
  "InstanceId": "instance1",
  "AddressPoolNum": 5,
  "ExpireTimestamp": 1528284856000,
  "AccessStrategyNum": 5,
  "ExpireTime": "2018-06-06T11:34Z",
  "Ttl": 60,
  "RequestId": "E41AA251-F9BA-48C6-99B2-2B82B26A573A",
  "VersionCode": "biaozhun",
  "CreateTime": "2018-06-06T11:34Z",
  "UserDomainName": "www.example.com",
  "AlertGroup": ["Daily test - R&D group"],
  "LbaStrategy": "RATIO",
  "InstanceName": "Wenya Test (Do not delete)"
}

```

Error codes

For a list of error codes, visit the [API Error Center](#).

6.3. DescribeGtmInstanceStatus

You can call this operation to query the current status of a Global Traffic Manager (GTM) instance.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeGtmInstanceStatus	The operation that you want to perform. Set the value to DescribeGtmInstanceStatus .
InstanceId	String	Yes	instance1	The ID of the GTM instance whose status you want to query.
Lang	String	No	en	The language used by the user.

Response parameters

Parameter	Type	Example	Description
AddrNotAvailableNum	Integer	10	The number of unavailable addresses.
AddrPoolNotAvailableNum	Integer	10	The number of unavailable address pools.
RequestId	String	389DFFA3-77A5-4A9E-BF3D-147C6F98A5BA	The ID of the request.
StrategyNotAvailableNum	Integer	10	The number of access policies that are unavailable in the current address pool.
SwitchToFailoverStrategyNum	Integer	10	The number of access policies switched to the failover address pool.

Examples

Sample requests

```
http(s)://alidns.aliyuncs.com/? Action=DescribeGtmInstanceStatus
&InstanceId=instance1
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeGtmInstanceStatusResponse>
  <RequestId>389DFFA3-77A5-4A9E-BF3D-147C6F98A5BA</RequestId>
  <AddrNotAvailableNum>10</AddrNotAvailableNum>
  <AddrPoolNotAvailableNum>10</AddrPoolNotAvailableNum>
  <SwitchToFailoverStrategyNum>10</SwitchToFailoverStrategyNum>
  <StrategyNotAvailableNum>10</StrategyNotAvailableNum>
</DescribeGtmInstanceStatusResponse>
```

JSON format

```
{
  "StrategyNotAvailableNum":10,
  "RequestId":"389DFFA3-77A5-4A9E-BF3D-147C6F98A5BA",
  "SwitchToFailoverStrategyNum":10,
  "AddrPoolNotAvailableNum":10,
  "AddrNotAvailableNum":10
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).

6.4. DescribeGtmInstanceSystemCname

You can call this operation to query the CNAME record assigned by the system.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeGtmInstanceSystemCname	The operation that you want to perform. Set the value to DescribeGtmInstanceSystemCname.
InstanceId	String	Yes	instance1	The ID of the Global Traffic Manager (GTM) instance.
Lang	String	No	en	The language used by the user.

Response parameters

Parameter	Type	Example	Description
RequestId	String	6856BCF6-11D6-4D7E-AC53-FD579933522B	The ID of the request.
SystemCname	String	gtm-cn-mp91004xxxx.gtm-a2b4.com	The CNAME record assigned by the system.

Examples

Sample requests

```
http(s)://alidns.aliyuncs.com/? Action=DescribeGtmInstanceSystemCname
&InstanceId=instance1
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeGtmInstanceSystemCnameResponse>
  <RequestId>6856BCF6-11D6-4D7E-AC53-FD579933522B</RequestId>
  <SystemCname>gtm-cn-mp91004xxxx.gtm-a2b4.com</SystemCname>
</DescribeGtmInstanceSystemCnameResponse>
```

JSON format


```
{
  "RequestId": "6856BCF6-11D6-4D7E-AC53-FD579933522B",
  "SystemCname": "gtm-cn-mp91004xxxx.gtm-a2b4.com"
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).

6.5. DescribeGtmAvailableAlertGroup

You can call this operation to query the available alert groups for a Global Traffic Manager (GTM) instance.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeGtmAvailableAlertGroup	The operation that you want to perform. Set the value to DescribeGtmAvailableAlertGroup.
Lang	String	No	en	The language used by the user.

Response parameters

Parameter	Type	Example	Description
AvailableAlertGroup	String	["R&D group\", \"GTM test group\"]	The available alert groups of the GTM instance.
RequestId	String	29D0F8F8-5499-4F6C-9FDC-1EE13BF55925	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeGtmAvailableAlertGroup
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeGtmAvailableAlertGroupResponse>
  <RequestId>29D0F8F8-5499-4F6C-9FDC-1EE13BF55925</RequestId>
  <AvailableAlertGroup>["R&D group","GTM test group"]</AvailableAlertGroup>
</DescribeGtmAvailableAlertGroupResponse>
```

JSON format

```
{
  "RequestId":"29D0F8F8-5499-4F6C-9FDC-1EE13BF55925",
  "AvailableAlertGroup":["R&D group","GTM test group"]
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).

6.6. UpdateGtmInstanceGlobalConfig

You can call this operation to modify the configuration of a Global Traffic Manager (GTM) instance.



Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	UpdateGtmInstanceGlobalConfig	The operation that you want to perform. Set the value to UpdateGtmInstanceGlobalConfig.
InstanceId	String	Yes	instance1	The ID of the GTM instance whose configuration you want to modify.

Parameter	Type	Required	Example	Description
AlertGroup	String	No	["R&D group"]	<p>The alert group of the GTM instance. Currently, only one alert group is supported.</p> <p> Note This parameter is required for the first update, but is optional for later updates.</p>
CnameCustomDomainName	String	No	www.example.com	<p>The CNAME record of a domain name, which must be the primary domain name. When CnameMode is CUSTOM, this parameter is required for access.</p>
CnameMode	String	No	SYSTEM_ASSIGN	<p>Specifies whether the CNAME record is user-defined or automatically assigned by the system. Valid values:</p> <ul style="list-style-type: none"> SYSTEM_ASSIGN: Assigned by the system CUSTOM: User-defined
InstanceName	String	No	Test instance	<p>The name of the GTM instance.</p> <p> Note This parameter is required for the first update, but is not required for later updates.</p>
Lang	String	No	en	<p>The language used by the user.</p>

Parameter	Type	Required	Example	Description
LbaStrategy	String	No	RATIO	<p>The load balancing policy. Valid values:</p> <ul style="list-style-type: none"> ALL_RR: Load balancing RATIO: Weighted round robin <p> Note This parameter is required for the first update, but is optional for later updates.</p>
Ttl	Integer	No	60	The time when the modification takes effect.
UserDomainName	String	No	www.example.com	<p>The primary domain name.</p> <p> Note This parameter is required for the first update, but is optional for later updates.</p>

Response parameters

Parameter	Type	Example	Description
RequestId	String	29D0F8F8-5499-4F6C-9FDC-1EE13BF55925	The ID of the request.

Examples

Sample requests

```
http(s)://alidns.aliyuncs.com/? Action=UpdateGtmInstanceGlobalConfig
&InstanceId=instance1
&<Common request parameters>
```

Sample success responses

XML format

```
<UpdateGtmInstanceGlobalConfigResponse>  
  <RequestId>29D0F8F8-5499-4F6C-9FDC-1EE13BF55925</RequestId>  
</UpdateGtmInstanceGlobalConfigResponse>
```

JSON format

```
{  
  "RequestId": "29D0F8F8-5499-4F6C-9FDC-1EE13BF55925"  
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).

7. Access policies

7.1. DescribeGtmAccessStrategies

You can call this operation to query the access policies of a Global Traffic Manager (GTM) instance.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeGtmAccessStrategies	The operation that you want to perform. Set the value to DescribeGtmAccessStrategies .
InstanceId	String	No	instance1	The ID of the GTM instance whose access policies you want to query.
Lang	String	No	en	The language used by the user.
PageNumber	Integer	No	1	The number of the page to return.
PageSize	Integer	No	20	The number of entries to return per page.

Response parameters

Parameter	Type	Example	Description
PageNumber	Integer	1	The number of the page returned.
PageSize	Integer	20	The number of entries returned per page.
RequestId	String	0CCC9971-CEC9-4132-824B-4AE611C07623	The ID of the request.

Parameter	Type	Example	Description
Strategies	Array		The returned list of access policies of the GTM instance.
Strategy			The details about an access policy.
AccessMode	String	DEFAULT	The access policy. Valid values: <ul style="list-style-type: none"> AUTO: Automatic switch DEFAULT: Default address pool FAILOVER: Failover address pool
AccessStatus	String	DEFAULT	The access status. Valid values: <ul style="list-style-type: none"> DEFAULT: The default address pool is currently accessed. FAILOVER: The failover address pool is currently accessed.
CreateTime	String	2018-08-09T00:10Z	The time when the access policy was created.
CreateTimeStamp	Long	1533773400000	A timestamp that indicates the time when the access policy was created.
DefaultAddrPoolId	String	hra0i1	The ID of the default address pool.
DefaultAddrPoolMonitorStatus	String	OPEN	Indicates whether health check was enabled for the default address pool. Valid values: <ul style="list-style-type: none"> OPEN: Enabled CLOSE: Disabled UNCONFIGURED: Not configured
DefaultAddrPoolName	String	Address pool 1	The name of the default address pool.
DefaultAddrPoolStatus	String	AVAILABLE	The availability status of the default address pool. Valid values: <ul style="list-style-type: none"> AVAILABLE: Available NOT_AVAILABLE: Unavailable
FailoverAddrPoolId	String	hra0i2	The ID of the failover address pool.

Parameter	Type	Example	Description
FailoverAddrPoolMonitorStatus	String	OPEN	Indicates whether health check was enabled for the failover address pool.
FailoverAddrPoolName	String	Address pool 2	The name of the failover address pool.
FailoverAddrPoolStatus	String	AVAILABLE	The availability status of the failover address pool.
InstanceId	String	instance1	The ID of the GTM instance whose access policies you want to query.
Lines	Array		The returned lines of access regions.
Line			The details about the line of an access region.
GroupCode	String	DEFAULT	The code of the access region group.
GroupName	String	Global	The name of the access region group.
LineCode	String	default	The code for the line of the access region.
LineName	String	Global	The name for the line of the access region.
StrategyId	String	hra0hs	The ID of the access policy.
StrategyMode	String	SELF_DEFINED	The mode of the access policy. SELF_DEFINED indicates that the access policy is user-defined.
StrategyName	String	Access policy	The name of the access policy.
TotalItems	Integer	1	The total number of entries returned on all pages.
TotalPages	Integer	1	The total number of pages returned.

Examples

Sample requests

```
http(s)://avds.aliyuncs.com/? Action=DescribeGtmAccessStrategies  
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeGtmAccessStrategiesResponse>
  <PageNumber>1</PageNumber>
  <PageSize>20</PageSize>
  <RequestId>0CCC9971-CEC9-4132-824B-4AE611C07623</RequestId>
  <TotalItems>1</TotalItems>
  <TotalPages>1</TotalPages>
  <Strategies>
    <Strategy>
      <FailoverAddrPoolName>Address pool 2</FailoverAddrPoolName>
      <FailoverAddrPoolStatus>AVAILABLE</FailoverAddrPoolStatus>
      <FailoverAddrPoolMonitorStatus>OPEN</FailoverAddrPoolMonitorStatus>
      <StrategyName>Access policy test</StrategyName>
      <AccessMode>DEFAULT</AccessMode>
      <CreateTimestamp>1533773400000</CreateTimestamp>
      <Lines>
        <Line>
          <GroupName>Global</GroupName>
          <GroupCode>DEFAULT</GroupCode>
          <LineName>Global</LineName>
          <LineCode>default</LineCode>
        </Line>
      </Lines>
      <StrategyMode>SELF_DEFINED</StrategyMode>
      <DefaultAddrPoolId>hra0i1</DefaultAddrPoolId>
      <CreateTime>2018-08-09T00:10Z</CreateTime>
      <FailoverAddrPoolId>hra0i2</FailoverAddrPoolId>
      <DefaultAddrPoolName>Address pool 1</DefaultAddrPoolName>
      <DefaultAddrPoolStatus>AVAILABLE</DefaultAddrPoolStatus>
      <DefaultAddrPoolMonitorStatus>CLOSE</DefaultAddrPoolMonitorStatus>
      <AccessStatus>DEFAULT</AccessStatus>
      <Instanceld>instance1</Instanceld>
      <StrategyId>hra0hs</StrategyId>
    </Strategy>
  </Strategies>
</DescribeGtmAccessStrategiesResponse>
```

JSON format

```
{
  "PageNumber":1,
  "PageSize":20,
  "RequestId":"0CCC9971-CEC9-4132-824B-4AE611C07623",
  "TotalItems":1,
  "TotalPages":1,
  "Strategies":[
    "Strategy": {
      {
        "FailoverAddrPoolName":"Address pool 2",
        "CreateTimestamp":1533773400000,
        "Lines":{
          "Line":[
            {
              "GroupCode":"DEFAULT",
              "GroupName":"Global",
              "LineName":"Global",
              "LineCode":"default"
            }
          ]
        },
        "StrategyMode":"SELF_DEFINED",
        "DefaultAddrPoolId":"hra0i1",
        "InstanceId":"instance1",
        "DefaultAddrPoolStatus":"AVAILABLE",
        "DefaultAddrPoolName":"Address pool 1",
        "DefaultAddrPoolMonitorStatus":"CLOSE",
        "StrategyId":"hra0hs",
        "FailoverAddrPoolStatus":"AVAILABLE",
        "StrategyName":"Access policy test",
        "AccessMode":"DEFAULT",
        "CreateTime":"2018-08-09T00:10Z",
        "FailoverAddrPoolId":"hra0i2",
        "FailoverAddrPoolMonitorStatus":"OPEN",
        "AccessStatus":"DEFAULT"
      }
    ]
  }
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).

7.2. DescribeGtmAccessStrategy

You can call this operation to query the details about an access policy of a Global Traffic Manager (GTM) instance based on the policy ID.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeGtmAccessStrategy	The operation that you want to perform. Set the value to DescribeGtmAccessStrategy .
StrategyId	String	Yes	hra0hs	The ID of the access policy that you want to query.
Lang	String	No	en	The language used by the user.

Response parameters

Parameter	Type	Example	Description
AccessMode	String	AUTO	The access policy.
AccessStatus	String	DEFAULT	The access status. Valid values: <ul style="list-style-type: none"> DEFAULT: Indicates normal when the default address pool is accessed. FAILOVER: Indicates an exception when a failover address pool is accessed.
DefaultAddrPoolMonitorStatus	String	OPEN	Indicates whether health check is enabled for the default address pool.
DefaultAddrPoolName	String	Address pool 1	The name of the default address pool.

Parameter	Type	Example	Description
DefaultAddrPoolStatus	String	AVAILABLE	The availability status of the default address pool.
DefaultAddrPoolId	String	hra0i1	The ID of the default address pool.
FailoverAddrPoolId	String	hra0i2	The ID of the failover address pool.
FailoverAddrPoolMonitorStatus	String	OPEN	Indicates whether health check is enabled for the failover address pool.
FailoverAddrPoolName	String	Address pool 2	The name of the failover address pool.
FailoverAddrPoolStatus	String	AVAILABLE	The availability status of the failover address pool.
InstanceId	String	instance1	The ID of the GTM instance whose access policy details you want to query.
Lines	Array		The returned lines of access regions.
Line			The details about the line of an access region.
GroupCode	String	DEFAULT	The code of the access region group.
GroupName	String	Global	The name of the access region group.
LineCode	String	default	The code for the line of the access region.
LineName	String	Global	The name for the line of the access region.
RequestId	String	BA1608CA-834C-4E63-8682-8AF0B11ED72D	The ID of the request.
StrategyId	String	hra0hs	The ID of the access policy queried.

Parameter	Type	Example	Description
StrategyMode	String	SELF_DEFINED	The mode of traffic scheduling.
StrategyName	String	Access policy	The name of the access policy queried.

Examples

Sample requests

```
http(s)://avds.aliyuncs.com/? Action=DescribeGtmAccessStrategy
&StrategyId=hra0hs
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeGtmAccessStrategyResponse>
  <StrategyName>access policy test</StrategyName>
  <AccessMode>DEFAULT</AccessMode>
  <Lines>
    <Line>
      <GroupName>Global</GroupName>
      <GroupCode>DEFAULT</GroupCode>
      <LineName>Global</LineName>
      <LineCode>default</LineCode>
    </Line>
    <Line>
      <GroupCode>ISP</GroupCode>
      <GroupName>ISP</GroupName>
      <LineCode>mobile</LineCode>
      <LineName>China Mobile</LineName>
    </Line>
  </Lines>
  <RequestId>BA1608CA-834C-4E63-8682-8AF0B11ED72D</RequestId>
  <AccessStatus>DEFAULT</AccessStatus>
  <CreateTime>2018-08-09T00:10Z</CreateTime>
  <CreateTimestamp>1533773400000</CreateTimestamp>
  <DefaultAddrPoolId>hra0i1</DefaultAddrPoolId>
  <DefaultAddrPoolName>Address pool 1</DefaultAddrPoolName>
  <FailoverAddrPoolId>hra0i2</FailoverAddrPoolId>
  <FailoverAddrPoolName>Address pool 2</FailoverAddrPoolName>
  <InstanceId>instance1</InstanceId>
  <StrategyMode>SELF_DEFINED</StrategyMode>
  <StrategyId>hra0hs</StrategyId>
  <FailoverAddrPoolStatus>AVAILABLE</FailoverAddrPoolStatus>
  <FailoverAddrPoolMonitorStatus>OPEN</FailoverAddrPoolMonitorStatus>
  <DefaultAddrPoolStatus>AVAILABLE</DefaultAddrPoolStatus>
  <DefaultAddrPoolMonitorStatus>CLOSE</DefaultAddrPoolMonitorStatus>
</DescribeGtmAccessStrategyResponse>
```

JSON format

```
{
  "FailoverAddrPoolName":"address pool 2",
  "CreateTimestamp":1533773400000,
  "Lines":{
    "Line":[
      {
        "GroupCode":"DEFAULT",
        "GroupName":"Global",
        "LineName":"Global",
        "LineCode":"default"
      },
      {
        "GroupName":"ISP",
        "GroupCode":"ISP",
        "LineName":"China Mobile",
        "LineCode":"mobile"
      }
    ]
  },
  "DefaultAddrPoolId":"hra0i1",
  "StrategyMode":"SELF_DEFINED",
  "InstanceId":"instance1",
  "DefaultAddrPoolStatus":"AVAILABLE",
  "DefaultAddrPoolName":"address pool 1",
  "DefaultAddrPoolMonitorStatus":"CLOSE",
  "StrategyId":"hra0hs",
  "FailoverAddrPoolStatus":"AVAILABLE",
  "StrategyName":"Access policy test",
  "AccessMode":"DEFAULT",
  "RequestId":"BA1608CA-834C-4E63-8682-8AF0B11ED72D",
  "CreateTime":"2018-08-09T00:10Z",
  "FailoverAddrPoolId":"hra0i2",
  "FailoverAddrPoolMonitorStatus":"OPEN",
  "AccessStatus":"DEFAULT"
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).

7.3.

DescribeGtmAccessStrategyAvailableConfig

You can call this operation to query the available configurations of the current access policy of a Global Traffic Manager (GTM) policy.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeGtmAccessStrategyAvailableConfig	The operation that you want to perform. Set the value to DescribeGtmAccessStrategyAvailableConfig.
InstanceId	String	Yes	gtm-cn-xxxx	The ID of the GTM instance for which you want to query the available configurations of the current access policy.
Lang	String	No	en	The language used by the user.

Response parameters

Parameter	Type	Example	Description
AddrPools	Array		The returned list of address pools.
AddrPool			The details about an address pool.
AddrPoolId	String	hra0ix	The ID of the address pool.
AddrPoolName	String	Alibaba Cloud cluster	The name of the address pool.
Lines	Array		The returned lines of access regions.

Parameter	Type	Example	Description
Line			The details about the line of an access region.
FatherCode	String	telecom	The code of the parent line for the access region. If no parent line exists, leave this parameter blank.
GroupCode	String	ISP	The code of the access region group.
GroupName	String	Operator	The name of the access region group.
LineCode	String	cn_telecom_hubei	The code for the line of the access region.
LineName	String	Hubei Telecom	The name for the line of the access region.
Status	String	FORBIDDEN	The current status of the line. Valid values: <ul style="list-style-type: none"> FORBIDDEN: Unavailable OPTIONAL: Availabe
RequestId	String	C2851BA9-CE56-49AF-8D12-4FC6A49EE688	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=DescribeGtmAccessStrategyAvailableConfig
&InstanceId=gtm-cn-xxxx
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeGtmAccessStrategyAvailableConfigResponse>
  <Lines>
    <Line>
      <Status>FORBIDDEN</Status>
      <GroupName>Global</GroupName>
      <GroupCode>DEFAULT</GroupCode>
      <LineName>Global</LineName>
      <LineCode>default</LineCode>
    </Line>
    <Line>
      <Status>OPTIONAL</Status>
      <GroupName>Carrier</GroupName>
      <GroupCode>ISP</GroupCode>
      <LineName>China Telecom</LineName>
      <LineCode>telecom</LineCode>
    </Line>
    <Line>
      <Status>OPTIONAL</Status>
      <GroupName>Outside China</GroupName>
      <GroupCode>OS</GroupCode>
      <LineName>South America</LineName>
      <LineCode>os_samerica</LineCode>
    </Line>
  </Lines>
  <RequestId>C2851BA9-CE56-49AF-8D12-4FC6A49EE688</RequestId>
  <AddrPools>
    <AddrPool>
      <AddrPoolName>Address pool 1 </AddrPoolName>
      <AddrPoolId>hra0ix</AddrPoolId>
    </AddrPool>
    <AddrPool>
      <AddrPoolName>Address pool 2</AddrPoolName>
      <AddrPoolId>hra0iy</AddrPoolId>
    </AddrPool>
  </AddrPools>
</DescribeGtmAccessStrategyAvailableConfigResponse>
```

JSON format

```
{
  "Lines":{
    "Line":[
      {
        "Status":"FORBIDDEN",
        "GroupCode":"DEFAULT",
        "GroupName":"global",
        "LineName":"global",
        "LineCode":"default"
      },
      {
        "Status":"OPTIONAL",
        "GroupCode":"ISP",
        "GroupName":"ISP",
        "LineName":"China Telecom",
        "LineCode":"telecom"
      },
      {
        "Status":"OPTIONAL",
        "GroupCode":"OS",
        "GroupName":"outside of China",
        "LineName":"South America",
        "LineCode":"os_samerica"
      }
    ]
  },
  "RequestId":"C2851BA9-CE56-49AF-8D12-4FC6A49EE688",
  "AddrPools":{
    "AddrPool":[
      {
        "AddrPoolName":"Address pool 1",
        "AddrPoolId":"hra0ix"
      },
      {
        "AddrPoolName":"Address pool 2",
        "AddrPoolId":"hra0iy"
      }
    ]
  }
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).

7.4. AddGtmAccessStrategy

You can call this operation to create an access policy for a Global Traffic Manager (GTM) instance.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
AccessLines	String	Yes	["default", "drpeng"]	The line codes of access regions.
Action	String	Yes	AddGtmAccessStrategy	The operation that you want to perform. Set the value to AddGtmAccessStrategy .
DefaultAddrPoolId	String	Yes	hrsix	The ID of the default address pool.
FailoverAddrPoolId	String	Yes	hrsyw	The ID of the failover address pool. If the failover address pool is not set, pass the Empty value.
InstanceId	String	Yes	instance1	The ID of the GTM instance for which you want to create an access policy.
StrategyName	String	Yes	Access policy test	The name of the access policy.
Lang	String	No	en	The language used by the user.

Response parameters

Parameter	Type	Example	Description
RequestId	String	29D0F8F8-5499-4F6C-9FDC-1EE13BF55925	The ID of the request.

Parameter	Type	Example	Description
StrategyId	String	strategyid	The ID of the access policy created.

Examples

Sample requests

```
http(s)://alidns.aliyuncs.com/? Action=AddGtmAccessStrategy
&AccessLines=["default", "drpeng"]
&DefaultAddrPoolId=hrsix
&FailoverAddrPoolId=hrsyz
&InstanceId=instance1
&StrategyName=Access policy test
&<Common request parameters>
```

Sample success responses

XML format

```
<AddGtmAccessStrategyResponse>
  <StrategyId>xxxx</StrategyId>
  <RequestId>29D0F8F8-5499-4F6C-9FDC-1EE13BF55925</RequestId>
</AddGtmAccessStrategyResponse>
```

JSON format

```
{
  "RequestId": "29D0F8F8-5499-4F6C-9FDC-1EE13BF55925",
  "StrategyId": "xxxx"
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).

7.5. UpdateGtmAccessStrategy

You can call this operation to modify the access policy of a Global Traffic Manager (GTM) instance.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	UpdateGtmAccessStrategy	The operation that you want to perform. Set the value to UpdateGtmAccessStrategy.
StrategyId	String	Yes	hrmxc	The ID of the access policy that you want to query for the GTM instance.
AccessLines	String	No	["default", "mobile"]	The line codes of access regions.
DefaultAddrPoolId	String	No	hrsix	The ID of the default address pool.
FailoverAddrPoolId	String	No	hrsyw	The ID of the failover address pool.
Lang	String	No	en	The language used by the user.
StrategyName	String	No	Access policy test	The name of the access policy.

Response parameters

Parameter	Type	Example	Description
RequestId	String	29D0F8F8-5499-4F6C-9FDC-1EE13BF55925	The ID of the request.

Examples

Sample requests

```
http(s)://alidns.aliyuncs.com/? Action=UpdateGtmAccessStrategy
&StrategyId=hrmxc
&<Common request parameters>
```

Sample success responses

XML format

```
<UpdateGtmAccessStrategyResponse>
  <RequestId>29D0F8F8-5499-4F6C-9FDC-1EE13BF55925</RequestId>
</UpdateGtmAccessStrategyResponse>
```

JSON format

```
{
  "RequestId": "29D0F8F8-5499-4F6C-9FDC-1EE13BF55925"
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).

7.6. SetGtmAccessMode

You can call this operation to modify the switching policy of active address pools of a Global Traffic Manager (GTM) instance.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
AccessMode	String	Yes	AUTO	The target access policy of the GTM instance. Valid values: <ul style="list-style-type: none"> AUTO: Automatic switch DEFAULT: Default address pool FAILOVER: Failover address pool
Action	String	Yes	SetGtmAccessMode	The operation that you want to perform. Set the value to SetGtmAccessMode .
StrategyId	String	Yes	hra0hx	The ID of the access policy.
Lang	String	No	en	The language used by the user.

Response parameters

Parameter	Type	Example	Description
RequestId	String	29D0F8F8-5499-4F6C-9FDC-1EE13BF55925	The ID of the request.

Examples

Sample requests

```
http(s)://avds.aliyuncs.com/? Action=SetGtmAccessMode
&AccessMode=AUTO
&StrategyId=hra0hx
&<Common request parameters>
```

Sample success responses

XML format

```
<SetGtmAccessModeResponse>
  <RequestId>29D0F8F8-5499-4F6C-9FDC-1EE13BF55925</RequestId>
</SetGtmAccessModeResponse>
```

JSON format

```
{
  "RequestId": "29D0F8F8-5499-4F6C-9FDC-1EE13BF55925"
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).

7.7. DeleteGtmAccessStrategy

You can call this operation to delete an access policy of a Global Traffic Manager (GTM) instance.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Lang	String	No	en	The language used by the user.
StrategyId	String	No	hrskc	The ID of the access policy that you want to delete.

Response parameters

Parameter	Type	Example	Description
RequestId	String	29D0F8F8-5499-4F6C-9FDC-1EE13BF55925	The ID of the request.

Examples

Sample requests

```
http(s)://alidns.aliyuncs.com/? Action=DeleteGtmAccessStrategy
&<Common request parameters>
```

Sample success responses

XML format

```
<DeleteGtmAccessStrategyResponse>
  <RequestId>29D0F8F8-5499-4F6C-9FDC-1EE13BF55925</RequestId>
</DeleteGtmAccessStrategyResponse>
```

JSON format

```
{
  "RequestId": "29D0F8F8-5499-4F6C-9FDC-1EE13BF55925"
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).

8. Health checks

8.1. DescribeGtmMonitorConfig

You can call this operation to query the health check configurations of an address pool of a Global Traffic Manager (GTM) instance.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeGtmMonitorConfig	The operation that you want to perform. Set the value to DescribeGtmMonitorConfig.
MonitorConfigId	String	Yes	100	The health check ID.
Lang	String	No	en	The language used by the user.

Response parameters

Parameter	Type	Example	Description
CreateTime	String	2017-12-28T13:08Z	The time when the health check was created.
CreateTimeStamp	Long	1527690629357	A timestamp that indicates the time when the health check was created.
EvaluationCount	Integer	3	The number of consecutive failed health check attempts.
Interval	Integer	60	The interval between health checks.
IspCityNodes	Array		The returned list of monitored city nodes.

Parameter	Type	Example	Description
IspCityNode			The details about a monitored city node.
CityCode	String	503	The code of the monitored city node.
CityName	String	Zhangjiakou	The display name of the city.
CountryCode	String	001	The country/region code.
CountryName	String	Mainland China	The display name of the country/region.
IspCode	String	465	The Internet service provider (ISP) code.
IspName	String	Alibaba	The ISP name.
MonitorConfigId	String	1234abc	The health check ID.
MonitorExtendInfo	String	<code>{"code":200,"path":"\\index.htm","host":"aliyun.com"}</code>	The extended information of health check.
ProtocolType	String	HTTP	The protocol that you want to use for health check.
RequestId	String	6856BCF6-11D6-4D7E-AC53-FD579933522B	The ID of the request.
Timeout	Integer	3000	The time-out period set for health check.
UpdateTime	String	2017-12-28T13:08Z	The last time when the health check configurations were updated.
UpdateTimestamp	Long	1527690629357	A timestamp that indicates the last time when the health check configurations were updated.

Examples

Sample requests

```
http(s)://alidns.aliyuncs.com/? Action=DescribeGtmMonitorConfig
&MonitorConfigId=100
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeGtmMonitorConfigResponse>
  <RequestId>6856BCF6-11D6-4D7E-AC53-FD579933522B</RequestId>
  <MonitorConfigId>1234abc</MonitorConfigId>
  <CreateTime>2017-12-28T13:08Z</CreateTime>
  <CreateTimestamp>1527690629357</CreateTimestamp>
  <UpdateTime>2018-01-03T08:57Z</UpdateTime>
  <UpdateTimestamp>1527690629357</UpdateTimestamp>
  <ProtocolType>HTTP</ProtocolType>
  <Interval>60</Interval>
  <EvaluationCount>3</EvaluationCount>
  <Timeout>3000</Timeout>
  <MonitorExtendInfo>{"code":200,"path":"\index.htm","host":"aliyun.com"}</MonitorExtendInfo>
  <IspCityNodes>
    <CountryName>Mainland China</CountryName>
    <CountryCode>001</CountryCode>
    <City>Zhangjiakou</City>
    <CityCode>503</CityCode>
  </IspCityNodes>
  <IspCityNodes>
    <CountryName>Mainland China</CountryName>
    <CountryCode>001</CountryCode>
    <City>Qingdao</City>
    <CityCode>572</CityCode>
  </IspCityNodes>
</DescribeGtmMonitorConfigResponse>
```

JSON format

```
{
  "Timeout":3000,
  "Interval":60,
  "CreateTimestamp":1527690629357,
  "ProtocolType":"HTTP",
  "MonitorConfigId":"1234abc",
  "UpdateTimestamp":1527690629357,
  "CreateTime":"2017-12-28T13:08Z",
  "RequestId":"6856BCF6-11D6-4D7E-AC53-FD579933522B",
  "UpdateTime":"2018-01-03T08:57Z",
  "IspCityNodes":[
    {
      "CountryName":"Mainland China",
      "CityCode":"503",
      "CountryCode":"001",
      "City":"Zhangjiakou"
    },
    {
      "CountryName":"Mainland China",
      "CityCode":"572",
      "CountryCode":"001",
      "City":"Qingdao"
    }
  ],
  "MonitorExtendInfo":{"code":200,"path":"\\index.htm","host":"aliyun.com"},
  "EvaluationCount":3
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).

8.2. DescribeGtmMonitorAvailableConfig

You can call this operation to query the available health check configurations for an address pool of a Global Traffic Manager (GTM) instance.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeGtmMonitorAvailableConfig	The operation that you want to perform. Set the value to DescribeGtmMonitorAvailableConfig .
Lang	String	No	en	The language used by the user.

Response parameters

Parameter	Type	Example	Description
IspCityNodes	Array		The returned list of monitored city nodes.
IspCityNode			The details about a monitored city node.
CityCode	String	503	The code of the monitored city node.
CityName	String	Zhangjiakou	The display name of the city.
DefaultSelected	Boolean	true	Indicates whether the city node is selected for health check by default.
GroupName	String	Overseas node	The name of the node group. Value values: such as overseas node and BGP node.
GroupType	String	OVERSEAS	The type of the node group. Value values: such as BGP and OVERSEAS.
IspCode	String	465	The Internet service provider (ISP) code. Currently, only 465 is available.
IspName	String	Alibaba	The display name of the ISP.
Mainland	Boolean	true	Indicates whether the city node is in Mainland China.

Parameter	Type	Example	Description
RequestId	String	6856BCF6-11D6-4D7E-AC53-FD579933522B	The ID of the request.

Examples

Sample requests

```
http(s)://alidns.aliyuncs.com/? Action=DescribeGtmMonitorAvailableConfig
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeGtmMonitorAvailableConfigResponse>
  <RequestId>6856BCF6-11D6-4D7E-AC53-FD579933522B</RequestId>
  <IspCityNodes>
    <IspName>Alibaba</IspName>
    <IspCode>465</IspCode>
    <City>Zhangjiakou</City>
    <CityCode>503</CityCode>
    <DefaultSelected>>true</DefaultSelected>
    <Mainland>>true</Mainland>
  </IspCityNodes>
  <IspCityNodes>
    <IspName>Alibaba</IspName>
    <IspCode>465</IspCode>
    <City>Qingdao</City>
    <CityCode>572</CityCode>
    <DefaultSelected>>false</DefaultSelected>
    <Mainland>>true</Mainland>
  </IspCityNodes>
</DescribeGtmMonitorAvailableConfigResponse>
```

JSON format


```
{
  "RequestId": "6856BCF6-11D6-4D7E-AC53-FD579933522B",
  "IspCityNodes": [
    {
      "Mainland": true,
      "IspName": "Alibaba",
      "IspCode": "465",
      "DefaultSelected": true,
      "CityCode": "503",
      "City": "Zhangjiakou"
    },
    {
      "Mainland": true,
      "IspName": "Alibaba",
      "IspCode": "465",
      "DefaultSelected": false,
      "CityCode": "572",
      "City": "Qingdao"
    }
  ]
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).

8.3. AddGtmMonitor

You can call this operation to create a health check for an address pool of a Global Traffic Manager (GTM) instance.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
-----------	------	----------	---------	-------------

Parameter	Type	Required	Example	Description
Action	String	Yes	AddGtmMonitor	The operation that you want to perform. Set the value to AddGtmMonitor .
AddrPoolId	String	Yes	xxxx	The ID of the address pool for which you want to create a health check.
EvaluationCount	Integer	Yes	3	The number of consecutive failed health check attempts.
Interval	Integer	Yes	60	The interval between health checks.
MonitorExtendInfo	String	Yes	<pre>{"code":200,"path":"/index.htm","host":"aliyun.com"}</pre>	The extended information of health checks.
ProtocolType	String	Yes	HTTP	The protocol that you want to use for health checks. Valid values: <ul style="list-style-type: none"> • HTTP • HTTPS • PING • TCP
Timeout	Integer	Yes	3000	The time-out period that you want to set for health checks.
IspCityNode.N.CityCode	String	No	503	The code of the monitored city node.
IspCityNode.N.IspCode	String	No	465	The Internet service provider (ISP) code.
Lang	String	No	en	The language used by the user.

Response parameters

Parameter	Type	Example	Description
MonitorConfigId	String	1234abc	The health check ID.

Parameter	Type	Example	Description
RequestId	String	6856BCF6-11D6-4D7E-AC53-FD579933522B	The ID of the request.

Examples

Sample requests

```
http(s)://alidns.aliyuncs.com/? Action=AddGtmMonitor
&AddrPoolId=xxxx
&EvaluationCount=3
&Interval=60
&MonitorExtendInfo={"code":200,"path":"\\index.htm","host":"aliyun.com"}
&ProtocolType=HTTP
&Timeout=3000
&<Common request parameters>
```

Sample success responses

XML format

```
<AddGtmMonitorResponse>
  <RequestId>6856BCF6-11D6-4D7E-AC53-FD579933522B</RequestId>
  <MonitorConfigId>1234abc</MonitorConfigId>
</AddGtmMonitorResponse>
```

JSON format

```
{
  "MonitorConfigId": "1234abc",
  "RequestId": "6856BCF6-11D6-4D7E-AC53-FD579933522B"
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).

8.4. UpdateGtmMonitor

You can call this operation to modify health check configurations for an address pool of a Global Traffic Manager (GTM) instance.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	UpdateGtmMonitor	The operation that you want to perform. Set the value to UpdateGtmMonitor.
MonitorConfigId	String	Yes	1234abc	The health check ID.
MonitorExtendInfo	String	Yes	<code>{"code":200,"path":"\\index.htm","host":"aliyun.com"}</code>	The extended information of health checks.
ProtocolType	String	Yes	HTTP	The protocol that you want to use for health checks.
EvaluationCount	Integer	No	3	The number of consecutive failed health check attempts.
Interval	Integer	No	60	The interval between health checks.
IspCityNode.N.CityCode	String	No	572	The code of the monitored city node.
IspCityNode.N.IspCode	String	No	465	The Internet service provider (ISP) code.
Lang	String	No	en	The language used by the user.
Timeout	Integer	No	3000	The time-out period that you want to set for health checks.

Response parameters

Parameter	Type	Example	Description
RequestId	String	6856BCF6-11D6-4D7E-AC53-FD579933522B	The ID of the request.

Examples

Sample requests

```
http(s)://alidns.aliyuncs.com/? Action=UpdateGtmMonitor
&MonitorConfigId=1234abc
&MonitorExtendInfo={"code":200,"path":"\\index.htm","host":"aliyun.com"}
&ProtocolType=HTTP
&<Common request parameters>
```

Sample success responses

XML format

```
<UpdateGtmMonitorResponse>
  <RequestId>6856BCF6-11D6-4D7E-AC53-FD579933522B</RequestId>
</UpdateGtmMonitorResponse>
```

JSON format

```
{
  "RequestId":"6856BCF6-11D6-4D7E-AC53-FD579933522B"
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).

8.5. SetGtmMonitorStatus

You can call this operation to enable health check for an address pool of a Global Traffic Manager (GTM) instance.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	SetGtmMonitorStatus	The operation that you want to perform. Set the value to SetGtmMonitorStatus .

Parameter	Type	Required	Example	Description
MonitorConfigId	String	Yes	abc1234	The health check ID.
Status	String	Yes	OPEN	Specifies whether health check is enabled for the address pool. Valid values: <ul style="list-style-type: none"> OPEN: Enabled CLOSE: Disabled
Lang	String	No	en	The language used by the user.

Response parameters

Parameter	Type	Example	Description
RequestId	String	6856BCF6-11D6-4D7E-AC53-FD579933522B	The ID of the request.

Examples

Sample requests

```
http(s)://alidns.aliyuncs.com/? Action=SetGtmMonitorStatus
&MonitorConfigId=abc1234
&Status=OPEN
&<Common request parameters>
```

Sample success responses

XML format

```
<SetGtmMonitorStatusResponse>
  <RequestId>6856BCF6-11D6-4D7E-AC53-FD579933522B</RequestId>
</SetGtmMonitorStatusResponse>
```

JSON format

```
{
  "RequestId": "6856BCF6-11D6-4D7E-AC53-FD579933522B"
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).

9.Logs

9.1. DescribeGtmLogs

You can call this operation to query logs of a Global Traffic Manager (GTM) instance.

Debugging

OpenAPI Explorer automatically calculates the signature value. For your convenience, we recommend that you call this operation in OpenAPI Explorer. OpenAPI Explorer dynamically generates the sample code of the operation for different SDKs.

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	DescribeGtmLogs	The operation that you want to perform. Set the value to DescribeGtmLogs .
EndTimeStamp	Long	No	1363453340000	The end of the time range to query.
InstanceId	String	No	gtm-cn-xxxxx	The ID of the GTM instance whose logs you want to query.
Keyword	String	No	test	The keyword for searching logs, in case-insensitive "%Keyword%" format.
Lang	String	No	en	The language used by the user.
PageNumber	Integer	No	1	The number of the page to return. Pages start from page 1. Default value: 1.
PageSize	Integer	No	20	The number of entries to return on per page. Maximum value: 100. Default value: 20.
StartTimestamp	Long	No	1363453340000	The beginning of the time range to query.

Response parameters

Parameter	Type	Example	Description
Logs	Array		The list of logs returned.
Log			The details about a log record.
Content	String	addtest-pool-1	The formatted message content.
EntityId	String	121212	The ID of the object that was operated on.
EntityName	String	test-pool-1	The name of the object that was operated on.
EntityType	String	POOL	The type of the object that was operated on.
Id	Long	6726	The ID of the log record.
OperAction	String	add	The operation performed.
OperIp	String	106.11.34.X	The IP address subject to the operation.
OperTime	String	2018-01-24T07:35Z	The time when the operation was performed.
OperTimestamp	Long	1516779348000	A timestamp that indicates the time when the operation was performed.
PageNumber	Integer	1	The page number of the returned page.
PageSize	Integer	20	The number of entries returned per page.
RequestId	String	50C60A29-2E93-425A-ABA8-068686E28873	The ID of the request.

Parameter	Type	Example	Description
TotalItems	Integer	224	The total number of entries returned on all pages.
TotalPages	Integer	224	The total number of pages returned.

Examples

Sample requests

```
http(s)://alidns.aliyuncs.com/? Action=DescribeGtmLogs
&<Common request parameters>
```

Sample success responses

XML format

```
<DescribeGtmLogsResponse>
  <Logs>
    <Content>addtest-pool-1</Content>
    <EntityId>121212</EntityId>
    <EntityName>test-pool-1</EntityName>
    <Id>6726</Id>
    <OperAction>add</OperAction>
    <OperIp>106.11.34.X</OperIp>
    <EntityType>POOL</EntityType>
    <OperTime>2018-01-24T07:35Z</OperTime>
    <OperTimestamp>1516779348000</OperTimestamp>
  </Logs>
  <PageNumber>1</PageNumber>
  <PageSize>1</PageSize>
  <RequestId>50C60A29-2E93-425A-ABA8-068686E28873</RequestId>
  <TotalItems>224</TotalItems>
  <TotalPages>224</TotalPages>
</DescribeGtmLogsResponse>
```

JSON format

```
{
  "PageNumber":1,
  "logs": [
    {
      "OperTimestamp":1516779348000
      "OperAction":"add",
      "EntityType":"POOL",
      "OperIp":"106.11.34.X",
      "OperTime":"2018-01-24T07:35Z",
      "Id":6726,
      "EntityName":"test-pool-1",
      "Content":"addtest-pool-1",
      "EntityId":"121212"
    }
  ],
  "PageSize":1,
  "RequestId":"50C60A29-2E93-425A-ABA8-068686E28873",
  "TotalItems":224,
  "TotalPages":224
}
```

Error codes

For a list of error codes, visit the [API Error Center](#).