

Alibaba Cloud

共享带宽

API Reference

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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.API overview ----- 05
- 2.Call APIs ----- 06
- 3.Common parameters ----- 08
- 4.EIP bandwidth plan ----- 09
 - 4.1. CreateCommonBandwidthPackage ----- 09
 - 4.2. ModifyCommonBandwidthPackageAttribute ----- 12
 - 4.3. AddCommonBandwidthPackageIp ----- 14
 - 4.4. ModifyCommonBandwidthPackageIpBandwidth ----- 15
 - 4.5. CancelCommonBandwidthPackageIpBandwidth ----- 16
 - 4.6. DescribeCommonBandwidthPackages ----- 18
 - 4.7. ModifyCommonBandwidthPackageSpec ----- 23
 - 4.8. RemoveCommonBandwidthPackageIp ----- 25
 - 4.9. DeleteCommonBandwidthPackage ----- 26
 - 4.10. AddCommonBandwidthPackageIps ----- 27

1.API overview

This topic lists available APIs of EIP bandwidth plan. EIP bandwidth plan share the same endpoint with VPC.

API	Description
CreateCommonBandwidthPackage	Creates an EIP bandwidth plan instance.
AddCommonBandwidthPackageIp	Adds an EIP to an EIP bandwidth plan instance.
ModifyCommonBandwidthPackageIpBandwidth	Sets a bandwidth limit for an EIP added to an EIP bandwidth plan.
CancelCommonBandwidthPackageIpBandwidth	Cancels the bandwidth limit set for an EIP added to an EIP bandwidth plan.
DescribeCommonBandwidthPackages	Queries created EIP bandwidth plan instances.
ModifyCommonBandwidthPackageSpec	Modifies the peak bandwidth of an EIP bandwidth plan instance.
RemoveCommonBandwidthPackageIp	Removes an EIP from an EIP bandwidth plan instance.
DeleteCommonBandwidthPackage	Deletes an EIP bandwidth plan instance.

2.Call APIs

EIP bandwidth plan and VPC use the same service address (endpoint). This means that when you call EIP bandwidth plan APIs, HTTP GET requests are sent to the API service address of EIP bandwidth plan, and the system responds according to the parameters set in the request. Both the request and the response are UTF-8-encoded.

Request syntax

EIP bandwidth plan APIs use RPC style. To call EIP bandwidth plan APIs, send HTTP GET requests.

The structure of an EIP bandwidth plan API request is as follows:

```
http://Endpoint/?Action=xx&Parameters
```

where,

- **Endpoint:** The endpoint of EIP bandwidth plan is `vpc.aliyuncs.com`.
- **Action:** the name of the action. For example, if you want to create an EIP bandwidth plan instance, the action is `CreateCommonBandwidthPackage`.
- **Version:** the version of the API. The version of EIP bandwidth plan APIs is `2016-04-28`.
- **Parameters:** the request parameters. Separate multiple parameters by using ampersands (&).

Request parameters include common parameters and API-specific parameters. Common parameters include API version and identity authentication information among other parameters. For more information, see [Common parameters](#).

The following is an example of calling `CreateCommonBandwidthPackage` to create an EIP bandwidth plan instance.

 **Note** The following code has been edited to improve readability.

```
https://vpc.aliyuncs.com/?Action=CreateCommonBandwidthPackage
&Format=xml
&Version=2016-04-28
&Signature=xxxx%xxxx%3D
&SignatureMethod=HMAC-SHA1
&SignatureNonce=15215528852396
&SignatureVersion=1.0
&AccessKeyId=key-test
&Timestamp=2012-06-01T12:00:00Z
...
```

User authentication

To maintain account security, we recommend that you use the Access Keys (AKs) of RAM users to call APIs. Before you call APIs by using the AKs of RAM users, you need to grant permissions to the RAM users by attaching corresponding policies to them.

For more information about the policies related to EIP bandwidth plan APIs, see [RAM user authorization](#).

Request signature

Authentication is required by the EIP bandwidth plan service for each API call, which is provided by the inclusion of signature information in the request.

EIP bandwidth plan uses an AccessKeyID and AccessKeySecret pair (that is, an AK) and symmetric encryption to authenticate the identity of the request sender. AKs are certificates that Alibaba Cloud issues to Alibaba Cloud accounts and RAM users for authentication. An AK is similar to a logon password. The AccessKeyID is used to identify the visitor's identity. The AccessKeySecret is the key used to encrypt the signature string. The server uses the AccessKeySecret to decrypt the signature string. The AccessKeySecret must be kept confidential.

A request in an API call is signed in the following format:

```
https://endpoint/?SignatureVersion=1.0&SignatureMethod=HMAC-SHA1&Signature=XXXX%3D&SignatureNonce=3ee8c1b8-83d3-44af-a94f-4e0axxxxxxxx
```

Take the API call of `CreateCommonBandwidthPackage` as an example. If your AccessKey ID is `testid`, and your AccessKey Secret is `testsecret`, then, the URL in the signature is as follows:

```
http://vpc.aliyuncs.com/?Action=CreateCommonBandwidthPackage
&Timestamp=2016-05-23T12:46:24Z
&Format=XML
&AccessKeyId=testid
&SignatureMethod=HMAC-SHA1
&SignatureNonce=3ee8c1b8-83d3-44af-a94f-4e0axxxxxxxx
&Version=2014-05-26
&SignatureVersion=1.0
```

To generate the signature, follow these steps:

1. Create the string to be signed by using the request parameter.

```
GET&%2F&AccessKeyId%3Dtestid&Action%3DCreateCommonBandwidthPackage&Format%3DXML&SignatureMethod%3DHMAC-SHA1&
SignatureNonce%3D3ee8c1b8-83d3-44af-a94f-4e0axxxxxxxx&SignatureVersion%3D1.0&TimeStamps%3D2016-02-23T12%253A4
6%253A24Z&Version%3D2014-05-15
```

2. Calculate the HMAC value of the string.

Add an ampersand (&) after the AccessKeySecret to add the key of the HMAC value. In this example, the key is `testsecret&`.

```
CT9X0VtwR86fNWS*****juE=
```

3. Add the signature to the request parameter.

```
http://vpc.aliyuncs.com/?Action=CreateCommonBandwidthPackage
&Timestamp=2016-05-23T12:46:24Z
&Format=XML
&AccessKeyId=testid
&SignatureMethod=HMAC-SHA1
&SignatureNonce=3ee8c1b8-83d3-44af-a94f-4e0axxxxxxxx
&Version=2014-05-26
&SignatureVersion=1.0
&Signature=XXXX%3D
```

3.Common parameters

Common parameters include common request parameters and common response parameters.

Common request parameters

Common request parameters must be included in all VPC API requests. The following table describes the common request parameters.

Parameter	Type	Required	Description
Format	String	No	The format in which to return the response. Valid values: <i>JSON</i> and <i>XML</i> . Default value: <i>JSON</i> .
Version	String	Yes	The version number of the API. Format: <code>YYYY-MM-DD</code> . Set the value to <i>2016-04-28</i> .
AccessKeyId	String	Yes	The AccessKey ID provided to you by Alibaba Cloud.
Signature	String	Yes	The signature string of the current request.
SignatureMethod	String	Yes	The encryption method of the signature string. Set the value to <i>HMAC-SHA1</i> .
Timestamp	String	Yes	The timestamp of the request. Specify the time in the ISO 8601 standard in the <code>yyyy-MM-ddTHH:mm:ssZ</code> format. The time must be in UTC. For example, to specify 20:00:00 (UTC+8) on January 10, 2013, set the parameter to 2013-01-10T12:00:00Z.
SignatureVersion	String	Yes	The version of the signature encryption algorithm. Set the value to <i>1.0</i> .
SignatureNonce	String	Yes	A unique, random number that is used to prevent replay attacks. You must use different random numbers for different requests.

Common response parameters

API responses use the HTTP response format where a 2xx status code indicates a successful call and a 4xx or 5xx status code indicates a failed call. Responses can be returned in the JSON or XML format. The default response format is JSON. You can specify the response format when you call an operation.

Every response returns a unique RequestId regardless of whether the call is successful.

- 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",
  /*Response result data*/
}
```

4. EIP bandwidth plan

4.1. CreateCommonBandwidthPackage

Creates an EIP bandwidth plan.

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	CreateCommonBandwidthPackage	The operation that you want to perform. Set the value to: CreateCommonBandwidthPackage .
RegionId	String	Yes	cn-hangzhou	The region ID of the EIP bandwidth plan. You can call the DescribeRegions operation to query the most recent region list.
Zone	String	No	cn-hangzhou-a	The zone of the EIP bandwidth plan. You do not need to set this parameter.
ISP	String	No	BGP	The line type. Valid values: BGP: BGP (Multi-ISP) BGP_PRO: BGP (Multi-ISP) Pro  Note - BGP (Multi-ISP) lines are supported in all regions. BGP (Multi-ISP) Pro lines are supported only in China (Hong Kong). - If your Alibaba Cloud account is included in the BGP (Single ISP) whitelist, you can set the ISP parameter to ChinaTelecom, ChinaUnicom, or ChinaMobile. If your workloads are deployed in China East 1 Finance, this parameter is required and you must set the value to BGP_FinanceCloud.

Parameter	Type	Required	Example	Description
Name	String	No	test123	The name of the EIP bandwidth plan. The name must be 2 to 128 characters in length, and can contain digits, periods (.), underscores (_), and hyphens (-). It must start with a letter but cannot start with <code>http://</code> or <code>https://</code>.
Description	String	No	abc	The description of the EIP bandwidth plan. The description must be 2 to 256 characters in length. It must start with a letter but cannot start with <code>http://</code> or <code>https://</code>.
ClientToken	String	No	02fb3da4-130e-11e9-8e44-001****	The client token that is used to ensure the idempotence of the request. You can use the client to generate the value, but you must make sure that it is unique among different requests. The token can contain only ASCII characters and cannot exceed 64 characters in length.  Note If you do not set this parameter, the system automatically uses RequestId as ClientToken. RequestId may be different for each API request.
ResourceGroupId	String	No	rg-acfmxazjdjhd****	The ID of the resource group.
Bandwidth	Integer	Yes	1000	The maximum bandwidth of the EIP bandwidth plan. Unit: Mbit/s. Valid values: 1 to 1000.
Ratio	Integer	No	20	The percentage of the minimum bandwidth commitment. Only 20 is supported.  Note This parameter is available only on the Alibaba Cloud China site.
InternetChargeType	String	No	Alibaba Cloud China site: PayByBandwidth. Alibaba Cloud International site: PayByTraffic	The billing method of the EIP bandwidth plan. Set the value to PayByTraffic , which specifies the pay-by-data-transfer billing method.
SecurityProtectionTypes.N	String	No	AntiDDoS_Enhanced	The edition of Anti-DDoS. Valid values of N: 1 to 10. - If you do not set this parameter, Anti-DDoS Origin is used. - If you set the value to AntiDDoS_Enhanced, Anti-DDoS Pro/Premium is used. You can set this parameter if InternetChargeType is set to PayBy95.

Response parameters

Parameter	Type	Example	Description
BandwidthPackageId	String	cbwp-bp1vevu8h3ieh****	The ID of the EIP bandwidth plan.
RequestId	String	FF39F653-033E-4CD9-9EDF-3CCA5A71FBC3	The ID of the request.
ResourceGroupId	String	rg-acfmxazdjhd****	The ID of the resource group.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=CreateCommonBandwidthPackage
&RegionId=cn-hangzhou
&Zone=cn-hangzhou-a
&ISP=BGP
&Name=test123
&Description=abc
&ClientToken=02fb3da4-130e-11e9-8e44-001****
&ResourceGroupId=rg-acfmxazdjhd****
&Bandwidth=1000
&Ratio=20
Valid values for the InternetChargeType parameter: PayByBandwidth (Alibaba Cloud China site) and PayByTraffic (Alibaba Cloud International site).
&SecurityProtectionTypes=["AntiDDoS_Enhanced"]
&Common request parameters
```

Sample success responses

XML format

```
HTTP/1.1 200 OK
Content-Type:application/xml
<CreateCommonBandwidthPackageResponse>
  <BandwidthPackageId>cbwp-bp1vevu8h3ieh****</BandwidthPackageId>
  <RequestId>FF39F653-033E-4CD9-9EDF-3CCA5A71FBC3</RequestId>
  <ResourceGroupId>rg-acfmxazdjhd****</ResourceGroupId>
</CreateCommonBandwidthPackageResponse>
```

JSON format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
  "BandwidthPackageId" : "cbwp-bp1vevu8h3ieh****",
  "RequestId" : "FF39F653-033E-4CD9-9EDF-3CCA5A71FBC3",
  "ResourceGroupId" : "rg-acfmxazdjhd****"
}
```

Error codes

HttpCode	Error code	Error message	Description
400	ResourceNotEnough.Bandwidth	The specified resource of Bandwidth is not enough.	The error message returned because bandwidth resources are insufficient.

HttpCode	Error code	Error message	Description
400	MissingParameter	Miss mandatory parameter.	The error message returned because required parameters are not set. Check whether you have set all required parameters before you call this operation.
400	InvalidParameter.Name.Malformed	The specified Name is not valid.	The error message returned because the specified name format is invalid. Enter the name in the valid format.
400	InvalidParameter.Description.Malformed	The specified Description is not valid.	The error message returned because the specified description is invalid.
400	InvalidResourceGroupId	The specified ResourceGroupId does not exist.	The error message returned because the specified resource group ID is invalid.
404	InvalidRegionId.NotFound	The specified RegionId does not exist in our records.	The error message returned because the specified region ID does not exist.
404	InvalidVpcId.NotFound	Specified value of VpcId is not found in our record.	The error message returned because the specified virtual private cloud (VPC) does not exist. Check whether the specified VPC is valid.
404	InvalidZoneId.NotFound	Specified value of ZoneId is not exists.	The error message returned because the specified zone does not exist.

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

4.2. ModifyCommonBandwidthPackageAttribute

You can call this operation to modify the name and description of an EIP bandwidth plan.

Debugging

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

Request parameters

Parameter	Type	Required	Example	Description
Action	String	Yes	ModifyCommonBandwidthPackageAttribute	The operation that you want to perform. Set the value to: ModifyCommonBandwidthPackageAttribute
BandwidthPackageId	String		cbwp-2ze2ic1xd2qeqk145pn4u	The ID of the EIP bandwidth plan.
RegionId	String	Yes	cn-hangzhou	The ID of the region to which the EIP bandwidth plan belongs. You can call the DescribeRegions operation to query region IDs.

Parameter	Type	Required	Example	Description
Description	String	No	Description	The description of the EIP bandwidth plan. The description must be 2 to 256 characters in length. It must start with a letter but cannot start with <code>http://</code> or <code>https://</code> .
Name	String	No	test123	The name of the EIP bandwidth plan. The name must be 2 to 128 characters in length and can contain letters, digits, periods (.), underscores (_), and hyphens (-). It must start with a letter but cannot start with <code>http://</code> or <code>https://</code> .

Response parameters

Parameter	Type	Example	Description
RequestId	String	B450CAD8-50BC-4506-ADA7-35C6CE63E96B	The ID of the request.

Examples

Sample requests

```
https://vpc.aliyuncs.com/?BandwidthPackageId=cbwp-2ze2ic1xd2qeqk145pn4u
&RegionId=cn-hangzhou
&<Common request parameters>
```

Sample success responses

XML format

```
<ModifyCommonBandwidthPackageAttributeResponse>
  <RequestId>B450CAD8-50BC-4506-ADA7-35C6CE63E96B</RequestId>
</ModifyCommonBandwidthPackageAttributeResponse>
```

JSON format

```
{
  "RequestId": "B450CAD8-50BC-4506-ADA7-35C6CE63E96B"
}
```

Error codes

HttpCode	Error code	Error message	Description
404	InvalidRegionId.NotFound	The specified RegionId does not exist in our records.	The error message returned because the specified region ID does not exist.
404	InvalidBandwidthPackageId.NotFound	The specified bandwidthPackageId does not exist in our records.	The error message returned because the specified EIP bandwidth plan does not exist.
400	InvalidParameter.Name.Malformed	The specified Name is not valid.	The error message returned because the specified name is invalid.
400	InvalidParameter.Description.Malformed	The specified Description is not valid.	The error message returned because the specified description is invalid.

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

4.3. AddCommonBandwidthPackageIp

Adds an elastic IP address (EIP) to an EIP bandwidth plan.

Description

Take note of the following limits before you call this operation:

- Only pay-as-you-go EIPs can be added.
- The EIPs and the EIP bandwidth plan must be deployed in the same region.

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	AddCommonBandwidthPackageIp	The operation that you want to perform. Set the value to AddCommonBandwidthPackageIp .
BandwidthPackageId	String	Yes	cbwp-2ze2ic1xd2qeqasdf***	The ID of the EIP bandwidth plan.
IpInstanceId	String	Yes	eip-2zeerraiwb7uqwed***	The ID of the EIP. You can call the DescribeEipAddresses operation to query the ID of the EIP.
RegionId	String	Yes	cn-hangzhou	The region where the EIP bandwidth plan is deployed. You can call the DescribeRegions operation to query region IDs.

Response parameters

Parameter	Type	Example	Description
RequestId	String	01FDDD49-C4B7-4D2A-A8E5-A93915C450A6	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/? Action=AddCommonBandwidthPackageIp
&BandwidthPackageId=cbwp-2ze2ic1xd2qeqasdf***
&IpInstanceId=eip-2zeerraiwb7uqwed***
&RegionId=cn-hangzhou
&<Common request parameters>
```

Sample success responses

`XML` `format`

```
<AddCommonBandwidthPackageIpResponse>
  <RequestId>01FDDD49-C4B7-4D2A-A8E5-A93915C450A6</RequestId>
</AddCommonBandwidthPackageIpResponse>
```

JSON format

```
{
  "RequestId": "01FDDD49-C4B7-4D2A-A8E5-A93915C450A6"
}
```

Error codes

HttpCode	Error code	Error message	Description
404	InvalidRegionId.NotFound	The specified RegionId does not exist in our records.	The error message returned because the specified RegionId parameter does not exist. Check whether the region ID is valid.
404	InvalidBandwidthPackageId.NotFound	The specified bandwidthPackageId does not exist in our records.	The error message returned because the EIP bandwidth plan does not exist.

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

4.4. ModifyCommonBandwidthPackageIpBandwidth

Configures the bandwidth limit for an Elastic IP address that is added to an EIP bandwidth plan instance.

API description

You can make this call to allocate the maximum available bandwidth of each Elastic IP address added to an EIP bandwidth plan instance. By doing so, you can avoid the bandwidth of the EIP bandwidth plan from being occupied by an Elastic IP address.

For example, if two Elastic IP addresses are added to an EIP bandwidth plan of 800 Mbit/s, you can set the bandwidth limit of the first Elastic IP address to 500 Mbit/s, and set the bandwidth limit of the other Elastic IP address to 400 Mbit/s. After the configuration is complete, the available bandwidth of the first Elastic IP address does not exceed 500 Mbit/s, and the available bandwidth of the second Elastic IP address does not exceed 400 Mbit/s.

Note the following before making this call: This action only takes effect when the Elastic IP address is associated with an Elastic Compute Service (ECS) instance, and does not take effect when the Elastic IP address is associated with a Server Load Balancer (SLB), NAT Gateway, secondary Elastic Network Interface (ENI), or a High-Availability Virtual IP Address (HaVip).

Make the API call

You can use [OpenAPI Explorer](#) to make API calls, search for API calls, perform debugging, and generate SDK example code.

Request parameters

Parameter	Type	Required?	Example value	Description
Action	String	Yes	ModifyCommonBandwidthPackageIpBandwidth	The name of this action. Value: ModifyCommonBandwidthPackageIpBandwidth .
Bandwidth	String	Yes	500	The maximum available bandwidth that can be allocated. Unit: Mbit/s.

Parameter	Type	Required?	Example value	Description
BandwidthPackageId	String	Yes	cbwp-2zep6hw5d6y8exscd***	The ID of the EIP bandwidth plan instance.
EipId	String	Yes	eip-2zewysoansu0svfbg**	The ID of the Elastic IP address added to the EIP bandwidth plan instance.
RegionId	String	Yes	cn-hangzhou	The ID of the region to which the EIP bandwidth plan instance belongs. To query the region ID, call DescribeRegions .

Response parameters

Parameter	Type	Example value	Description
RequestId	String	63D187BF-A30A-4DD6-B68D-FF182C96D8A2	The ID of the request.

Examples

Request example

```
http(s)://vpc.aliyuncs.com/? Action=ModifyCommonBandwidthPackageIpBandwidth
&Bandwidth=500
&BandwidthPackageId=cbwp-2zep6hw5d6y8exscd****
&EipId=eip-2zewysoansu0svfbg****
&RegionId=cn-hangzhou
&<Common request parameters>
```

Response example

XML format

```
<ModifyCommonBandwidthPackageIpBandwidth>
  <RequestId>63D187BF-A30A-4DD6-B68D-FF182C96D8A2</RequestId>
</ModifyCommonBandwidthPackageIpBandwidth>
```

JSON format

```
{
  "RequestId": "63D187BF-A30A-4DD6-B68D-FF182C96D8A2"
}
```

Errors

HTTP status code	Error code	Error message	Description
404	InvalidRegionId.NotFound	The specified RegionId does not exist in our records.	The specified RegionId does not exist.

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

4.5. CancelCommonBandwidthPackageIpBandwidth

You can call this operation to remove the bandwidth limit for an elastic IP address (EIP) that is associated with an EIP bandwidth plan.

After you remove the bandwidth limit, the maximum bandwidth of the EIP equals that of the EIP bandwidth plan.

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	CancelCommonBandwidthPackageIpBandwidth	The operation that you want to perform. Set the value to CancelCommonBandwidthPackageIpBandwidth .
BandwidthPackageId	String	Yes	cbwp-bp13d0m4e2qv8xxxxxx	The ID of the EIP bandwidth plan.
EipId	String	Yes	eip-2zewysoansu0sxxxxxx	The ID of the EIP that is associated with the EIP bandwidth plan.
RegionId	String	Yes	cn-hangzhou	The ID of the region to which the EIP bandwidth plan belongs. To query region IDs, call the DescribeRegions operation.

Response parameters

Parameter	Type	Example	Description
RequestId	String	63D187BF-A30A-4DD6-B68D-FF182C96D8A2	The ID of the request.

Examples

Sample requests

```
https://vpc.aliyuncs.com/?Action=CancelCommonBandwidthPackageIpBandwidth
&BandwidthPackageId=cbwp-bp13d0m4e2qv8xxxxxxxxx
&EipId=eip-2zewysoansu0sxxxxxxxxx
&RegionId=cn-hangzhou
&<Common request parameters>
```

Sample success responses

XML format

```
<CancelCommonBandwidthPackageIpBandwidth>
  <RequestId>63D187BF-A30A-4DD6-B68D-FF182C96D8A2</RequestId>
</CancelCommonBandwidthPackageIpBandwidth>
```

JSON format

```
{
  "RequestId": "63D187BF-A30A-4DD6-B68D-FF182C96D8A2"
}
```

Error codes

HttpCode	Error code	Error message	Description
404	InvalidRegionId.NotFound	The specified RegionId does not exist in our records.	The error message returned because the specified region ID does not exist.

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

4.6. DescribeCommonBandwidthPackages

Queries EIP bandwidth plans in a specific region.

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	DescribeCommonBandwidthPackages	The operation that you want to perform. Set the value to DescribeCommonBandwidthPackages .
IncludeReservationData	Boolean	No	false	Specifies whether to return the pending orders. Valid values: false: no. This is the default value. true: yes
RegionId	String	Yes	cn-hangzhou	The region ID of the EIP bandwidth plan. You can call the DescribeRegions operation to query the most recent region list.
BandwidthPackageId	String	No	cbwp-2ze2ic1xd2qeqk145***	The ID of the EIP bandwidth plan.
ResourceGroupId	String	No	rg-acfmxazb4ph****	The ID of the resource group.
Name	String	No	test123	The name of the EIP bandwidth plan.
PageNumber	Integer	No	1	The number of the page to return. Default value: 1 .
PageSize	Integer	No	10	The number of entries to return on each page. Maximum value: 50 . Default value: 10 .

Parameter	Type	Required	Example	Description
DryRun	Boolean	No	false	Specifies whether to only precheck the request. Valid values: true: checks the request only. The operation is not performed after the request passes the precheck. Check items include the request format, instance status, and whether the required parameters are specified. If the request fails to pass the precheck, the corresponding error message is returned. If the request passes the precheck, the <code>DryRunOperation</code> error code is returned. false (default): sends the API request. If the request passes the precheck, a 2xx HTTP status code is returned and the operation is performed.
SecurityProtectionEnabled	Boolean	No	false	Specifies whether to enable Anti-DDoS Pro/Premium. Valid values: false (default): disables Anti-DDoS Pro/Premium. true: enables Anti-DDoS Pro/Premium.

Response parameters

Parameter	Type	Example	Description
PageSize	Integer	10	The number of entries returned per page.
RequestId	String	20E6FD1C-7321-4DAD-BDFD-EC8769E4AA33	The ID of the request.
PageNumber	Integer	1	The page number of the returned page.
TotalCount	Integer	1	The number of entries returned.
CommonBandwidthPackages	Array of CommonBandwidthPackage		The details of the EIP bandwidth plan.
CommonBandwidthPackage			
ReservationActiveTime	String	2018-08-30T16:00:00Z	The time when the renewal takes effect. The time is displayed in <code>YYYY-MM-DDThh:mm:ssZ</code> format.
Status	String	Available	The status of the EIP bandwidth plan. Default value: Available .
CreationTime	String	2017-06-28T06:39:20Z	The time when the EIP bandwidth plan was created. The time follows the <code>YYYY-MM-DDThh:mm:ssZ</code> format.

Parameter	Type	Example	Description
ReservationOrderType	String	RENEWCHANGE	The renewal method. Valid values: RENEWCHANGE: renewal with upgrade or downgrade TEMP_UPGRADE: temporary upgrade UPGRADE: upgrade
DeletionProtection	Boolean	true	Indicates whether deletion protection is enabled. Valid values: true: enabled false: disabled
ReservationInternetChargeType	String	PayByBandwidth	The new billing method.
Ratio	Integer	20	The percentage of the minimum bandwidth commitment. 20 is returned.  Note This parameter is available only on the Alibaba Cloud China site.
InstanceChargeType	String	PostPaid	The billing method of the EIP bandwidth plan. PostPaid (pay-as-you-go) is returned.
RegionId	String	cn-hangzhou	The region ID of the EIP bandwidth plan.
BandwidthPackageId	String	cbwp-bp1t3sm1ffzmshdki****	The ID of the EIP bandwidth plan.
ServiceManaged	Integer	1	Indicates whether the resource is created by the service account. Valid values: 0: no 1: yes
Bandwidth	String	20	The maximum bandwidth of the EIP bandwidth plan. Unit: Mbit/s.
Description	String	none	The description of the EIP bandwidth plan.
ExpiredTime	String	2019-01-15T03:08:37Z	The time when the EIP bandwidth plan expires. The time follows the <code>YYYY-MM-DDThh:mm:ssZ</code> format.
ReservationBandwidth	String	1000	The new maximum bandwidth. Unit: Mbit/s.
ResourceGroupId	String	rg-acfmxazb4ph****	The ID of the resource group.
InternetChargeType	String	PayByBandwidth	The metering method of the EIP bandwidth plan. Valid values: PayBy95: pay-by-enhanced-95th-percentile PayByBandwidth: pay-by-bandwidth

Parameter	Type	Example	Description
BusinessStatus	String	Normal	The status of the EIP bandwidth plan. Valid values: • Normal: The EIP bandwidth plan works as expected. • FinancialLocked: The EIP bandwidth plan has an overdue payment. • Unactivated: The EIP bandwidth plan is not activated.
Name	String	abc	The name of the EIP bandwidth plan.
ISP	String	BGP	The line type. Valid values: • BGP: BGP (Multi-ISP) • BGP_PRO: BGP (Multi-ISP) Pro
HasReservationData	String	false	Indicates whether pending orders are returned. Valid values: • false: no • true: yes
PublicIpAddresses	Array of PublicIpAdresse		The elastic IP addresses (EIPs) associated with the EIP bandwidth plan.
PublicIpAdresse			
IpAddress	String	47.95.XX.XX	The public IP address.
AllocationId	String	eip-bp13e9i2qst4g6jzi****	The ID of the EIP.
BandwidthPackageIpRelationStatus	String	BINDED	Indicates whether the EIP is associated with the EIP bandwidth plan. Valid values: • BINDED: associated • BINDING: associating
SecurityProtectionTypes	Array of String	AntiDDoS_Enhanced	The edition of Anti-DDoS. Valid values: • If this parameter is empty, it indicates that Anti-DDoS Origin is enabled. • If AntiDDoS_Enhanced is returned, it indicates that Anti-DDoS Pro/Premium is enabled.

Examples

Sample requests

```

http(s)://[Endpoint]/?Action=DescribeCommonBandwidthPackages
&IncludeReservationData=false
&RegionId=cn-hangzhou
&BandwidthPackageId=cbwp-2ze2ic1xd2qeqk145****
&ResourceGroupId=rg-acfmxazb4ph****
&Name=test123
&PageNumber=1
&PageSize=10
&DryRun=false
&SecurityProtectionEnabled=false
&Common request parameters

```

Sample success responses

XML **format**

```

HTTP/1.1 200 OK
Content-Type:application/xml
<DescribeCommonBandwidthPackagesResponse>
  <PageSize>10</PageSize>
  <RequestId>20E6FD1C-7321-4DAD-BDFD-EC8769E4AA33</RequestId>
  <PageNumber>1</PageNumber>
  <TotalCount>1</TotalCount>
  <CommonBandwidthPackages>
    <ReservationActiveTime>2018-08-30T16:00:00Z</ReservationActiveTime>
    <Status>Available</Status>
    <CreationTime>2017-06-28T06:39:20Z</CreationTime>
    <ReservationOrderType>RENEWCHANGE</ReservationOrderType>
    <DeletionProtection>true</DeletionProtection>
    <ReservationInternetChargeType>PayByBandwidth</ReservationInternetChargeType>
    <Ratio>20</Ratio>
    <InstanceChargeType>PostPaid</InstanceChargeType>
    <RegionId>cn-hangzhou</RegionId>
    <BandwidthPackageId>cbwp-bp1t3smlffzmsdki****</BandwidthPackageId>
    <ServiceManaged>1</ServiceManaged>
    <Bandwidth>20</Bandwidth>
    <Description>none</Description>
    <ExpiredTime>2019-01-15T03:08:37Z</ExpiredTime>
    <ReservationBandwidth>1000</ReservationBandwidth>
    <ResourceGroupId>rg-acfmxazb4ph****</ResourceGroupId>
    <InternetChargeType>PayByBandwidth</InternetChargeType>
    <BusinessStatus>Normal</BusinessStatus>
    <Name>abc</Name>
    <ISP>BGP</ISP>
    <HasReservationData>false</HasReservationData>
    <PublicIpAddresses>
      <IpAddress>47.95.XX.XX</IpAddress>
      <AllocationId>eip-bp13e9i2qst4g6jzi****</AllocationId>
      <BandwidthPackageIpRelationStatus>BINDED</BandwidthPackageIpRelationStatus>
    </PublicIpAddresses>
    <SecurityProtectionTypes>AntiDDoS_Enhanced</SecurityProtectionTypes>
  </CommonBandwidthPackages>
</DescribeCommonBandwidthPackagesResponse>

```

JSON **format**

```
HTTP/1.1 200 OK
Content-Type:application/json
{
  "PageSize" : 10,
  "RequestId" : "20E6FD1C-7321-4DAD-BDFD-EC8769E4AA33",
  "PageNumber" : 1,
  "TotalCount" : 1,
  "CommonBandwidthPackages" : [ {
    "ReservationActiveTime" : "2018-08-30T16:00:00Z",
    "Status" : "Available",
    "CreationTime" : "2017-06-28T06:39:20Z",
    "ReservationOrderType" : "RENEWCHANGE",
    "DeletionProtection" : true,
    "ReservationInternetChargeType" : "PayByBandwidth",
    "Ratio" : 20,
    "InstanceChargeType" : "PostPaid",
    "RegionId" : "cn-hangzhou",
    "BandwidthPackageId" : "cbwp-bp1t3smlffzmsdki****",
    "ServiceManaged" : 1,
    "Bandwidth" : "20",
    "Description" : "none",
    "ExpiredTime" : "2019-01-15T03:08:37Z",
    "ReservationBandwidth" : "1000",
    "ResourceGroupId" : "rg-acfmxazb4ph****",
    "InternetChargeType" : "PayByBandwidth",
    "BusinessStatus" : "Normal",
    "Name" : "abc",
    "ISP" : "BGP",
    "HasReservationData" : "false",
    "PublicIpAddresses" : [ {
      "IpAddress" : "47.95.XX.XX",
      "AllocationId" : "eip-bp13e9i2qst4g6jzi****",
      "BandwidthPackageIpRelationStatus" : "BINED"
    } ],
    "SecurityProtectionTypes" : [ "AntiDDoS_Enhanced" ]
  } ]
}
```

Error codes

HttpCode	Error code	Error message	Description
400	InvalidBandwidthPackageIdNumber.NotSupported	The number of BandwidthPackageIds exceeds the limit.	The error message returned because the number of EIP bandwidth plans has reached the upper limit.
400	InvalidResourceGroupId	The specified ResourceGroupId does not exist.	The error message returned because the specified resource group ID is invalid.
400	OperationUnsupported.ResourceGroupId	ResourceGroup is not supported in this region.	The error message returned because the resource group feature is disabled.
404	InvalidRegionId.NotFound	The specified RegionId does not exist in our records.	The error message returned because the specified region ID does not exist.

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

4.7. ModifyCommonBandwidthPackageSpec

Modifies the maximum bandwidth of an EIP bandwidth plan.

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	ModifyCommonBandwidthPackageSpec	The operation that you want to perform. Set the value to ModifyCommonBandwidthPackageSpec .
Bandwidth	String	Yes	100	The maximum bandwidth of the EIP bandwidth plan. Unit: Mbit/s.
BandwidthPackageId	String	Yes	cbwp-2ze2ic1xd2qeqk145***	The ID of the EIP bandwidth plan.
RegionId	String	Yes	cn-hangzhou	The region ID of the EIP bandwidth plan. You can call the DescribeRegions operation to query the most recent region list.

Response parameters

Parameter	Type	Example	Description
RequestId	String	7F129000-F929-4AF5-BE8D-BAE434C795306	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=ModifyCommonBandwidthPackageSpec
&Bandwidth=100
&BandwidthPackageId=cbwp-2ze2ic1xd2qeqk145***
&RegionId=cn-hangzhou
&<Common request parameters>
```

Sample success responses

XML format

```
<ModifyCommonBandwidthPackageSpecResponse>
  <RequestId>7F129000-F929-4AF5-BE8D-BAE434C79530</RequestId>
</ModifyCommonBandwidthPackageSpecResponse>
```

JSON format

null

Error codes

HttpCode	Error code	Error message	Description
404	InvalidRegionId.NotFound	The specified RegionId does not exist in our records.	The error message returned because the specified region ID does not exist.

HttpCode	Error code	Error message	Description
404	InvalidBandwidth.ValueNotSupported	The specified value of Bandwidth not supported.	The error message returned because the specified maximum bandwidth value is invalid.
404	BandwidthPackage.FinancialLocked	The specified BandwidthPackage has been Financial Lock.	The error message returned because the specified EIP bandwidth plan is locked due to overdue payments.

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

4.8. RemoveCommonBandwidthPackageIp

Disassociates an EIP from an EIP bandwidth plan.

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	RemoveCommonBandwidthPackageIp	The operation that you want to perform. Set the value to RemoveCommonBandwidthPackageIp .
RegionId	String	Yes	cn-hangzhou	The region ID of the EIP bandwidth plan. You can call the DescribeRegions operation to query the most recent region list.
BandwidthPackageId	String	Yes	cbwp-2ze2ic1xd2qeqk145***	The ID of the EIP bandwidth plan.
IpInstanceId	String	Yes	eip-2zeerraiwb7uj6i0d****	The ID of the EIP. You can call the DescribeEipAddresses operation to query the most recent region list.
ClientToken	String	No	123e4567-e89b-12d3-a456-426655440000	The client token that is used to ensure the idempotence of the request. You can use the client to generate the value, but you must make sure that it is unique among different requests. ClientToken can contain only ASCII characters.  Note If you do not set this parameter, the system automatically uses RequestId as ClientToken. RequestId may be different for each API request.

Response parameters

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

Parameter	Type	Example	Description
RequestId	String	54B48E3D-DF70-471B-AA93-08E683A1B45	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=RemoveCommonBandwidthPackageIp
&RegionId=cn-hangzhou
&BandwidthPackageId=cbwp-2ze2ic1xd2qeqk145****
&IpInstanceId=eip-2zeerraiwb7uj6i0d****
&ClientToken=123e4567-e89b-12d3-a456-426655440000
&Common request parameters
```

Sample success responses

XML format

```
HTTP/1.1 200 OK
Content-Type:application/xml
<RemoveCommonBandwidthPackageIpResponse>
  <RequestId>54B48E3D-DF70-471B-AA93-08E683A1B45</RequestId>
</RemoveCommonBandwidthPackageIpResponse>
```

JSON format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
  "RequestId" : "54B48E3D-DF70-471B-AA93-08E683A1B45"
}
```

Error codes

HttpCode	Error code	Error message	Description
404	InvalidRegionId.NotFound	The specified RegionId does not exist in our records.	The error message returned because the specified region ID does not exist.
404	InvalidBandwidthPackageId.NotFound	The specified bandwidthPackageId does not exist in our records.	The error message returned because the ID of the specified EIP bandwidth plan does not exist.

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

4.9. DeleteCommonBandwidthPackage

You can call this operation to delete an EIP bandwidth plan.

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	DeleteCommonBandwidthPackage	The operation that you want to perform. Set the value to DeleteCommonBandwidthPackage .

Parameter	Type	Required	Example	Description
BandwidthPackageId	String	Yes	cbwp-2ze2ic1xd2qeqk145pn4u	The ID of the EIP bandwidth plan.
RegionId	String	Yes	cn-hangzhou	The region to which the EIP bandwidth plan belongs. You can call the DescribeRegions operation to query region IDs.
Force	String	No	false	Indicates whether to forcibly delete the EIP bandwidth plan. Valid values: False (default): deletes the EIP bandwidth plan only if it is not associated with EIPs. True: disassociates all EIPs from the EIP bandwidth plan and deletes the EIP bandwidth plan.

Response parameters

Parameter	Type	Example	Description
RequestId	String	B400EF57-60E3-4D61-B8FB-7FA8F72DF5A6	The ID of the request.

Examples

Sample requests

```
https://vpc.aliyuncs.com/?Action=DeleteCommonBandwidthPackage
&BandwidthPackageId=cbwp-2ze2ic1xd2qeqk145pn4u
&RegionId=cn-hangzhou
&<Common request parameters>
```

Sample success responses

XML format

```
<DeleteCommonBandwidthPackageResponse>
  <RequestId>B400EF57-60E3-4D61-B8FB-7FA8F72DF5A6</RequestId>
</DeleteCommonBandwidthPackageResponse>
```

JSON format

```
{
  "RequestId": "B400EF57-60E3-4D61-B8FB-7FA8F72DF5A6"
}
```

Error codes

HttpCode	Error code	Error message	Description
404	InvalidRegionId.NotFound	The specified RegionId does not exist in our records.	The error message returned because the specified region ID does not exist.

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

4.10. AddCommonBandwidthPackageIps

Associates multiple elastic IP addresses (EIPs) with an EIP bandwidth plan.

Debugging

Alibaba Cloud provides OpenAPI Explorer to simplify API usage. 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	AddCommonBandwidthPackageIps	The operation that you want to perform. Set the value to AddCommonBandwidthPackageIps .
RegionId	String	Yes	cn-shanghai	The region ID of the EIP bandwidth plan. You can call the DescribeRegions operation to query the most recent region list.
BandwidthPackageId	String	Yes	cbwp-2ze2ic1xd2qeqasdf***	The ID of the EIP bandwidth plan.
IpType	String	No	EIP	The type of IP address. Set the value to EIP to associate an EIP with the EIP bandwidth plan.
ClientToken	String	No	123e4567-e89b-12d3-a456-426655440000	The client token that is used to ensure the idempotence of the request. You can use the client to generate the value, but you must make sure that it is unique among different requests. The token can contain only ASCII characters and cannot exceed 64 characters in length.  Note If you do not set this parameter, the system automatically uses RequestId as ClientToken. RequestId may be different for each API request.
IpInstanceId.N	String	Yes	eip-2zeerraiwb7uqwed***	The list of EIPs that you want to associate with the EIP bandwidth plan. Valid values of N : 1 to 10 .

Response parameters

Parameter	Type	Example	Description
RequestId	String	01FDDD49-C4B7-4D2A-A8E5-A93915C450A6	The ID of the request.

Examples

Sample requests

```
http(s)://[Endpoint]/?Action=AddCommonBandwidthPackageIps
&RegionId=cn-shanghai
&BandwidthPackageId=cbwp-2ze2ic1xd2qeqasdf****
&IpType=EIP
&ClientToken=123e4567-e89b-12d3-a456-426655440000
&IpInstanceIds=["eip-2zeerraiwb7uqwed****"]
&<Common request parameters>
```

Sample success responses

XML format

```
HTTP/1.1 200 OK
Content-Type:application/xml
<AddCommonBandwidthPackageIpsResponse>
  <RequestId>01FDDD49-C4B7-4D2A-A8E5-A93915C450A6</RequestId>
</AddCommonBandwidthPackageIpsResponse>
```

JSON format

```
HTTP/1.1 200 OK
Content-Type:application/json
{
  "RequestId" : "01FDDD49-C4B7-4D2A-A8E5-A93915C450A6"
}
```

Error codes

HttpCode	Error code	Error message	Description
400	InvalidIpInstanceId.NotFound	The specified Eip InstanceId does not exist in our records.	The error message returned because the specified EIP does not exist.
400	InvalidRegionId.NotFound	The specified RegionId does not exist in our records.	The error message returned because the specified region ID does not exist.
400	InvalidBandwidthPackageId.NotFound	The specified bandwidthPackageId does not exist in our records.	The error message returned because the ID of the specified EIP bandwidth plan does not exist.

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