
Amazon Pinpoint

REST API Reference



Amazon Pinpoint: REST API Reference

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Table of Contents

Welcome	1
Amazon Pinpoint Endpoints	1
Example REST Request	1
Hypertext Application Language	2
Resources	3
Apps	3
URI	4
HTTP Methods	4
Errors	5
Schemas	5
Attributes	6
App	7
URI	7
HTTP Methods	7
Errors	8
Schemas	8
Attributes	9
Campaigns	9
URI	9
HTTP Methods	9
Errors	10
Schemas	11
Attributes	22
Campaign	29
URI	29
HTTP Methods	29
Errors	31
Schemas	31
Attributes	39
Campaign Activities	46
URI	46
HTTP Methods	46
Errors	47
Schemas	47
Attributes	48
Campaign Versions	49
URI	49
HTTP Methods	49
Errors	50
Schemas	50
Attributes	54
Campaign Version	61
URI	61
HTTP Methods	61
Errors	62
Schemas	62
Attributes	66
ADM Channel	73
URI	73
HTTP Methods	73
Errors	74
Schemas	75
Attributes	75
APNs Channel	76

URI	76
HTTP Methods	77
Errors	78
Schemas	78
Attributes	79
APNs Sandbox Channel	80
URI	81
HTTP Methods	81
Errors	82
Schemas	82
Attributes	83
APNs VoIP Channel	84
URI	85
HTTP Methods	85
Errors	86
Schemas	86
Attributes	87
APNs VoIP Sandbox Channel	88
URI	88
HTTP Methods	89
Errors	90
Schemas	90
Attributes	91
Baidu Channel	92
URI	92
HTTP Methods	92
Errors	94
Schemas	94
Attributes	95
Email Channel	96
URI	96
HTTP Methods	96
Errors	98
Schemas	98
Attributes	99
GCM Channel	100
URI	100
HTTP Methods	100
Errors	102
Schemas	102
Attributes	103
SMS Channel	103
URI	104
HTTP Methods	104
Errors	105
Schemas	105
Attributes	106
Endpoints	107
URI	107
HTTP Methods	107
Errors	108
Schemas	108
Attributes	110
Endpoint	113
URI	113
HTTP Methods	113
Errors	114

Schemas	115
Attributes	117
Events	121
URI	122
HTTP Methods	122
Errors	122
Schemas	123
Attributes	125
Event Stream	129
URI	130
HTTP Methods	130
Errors	131
Schemas	131
Attributes	132
Export Jobs	133
URI	133
HTTP Methods	133
Errors	135
Schemas	135
Attributes	136
Export Job	139
URI	139
HTTP Methods	139
Errors	139
Schemas	140
Attributes	140
Import Jobs	142
URI	142
HTTP Methods	142
Errors	143
Schemas	144
Attributes	145
Import Job	148
URI	148
HTTP Methods	148
Errors	149
Schemas	149
Attributes	150
Messages	152
URI	152
HTTP Methods	152
Errors	153
Schemas	153
Attributes	156
Phone Number Validate	172
URI	173
HTTP Methods	173
Errors	173
Schemas	174
Attributes	174
Segments	176
URI	176
HTTP Methods	176
Errors	177
Schemas	178
Attributes	185
Segment	191

URI	191
HTTP Methods	191
Errors	193
Schemas	193
Attributes	199
Segment Export Jobs	204
URI	205
HTTP Methods	205
Errors	205
Schemas	206
Attributes	206
Segment Import Jobs	208
URI	208
HTTP Methods	208
Errors	209
Schemas	209
Attributes	210
Segment Versions	212
URI	212
HTTP Methods	212
Errors	213
Schemas	213
Attributes	215
Segment Version	221
URI	221
HTTP Methods	221
Errors	221
Schemas	222
Attributes	225
Settings	230
URI	231
HTTP Methods	231
Errors	232
Schemas	232
Attributes	233
Users Messages	236
URI	237
HTTP Methods	237
Errors	237
Schemas	238
Attributes	240
User	254
URI	254
HTTP Methods	254
Errors	255
Schemas	255
Attributes	257

Welcome

This is the Amazon Pinpoint REST API reference. It contains examples of REST resources and their operations.

Topics

- [Amazon Pinpoint Endpoints \(p. 1\)](#)
- [Example REST Request \(p. 1\)](#)
- [Hypertext Application Language \(p. 2\)](#)

Amazon Pinpoint Endpoints

Amazon Pinpoint is available in several AWS Regions. The endpoints for these regions are shown in the following table.

Region Name	Endpoint URI
US East (N. Virginia)	https://pinpoint.us-east-1.amazonaws.com/v1
EU (Ireland)	https://pinpoint.eu-west-1.amazonaws.com/v1

Example REST Request

The following is an example of a REST request that you make to Amazon Pinpoint:

```
GET /v1/apps/a1b2c3d4e5f6g7h8i9j0k1l2m3n4o5p6/campaigns
Accept: application/json
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20161127/us-east-1/mobiletargeting/aws4_request, SignedHeaders=accept;host;x-amz-date,
  Signature=a1b2c3d4e5f6g7h8i9j0k1l2m3n4o5p6q7r8s9t0ulv2w3x4y5z6a1b2c3d4e5f6
Host: pinpoint.us-east-1.amazonaws.com
X-Amz-Date: 20161127T202324Z
```

Following this request, Amazon Pinpoint returns a response that includes the following header:

```
200
Access-Control-Allow-Origin: *
Connection: keep-alive
Content-Length: 94237
Content-Type: application/json
Date: Sun, 27 Nov 2016 20:23:28 GMT
X-Amz-Cf-Id: BerfOyKjyRgVGEKS2q3gHdWBZYFrqq0w4KmpamCCbY6o_xsAzxR1Iw==
x-amzn-RequestId: 595c3386-b4df-11e6-855b-61b43929a1e2
X-Amzn-Trace-Id: Root=1-583b40bd-ca765532129bcbb6c5016375
```

Hypertext Application Language

Amazon Pinpoint provides a resource-based API that uses Hypertext Application Language (HAL). HAL provides a standard way for expressing the resources and relationships of an API as hyperlinks. Using HAL, you use HTTP methods (GET, PUT, POST, DELETE) to submit requests and receive information about the API in the response. Applications can use the information returned to explore the functionality of the API. For more information about HAL, see the [JSON Hypertext Application Language](#) draft.

To request a HAL response from Amazon Pinpoint, specify `application/hal+json` for the `accept` request header.

Resources

The Amazon Pinpoint REST API includes the following resources.

Topics

- [Apps \(p. 3\)](#)
- [App \(p. 7\)](#)
- [Campaigns \(p. 9\)](#)
- [Campaign \(p. 29\)](#)
- [Campaign Activities \(p. 46\)](#)
- [Campaign Versions \(p. 49\)](#)
- [Campaign Version \(p. 61\)](#)
- [ADM Channel \(p. 73\)](#)
- [APNs Channel \(p. 76\)](#)
- [APNs Sandbox Channel \(p. 80\)](#)
- [APNs VoIP Channel \(p. 84\)](#)
- [APNs VoIP Sandbox Channel \(p. 88\)](#)
- [Baidu Channel \(p. 92\)](#)
- [Email Channel \(p. 96\)](#)
- [GCM Channel \(p. 100\)](#)
- [SMS Channel \(p. 103\)](#)
- [Endpoints \(p. 107\)](#)
- [Endpoint \(p. 113\)](#)
- [Events \(p. 121\)](#)
- [Event Stream \(p. 129\)](#)
- [Export Jobs \(p. 133\)](#)
- [Export Job \(p. 139\)](#)
- [Import Jobs \(p. 142\)](#)
- [Import Job \(p. 148\)](#)
- [Messages \(p. 152\)](#)
- [Phone Number Validate \(p. 172\)](#)
- [Segments \(p. 176\)](#)
- [Segment \(p. 191\)](#)
- [Segment Export Jobs \(p. 204\)](#)
- [Segment Import Jobs \(p. 208\)](#)
- [Segment Versions \(p. 212\)](#)
- [Segment Version \(p. 221\)](#)
- [Settings \(p. 230\)](#)
- [Users Messages \(p. 236\)](#)
- [User \(p. 254\)](#)

Apps

An app is an Amazon Pinpoint project in which you define the audience for a distinct application, and you engage this audience with tailored messages. For example, use an app to send push notifications to your

mobile app users, send emails to your newsletter subscribers, or send SMS messages to your customers' phone numbers.

After you create an app, you can define your audience by registering endpoints and defining segments. To engage your audience, define campaigns or write direct messages, and send your messages using any supported channel (mobile push, email, and SMS).

You can monitor app analytics by creating an event stream, which streams data for message deliveries and events reported by your application. Analytics are also provided in the Amazon Pinpoint console. In the console, you can open your app on the Projects page.

Use this resource to look up or create an app.

To delete an app, use the App resource and run a DELETE request against the `/apps/application-id` URI.

URI

`/v1/apps`

HTTP Methods

GET

Returns information about your apps.

Header

Name	Required	Type
accept	false	string

Query

Name	Required	Type
page-size	false	string
token	false	string

Response

Status Code	Schema
200	ApplicationsResponse (p. 6)

POST

Creates or updates an app.

Body

Name	Required	Type
CreateApplicationRequest	true	CreateApplicationRequest (p. 6)

Header

Name	Required	Type
accept	false	string

Response

Status Code	Schema
201	ApplicationResponse (p. 6)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 6)	BadRequestException
403	MessageBody (p. 6)	ForbiddenException
404	MessageBody (p. 6)	NotFoundException
405	MessageBody (p. 6)	MethodNotAllowedException
429	MessageBody (p. 6)	TooManyRequestsException
500	MessageBody (p. 6)	InternalServerErrorException

Schemas

Request Schemas

Example CreateApplicationRequest

```
{
  "Name": "string"
}
```

Response Schemas

Example ApplicationsResponse

```
{
  "NextToken": "string",
  "Item": [
    {
      "Name": "string",
      "Id": "string"
    }
  ]
}
```

```
}
```

Example ApplicationResponse

```
{  
  "Name": "string",  
  "Id": "string"  
}
```

Example MessageBody

```
{  
  "RequestID": "string",  
  "Message": "string"  
}
```

Attributes

CreateApplicationRequest

Attribute	Type	Description
Name	string	The display name of the application. Used in the Amazon Pinpoint console.

ApplicationsResponse

Attribute	Type	Description
Item	array	List of applications returned in this page.
NextToken	string	The string that you use in a subsequent request to get the next page of results in a paginated response.

ApplicationResponse

Attribute	Type	Description
Id	string	The unique application ID.
Name	string	The display name of the application.

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestID	string	The unique message body ID.

App

An app is an Amazon Pinpoint project in which you define the audience for a distinct application, and you engage this audience with tailored messages. For example, use an app to send push notifications to your mobile app users, send emails to your newsletter subscribers, or send SMS messages to your customers' phone numbers.

Use this resource to look up or delete an app.

To create an app, use the Apps resource and run a POST request against the /apps URI.

URI

/v1/apps/*application-id*

HTTP Methods

DELETE

Deletes an app.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	ApplicationResponse (p. 9)

GET

Returns information about an app.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	ApplicationResponse (p. 9)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 9)	BadRequestException
403	MessageBody (p. 9)	ForbiddenException
404	MessageBody (p. 9)	NotFoundException
405	MessageBody (p. 9)	MethodNotAllowedException
429	MessageBody (p. 9)	TooManyRequestsException
500	MessageBody (p. 9)	InternalServerErrorException

Schemas

Response Schemas

Example ApplicationResponse

```
{
  "Name": "string",
  "Id": "string"
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

ApplicationResponse

Attribute	Type	Description
Id	string	The unique application ID.
Name	string	The display name of the application.

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

Campaigns

A campaign is a messaging initiative that engages a specific segment of end users. The information represented by this resource includes the segment that the campaign reaches out to, the message that it delivers, and the schedule on which it runs. You can use this resource to look up, update, or delete a campaign.

URI

/v1/apps/*application-id*/campaigns

HTTP Methods

GET

Returns information about your campaigns.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Query

Name	Required	Type
page-size	false	string

Name	Required	Type
token	false	string

Response

Status Code	Schema
200	CampaignsResponse (p. 27)

POST

Creates or updates a campaign.

Body

Name	Required	Type
WriteCampaignRequest	true	WriteCampaignRequest (p. 22)

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
201	CampaignResponse (p. 27)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 29)	BadRequestException
403	MessageBody (p. 29)	ForbiddenException
404	MessageBody (p. 29)	NotFoundException
405	MessageBody (p. 29)	MethodNotAllowedException

Status Code	Schema	Error Type
429	MessageBody (p. 29)	TooManyRequestsException
500	MessageBody (p. 29)	InternalServerErrorException

Schemas

Request Schemas

Example WriteCampaignRequest

```
{
  "TreatmentName": "string",
  "TreatmentDescription": "string",
  "MessageConfiguration": {
    "DefaultMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "ImageSmallIconUrl": "string",
      "MediaUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "SilentPush": true,
      "JsonBody": "string",
      "RawContent": "string",
      "TimeToLive": 0
    },
    "APNSMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "ImageSmallIconUrl": "string",
      "MediaUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "SilentPush": true,
      "JsonBody": "string",
      "RawContent": "string",
      "TimeToLive": 0
    },
    "GCMMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "ImageSmallIconUrl": "string",
      "MediaUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "SilentPush": true,
      "JsonBody": "string",
      "RawContent": "string",
      "TimeToLive": 0
    },
    "ADMMMessage": {
      "Title": "string",
      "Body": "string",

```

```
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "BaiduMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "EmailMessage": {
    "Title": "string",
    "Body": "string",
    "HtmlBody": "string",
    "FromAddress": "string"
  },
  "SMSMessage": {
    "Body": "string",
    "MessageType": "TRANSACTIONAL",
    "SenderId": "string"
  }
},
"Schedule": {
  "StartTime": "string",
  "EndTime": "string",
  "Frequency": "ONCE",
  "IsLocalTime": true,
  "Timezone": "string",
  "QuietTime": {
    "Start": "string",
    "End": "string"
  }
},
"SegmentId": "string",
"SegmentVersion": 0,
"IsPaused": true,
"AdditionalTreatments": [
  {
    "TreatmentName": "string",
    "TreatmentDescription": "string",
    "MessageConfiguration": {
      "DefaultMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "ImageSmallIconUrl": "string",
        "MediaUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "SilentPush": true,
```

```
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "APNSMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "GCMMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "ADMMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "BaiduMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "EmailMessage": {
    "Title": "string",
    "Body": "string",
    "HtmlBody": "string",
    "FromAddress": "string"
  },
}
```

```
        "SMSMessage": {
            "Body": "string",
            "MessageType": "TRANSACTIONAL",
            "SenderId": "string"
        }
    },
    "Schedule": {
        "StartTime": "string",
        "EndTime": "string",
        "Frequency": "ONCE",
        "IsLocalTime": true,
        "Timezone": "string",
        "QuietTime": {
            "Start": "string",
            "End": "string"
        }
    },
    "SizePercent": 0
}
],
"HoldoutPercent": 0,
"Limits": {
    "Daily": 0,
    "Total": 0,
    "MessagesPerSecond": 0,
    "MaximumDuration": 0
},
"Name": "string",
"Hook": {
    "LambdaFunctionName": "string",
    "WebUrl": "string",
    "Mode": "DELIVERY"
},
"Description": "string"
}
```

Response Schemas

Example CampaignsResponse

```
{
  "Item": [
    {
      "TreatmentName": "string",
      "TreatmentDescription": "string",
      "MessageConfiguration": {
        "DefaultMessage": {
          "Title": "string",
          "Body": "string",
          "ImageUrl": "string",
          "ImageIconUrl": "string",
          "ImageSmallIconUrl": "string",
          "MediaUrl": "string",
          "Action": "OPEN_APP",
          "Url": "string",
          "SilentPush": true,
          "JsonBody": "string",
          "RawContent": "string",
          "TimeToLive": 0
        },
        "APNSMessage": {
          "Title": "string",
          "Body": "string",
          "ImageUrl": "string",

```

```
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "GCMMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "ADMMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "BaiduMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "EmailMessage": {
    "Title": "string",
    "Body": "string",
    "HtmlBody": "string",
    "FromAddress": "string"
  },
  "SMSMessage": {
    "Body": "string",
    "MessageType": "TRANSACTIONAL",
    "SenderId": "string"
  }
},
"Schedule": {
  "StartTime": "string",
```

```
"EndTime": "string",
"Frequency": "ONCE",
"IsLocalTime": true,
"Timezone": "string",
"QuietTime": {
  "Start": "string",
  "End": "string"
}
},
"Id": "string",
"ApplicationId": "string",
"CreationDate": "string",
"LastModifiedDate": "string",
"SegmentId": "string",
"SegmentVersion": 0,
"AdditionalTreatments": [
  {
    "TreatmentName": "string",
    "TreatmentDescription": "string",
    "MessageConfiguration": {
      "DefaultMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "ImageSmallIconUrl": "string",
        "MediaUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "SilentPush": true,
        "JsonBody": "string",
        "RawContent": "string",
        "TimeToLive": 0
      },
      "APNSMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "ImageSmallIconUrl": "string",
        "MediaUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "SilentPush": true,
        "JsonBody": "string",
        "RawContent": "string",
        "TimeToLive": 0
      },
      "GCMMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "ImageSmallIconUrl": "string",
        "MediaUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "SilentPush": true,
        "JsonBody": "string",
        "RawContent": "string",
        "TimeToLive": 0
      },
      "ADMMMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
```

```
        "ImageIconUrl": "string",
        "ImageSmallIconUrl": "string",
        "MediaUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "SilentPush": true,
        "JsonBody": "string",
        "RawContent": "string",
        "TimeToLive": 0
    },
    "BaiduMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "ImageSmallIconUrl": "string",
        "MediaUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "SilentPush": true,
        "JsonBody": "string",
        "RawContent": "string",
        "TimeToLive": 0
    },
    "EmailMessage": {
        "Title": "string",
        "Body": "string",
        "HtmlBody": "string",
        "FromAddress": "string"
    },
    "SMSMessage": {
        "Body": "string",
        "MessageType": "TRANSACTIONAL",
        "SenderId": "string"
    }
},
"Schedule": {
    "StartTime": "string",
    "EndTime": "string",
    "Frequency": "ONCE",
    "IsLocalTime": true,
    "Timezone": "string",
    "QuietTime": {
        "Start": "string",
        "End": "string"
    }
},
"SizePercent": 0,
"Id": "string",
"State": {
    "CampaignStatus": "SCHEDULED"
}
},
"HoldoutPercent": 0,
"Name": "string",
"Limits": {
    "Daily": 0,
    "Total": 0,
    "MessagesPerSecond": 0,
    "MaximumDuration": 0
},
"Description": "string",
"Hook": {
    "LambdaFunctionName": "string",
    "WebUrl": "string",
```

```
        "Mode": "DELIVERY"
      },
      "State": {
        "CampaignStatus": "SCHEDULED"
      },
      "DefaultState": {
        "CampaignStatus": "SCHEDULED"
      },
      "Version": 0,
      "IsPaused": true
    }
  ],
  "NextToken": "string"
}
```

Example CampaignResponse

```
{
  "TreatmentName": "string",
  "TreatmentDescription": "string",
  "MessageConfiguration": {
    "DefaultMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "ImageSmallIconUrl": "string",
      "MediaUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "SilentPush": true,
      "JsonBody": "string",
      "RawContent": "string",
      "TimeToLive": 0
    },
    "APNSMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "ImageSmallIconUrl": "string",
      "MediaUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "SilentPush": true,
      "JsonBody": "string",
      "RawContent": "string",
      "TimeToLive": 0
    },
    "GCMMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "ImageSmallIconUrl": "string",
      "MediaUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "SilentPush": true,
      "JsonBody": "string",
      "RawContent": "string",
      "TimeToLive": 0
    },
    "ADMMMessage": {
```



```
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "BaiduMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "EmailMessage": {
    "Title": "string",
    "Body": "string",
    "HtmlBody": "string",
    "FromAddress": "string"
  },
  "SMSMessage": {
    "Body": "string",
    "MessageType": "TRANSACTIONAL",
    "SenderId": "string"
  }
},
"Schedule": {
  "StartTime": "string",
  "EndTime": "string",
  "Frequency": "ONCE",
  "IsLocalTime": true,
  "Timezone": "string",
  "QuietTime": {
    "Start": "string",
    "End": "string"
  }
},
"Id": "string",
"ApplicationId": "string",
"CreationDate": "string",
"LastModifiedDate": "string",
"SegmentId": "string",
"SegmentVersion": 0,
"AdditionalTreatments": [
  {
    "TreatmentName": "string",
    "TreatmentDescription": "string",
    "MessageConfiguration": {
      "DefaultMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
```

```
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "APNSMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "GCMMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "ADMMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "BaiduMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "EmailMessage": {
```

```
        "Title": "string",
        "Body": "string",
        "HtmlBody": "string",
        "FromAddress": "string"
    },
    "SMSMessage": {
        "Body": "string",
        "MessageType": "TRANSACTIONAL",
        "SenderId": "string"
    }
},
"Schedule": {
    "StartTime": "string",
    "EndTime": "string",
    "Frequency": "ONCE",
    "IsLocalTime": true,
    "Timezone": "string",
    "QuietTime": {
        "Start": "string",
        "End": "string"
    }
},
"SizePercent": 0,
"Id": "string",
"State": {
    "CampaignStatus": "SCHEDULED"
}
}
],
"HoldoutPercent": 0,
"Name": "string",
"Limits": {
    "Daily": 0,
    "Total": 0,
    "MessagesPerSecond": 0,
    "MaximumDuration": 0
},
"Description": "string",
"Hook": {
    "LambdaFunctionName": "string",
    "WebUrl": "string",
    "Mode": "DELIVERY"
},
"State": {
    "CampaignStatus": "SCHEDULED"
},
"DefaultState": {
    "CampaignStatus": "SCHEDULED"
},
"Version": 0,
"IsPaused": true
}
```

Example MessageBody

```
{
    "RequestID": "string",
    "Message": "string"
}
```

Attributes

WriteCampaignRequest

Attribute	Type	Description
AdditionalTreatments	array	Treatments that are defined in addition to the default treatment.
Description	string	A description of the campaign.
HoldoutPercent	integer	The allocated percentage of end users who will not receive messages from this campaign.
Hook	CampaignHook (p. 26)	Campaign hook information.
IsPaused	boolean	Indicates whether the campaign is paused. A paused campaign does not send messages unless you resume it by setting IsPaused to false.
Limits	CampaignLimits (p. 27)	The campaign limits settings.
MessageConfiguration	MessageConfiguration (p. 23)	The message configuration settings.
Name	string	The custom name of the campaign.
Schedule	Schedule (p. 25)	The campaign schedule.
SegmentId	string	The ID of the segment to which the campaign sends messages.
SegmentVersion	integer	The version of the segment to which the campaign sends messages.
TreatmentDescription	string	A custom description for the treatment.
TreatmentName	string	The custom name of a variation of the campaign used for A/B testing.

WriteTreatmentResource

Attribute	Type	Description
MessageConfiguration	MessageConfiguration (p. 23)	The message configuration settings.
Schedule	Schedule (p. 25)	The campaign schedule.
SizePercent	integer	The allocated percentage of users for this treatment.
TreatmentDescription	string	A custom description for the treatment.
TreatmentName	string	The custom name of a variation of the campaign used for A/B testing.

MessageConfiguration

Attribute	Type	Description
ADMMMessage	Message (p. 23)	The message that the campaign delivers to ADM channels. Overrides the default message.
APNSMessage	Message (p. 23)	The message that the campaign delivers to APNS channels. Overrides the default message.
BaiduMessage	Message (p. 23)	The message that the campaign delivers to Baidu channels. Overrides the default message.
DefaultMessage	Message (p. 23)	The default message for all channels.
EmailMessage	CampaignEmailMessage (p. 24)	The email message configuration.
GCMMessage	Message (p. 23)	The message that the campaign delivers to GCM channels. Overrides the default message.
SMSMessage	CampaignSmsMessage (p. 25)	The SMS message configuration.

Message

Attribute	Type	Description
Action	string	<p>The action that occurs if the user taps a push notification delivered by the campaign: OPEN_APP - Your app launches, or it becomes the foreground app if it has been sent to the background. This is the default action.</p> <p>DEEP_LINK - Uses deep linking features in iOS and Android to open your app and display a designated user interface within the app.</p> <p>URL - The default mobile browser on the user's device launches and opens a web page at the URL you specify.</p>
Body	string	The message body. Can include up to 140 characters.
ImageIconUrl	string	The URL that points to the icon image for the push notification icon, for example, the app icon.
ImageSmallIconUrl	string	The URL that points to the small icon image for the push notification icon, for example, the app icon.

Attribute	Type	Description
ImageUrl	string	The URL that points to an image used in the push notification.
JsonBody	string	The JSON payload used for a silent push.
MediaUrl	string	A URL that refers to the location of an image or video that you want to display in the push notification.
RawContent	string	The Raw JSON formatted string to be used as the payload. This value overrides the message.
SilentPush	boolean	Indicates if the message should display on the users device. Silent pushes can be used for Remote Configuration and Phone Home use cases.
TimeToLive	integer	This parameter specifies how long (in seconds) the message should be kept if the service is unable to deliver the notification the first time. If the value is 0, it treats the notification as if it expires immediately and does not store the notification or attempt to redeliver it. This value is converted to the expiration field when sent to the service. It only applies to APNs and GCM
Title	string	The message title that displays above the message on the user's device.
Url	string	The URL to open in the user's mobile browser. Used if the value for Action is URL.

CampaignEmailMessage

Attribute	Type	Description
Body	string	The email text body.
FromAddress	string	The email address used to send the email from. Defaults to use FromAddress specified in the Email Channel.
HtmlBody	string	The email html body.
Title	string	The email title (Or subject).

CampaignSmsMessage

Attribute	Type	Description
Body	string	The SMS text body.
MessageType	string	Is this is a transactional SMS message, otherwise a promotional message.
SenderId	string	Sender ID of sent message.

Schedule

Attribute	Type	Description
EndTime	string	The scheduled time that the campaign ends in ISO 8601 format.
Frequency	string	How often the campaign delivers messages. Valid values: ONCE, HOURLY, DAILY, WEEKLY, MONTHLY
IsLocalTime	boolean	Indicates whether the campaign schedule takes effect according to each user's local time.
QuietTime	QuietTime (p. 26)	<p>The default quiet time for the campaign. The campaign doesn't send messages to endpoints during the quiet time.</p> <p>Note: Make sure that your endpoints include the Demographics.Timezone attribute if you plan to enable a quiet time for your campaign. If your endpoints don't include this attribute, they'll receive the messages that you send them, even if quiet time is enabled.</p> <p>When you set up a campaign to use quiet time, the campaign doesn't send messages during the time range you specified, as long as all of the following are true:</p> <ul style="list-style-type: none">- The endpoint includes a valid Demographic.Timezone attribute.- The current time in the endpoint's time zone is later than or equal to the time specified in the QuietTime.Start attribute for the campaign.- The current time in the endpoint's time zone is earlier than or equal to the time specified in

Attribute	Type	Description
		the QuietTime.End attribute for the campaign.
StartTime	string	The scheduled time that the campaign begins in ISO 8601 format.
Timezone	string	<p>The starting UTC offset for the schedule if the value for isLocalTime is true</p> <p>Valid values: UTC UTC+01 UTC+02 UTC+03 UTC+03:30 UTC+04 UTC+04:30 UTC+05 UTC+05:30 UTC+05:45 UTC+06 UTC+06:30 UTC+07 UTC+08 UTC+09 UTC+09:30 UTC+10 UTC+10:30 UTC+11 UTC+12 UTC+13 UTC-02 UTC-03 UTC-04 UTC-05 UTC-06 UTC-07 UTC-08 UTC-09 UTC-10 UTC-11</p>

QuietTime

Attribute	Type	Description
End	string	The time at which quiet time should end. The value that you specify has to be in HH:mm format, where HH is the hour in 24-hour format (with a leading zero, if applicable), and mm is the minutes. For example, use 02:30 to represent 2:30 AM, or 14:30 to represent 2:30 PM.
Start	string	The time at which quiet time should begin. The value that you specify has to be in HH:mm format, where HH is the hour in 24-hour format (with a leading zero, if applicable), and mm is the minutes. For example, use 02:30 to represent 2:30 AM, or 14:30 to represent 2:30 PM.

CampaignHook

Attribute	Type	Description
LambdaFunctionName	string	Lambda function name or arn to be called for delivery
Mode	string	What mode Lambda should be invoked in.

Attribute	Type	Description
WebUrl	string	Web URL to call for hook. If the URL has authentication specified it will be added as authentication to the request

CampaignLimits

Attribute	Type	Description
Daily	integer	The maximum number of messages that each campaign can send to a single endpoint in a 24-hour period.
MaximumDuration	integer	The length of time (in seconds) that the campaign can run before it ends and message deliveries stop. This duration begins at the scheduled start time for the campaign. The minimum value is 60.
MessagesPerSecond	integer	The number of messages that the campaign can send per second. The minimum value is 50, and the maximum is 20000.
Total	integer	The maximum number of messages that an individual campaign can send to a single endpoint over the course of the campaign.

CampaignsResponse

Attribute	Type	Description
Item	array	A list of campaigns.
NextToken	string	The string that you use in a subsequent request to get the next page of results in a paginated response.

CampaignResponse

Attribute	Type	Description
AdditionalTreatments	array	Treatments that are defined in addition to the default treatment.
ApplicationId	string	The ID of the application to which the campaign applies.
CreationDate	string	The date the campaign was created in ISO 8601 format.

Attribute	Type	Description
DefaultState	CampaignState (p. 29)	The status of the campaign's default treatment. Only present for A/B test campaigns.
Description	string	A description of the campaign.
HoldoutPercent	integer	The allocated percentage of end users who will not receive messages from this campaign.
Hook	CampaignHook (p. 26)	Campaign hook information.
Id	string	The unique campaign ID.
IsPaused	boolean	Indicates whether the campaign is paused. A paused campaign does not send messages unless you resume it by setting IsPaused to false.
LastModifiedDate	string	The date the campaign was last updated in ISO 8601 format.
Limits	CampaignLimits (p. 27)	The campaign limits settings.
MessageConfiguration	MessageConfiguration (p. 23)	The message configuration settings.
Name	string	The custom name of the campaign.
Schedule	Schedule (p. 25)	The campaign schedule.
SegmentId	string	The ID of the segment to which the campaign sends messages.
SegmentVersion	integer	The version of the segment to which the campaign sends messages.
State	CampaignState (p. 29)	The campaign status. An A/B test campaign will have a status of COMPLETED only when all treatments have a status of COMPLETED.
TreatmentDescription	string	A custom description for the treatment.
TreatmentName	string	The custom name of a variation of the campaign used for A/B testing.
Version	integer	The campaign version number.

TreatmentResource

Attribute	Type	Description
Id	string	The unique treatment ID.

Attribute	Type	Description
MessageConfiguration	MessageConfiguration (p. 23)	The message configuration settings.
Schedule	Schedule (p. 25)	The campaign schedule.
SizePercent	integer	The allocated percentage of users for this treatment.
State	CampaignState (p. 29)	The treatment status.
TreatmentDescription	string	A custom description for the treatment.
TreatmentName	string	The custom name of a variation of the campaign used for A/B testing.

CampaignState

Attribute	Type	Description
CampaignStatus	string	<p>The status of the campaign, or the status of a treatment that belongs to an A/B test campaign.</p> <p>Valid values: SCHEDULED, EXECUTING, PENDING_NEXT_RUN, COMPLETED, PAUSED</p>

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestID	string	The unique message body ID.

Campaign

A campaign is a messaging initiative that engages a specific segment of end users. The information represented by this resource includes the segment that the campaign reaches out to, the message that it delivers, and the schedule on which it runs. You can use this resource to look up, update, or delete a campaign.

URI

/v1/apps/*application-id*/campaigns/*campaign-id*

HTTP Methods

DELETE

Deletes a campaign.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string
campaign-id	true	string

Response

Status Code	Schema
200	CampaignResponse (p. 44)

GET

Returns information about a campaign.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string
campaign-id	true	string

Response

Status Code	Schema
200	CampaignResponse (p. 44)

PUT

Use to update a campaign.

Body

Name	Required	Type
WriteCampaignRequest	true	WriteCampaignRequest (p. 39)

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string
campaign-id	true	string

Response

Status Code	Schema
200	CampaignResponse (p. 44)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 46)	BadRequestException
403	MessageBody (p. 46)	ForbiddenException
404	MessageBody (p. 46)	NotFoundException
405	MessageBody (p. 46)	MethodNotAllowedException
429	MessageBody (p. 46)	TooManyRequestsException
500	MessageBody (p. 46)	InternalServerErrorException

Schemas

Request Schemas

Example WriteCampaignRequest

```
{
  "TreatmentName": "string",
  "TreatmentDescription": "string",
  "MessageConfiguration": {
    "DefaultMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
```

```
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "APNSMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "GCMMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "ADMMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "BaiduMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "EmailMessage": {
```

```
        "Title": "string",
        "Body": "string",
        "HtmlBody": "string",
        "FromAddress": "string"
    },
    "SMSMessage": {
        "Body": "string",
        "MessageType": "TRANSACTIONAL",
        "SenderId": "string"
    }
},
"Schedule": {
    "StartTime": "string",
    "EndTime": "string",
    "Frequency": "ONCE",
    "IsLocalTime": true,
    "Timezone": "string",
    "QuietTime": {
        "Start": "string",
        "End": "string"
    }
},
"SegmentId": "string",
"SegmentVersion": 0,
"IsPaused": true,
"AdditionalTreatments": [
    {
        "TreatmentName": "string",
        "TreatmentDescription": "string",
        "MessageConfiguration": {
            "DefaultMessage": {
                "Title": "string",
                "Body": "string",
                "ImageUrl": "string",
                "ImageIconUrl": "string",
                "ImageSmallIconUrl": "string",
                "MediaUrl": "string",
                "Action": "OPEN_APP",
                "Url": "string",
                "SilentPush": true,
                "JsonBody": "string",
                "RawContent": "string",
                "TimeToLive": 0
            },
            "APNSMessage": {
                "Title": "string",
                "Body": "string",
                "ImageUrl": "string",
                "ImageIconUrl": "string",
                "ImageSmallIconUrl": "string",
                "MediaUrl": "string",
                "Action": "OPEN_APP",
                "Url": "string",
                "SilentPush": true,
                "JsonBody": "string",
                "RawContent": "string",
                "TimeToLive": 0
            },
            "GCMMessage": {
                "Title": "string",
                "Body": "string",
                "ImageUrl": "string",
                "ImageIconUrl": "string",
                "ImageSmallIconUrl": "string",
                "MediaUrl": "string",
                "Action": "OPEN_APP",
```

```

        "Url": "string",
        "SilentPush": true,
        "JsonBody": "string",
        "RawContent": "string",
        "TimeToLive": 0
    },
    "ADMMMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "ImageSmallIconUrl": "string",
        "MediaUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "SilentPush": true,
        "JsonBody": "string",
        "RawContent": "string",
        "TimeToLive": 0
    },
    "BaiduMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "ImageSmallIconUrl": "string",
        "MediaUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "SilentPush": true,
        "JsonBody": "string",
        "RawContent": "string",
        "TimeToLive": 0
    },
    "EmailMessage": {
        "Title": "string",
        "Body": "string",
        "HtmlBody": "string",
        "FromAddress": "string"
    },
    "SMSMessage": {
        "Body": "string",
        "MessageType": "TRANSACTIONAL",
        "SenderId": "string"
    }
},
"Schedule": {
    "StartTime": "string",
    "EndTime": "string",
    "Frequency": "ONCE",
    "IsLocalTime": true,
    "Timezone": "string",
    "QuietTime": {
        "Start": "string",
        "End": "string"
    }
},
"SizePercent": 0
}
],
"HoldoutPercent": 0,
"Limits": {
    "Daily": 0,
    "Total": 0,
    "MessagesPerSecond": 0,
    "MaximumDuration": 0
}

```



```
},
"Name": "string",
"Hook": {
  "LambdaFunctionName": "string",
  "WebUrl": "string",
  "Mode": "DELIVERY"
},
"Description": "string"
}
```

Response Schemas

Example CampaignResponse

```
{
  "TreatmentName": "string",
  "TreatmentDescription": "string",
  "MessageConfiguration": {
    "DefaultMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "ImageSmallIconUrl": "string",
      "MediaUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "SilentPush": true,
      "JsonBody": "string",
      "RawContent": "string",
      "TimeToLive": 0
    },
    "APNSMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "ImageSmallIconUrl": "string",
      "MediaUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "SilentPush": true,
      "JsonBody": "string",
      "RawContent": "string",
      "TimeToLive": 0
    },
    "GCMMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "ImageSmallIconUrl": "string",
      "MediaUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "SilentPush": true,
      "JsonBody": "string",
      "RawContent": "string",
      "TimeToLive": 0
    },
    "ADMMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",

```

```
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "BaiduMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "EmailMessage": {
    "Title": "string",
    "Body": "string",
    "HtmlBody": "string",
    "FromAddress": "string"
  },
  "SMSMessage": {
    "Body": "string",
    "MessageType": "TRANSACTIONAL",
    "SenderId": "string"
  }
},
"Schedule": {
  "StartTime": "string",
  "EndTime": "string",
  "Frequency": "ONCE",
  "IsLocalTime": true,
  "Timezone": "string",
  "QuietTime": {
    "Start": "string",
    "End": "string"
  }
},
"Id": "string",
"ApplicationId": "string",
"CreationDate": "string",
"LastModifiedDate": "string",
"SegmentId": "string",
"SegmentVersion": 0,
"AdditionalTreatments": [
  {
    "TreatmentName": "string",
    "TreatmentDescription": "string",
    "MessageConfiguration": {
      "DefaultMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "ImageSmallIconUrl": "string",
        "MediaUrl": "string",
        "Action": "OPEN_APP",
```

```
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "APNSMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "GCMMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "ADMMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "BaiduMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "EmailMessage": {
    "Title": "string",
    "Body": "string",
    "HtmlBody": "string",
```

```
        "FromAddress": "string"
      },
      "SMSMessage": {
        "Body": "string",
        "MessageType": "TRANSACTIONAL",
        "SenderId": "string"
      }
    },
    "Schedule": {
      "StartTime": "string",
      "EndTime": "string",
      "Frequency": "ONCE",
      "IsLocalTime": true,
      "Timezone": "string",
      "QuietTime": {
        "Start": "string",
        "End": "string"
      }
    },
    "SizePercent": 0,
    "Id": "string",
    "State": {
      "CampaignStatus": "SCHEDULED"
    }
  }
],
"HoldoutPercent": 0,
"Name": "string",
"Limits": {
  "Daily": 0,
  "Total": 0,
  "MessagesPerSecond": 0,
  "MaximumDuration": 0
},
"Description": "string",
"Hook": {
  "LambdaFunctionName": "string",
  "WebUrl": "string",
  "Mode": "DELIVERY"
},
"State": {
  "CampaignStatus": "SCHEDULED"
},
"DefaultState": {
  "CampaignStatus": "SCHEDULED"
},
"Version": 0,
"IsPaused": true
}
```

Example MessageBody

```
{
  "RequestId": "string",
  "Message": "string"
}
```

Attributes

WriteCampaignRequest

Attribute	Type	Description
AdditionalTreatments	array	Treatments that are defined in addition to the default treatment.
Description	string	A description of the campaign.
HoldoutPercent	integer	The allocated percentage of end users who will not receive messages from this campaign.
Hook	CampaignHook (p. 43)	Campaign hook information.
IsPaused	boolean	Indicates whether the campaign is paused. A paused campaign does not send messages unless you resume it by setting IsPaused to false.
Limits	CampaignLimits (p. 44)	The campaign limits settings.
MessageConfiguration	MessageConfiguration (p. 40)	The message configuration settings.
Name	string	The custom name of the campaign.
Schedule	Schedule (p. 42)	The campaign schedule.
SegmentId	string	The ID of the segment to which the campaign sends messages.
SegmentVersion	integer	The version of the segment to which the campaign sends messages.
TreatmentDescription	string	A custom description for the treatment.
TreatmentName	string	The custom name of a variation of the campaign used for A/B testing.

WriteTreatmentResource

Attribute	Type	Description
MessageConfiguration	MessageConfiguration (p. 40)	The message configuration settings.
Schedule	Schedule (p. 42)	The campaign schedule.
SizePercent	integer	The allocated percentage of users for this treatment.
TreatmentDescription	string	A custom description for the treatment.
TreatmentName	string	The custom name of a variation of the campaign used for A/B testing.

MessageConfiguration

Attribute	Type	Description
ADMMMessage	Message (p. 40)	The message that the campaign delivers to ADM channels. Overrides the default message.
APNSMessage	Message (p. 40)	The message that the campaign delivers to APNS channels. Overrides the default message.
BaiduMessage	Message (p. 40)	The message that the campaign delivers to Baidu channels. Overrides the default message.
DefaultMessage	Message (p. 40)	The default message for all channels.
EmailMessage	CampaignEmailMessage (p. 41)	The email message configuration.
GCMMessage	Message (p. 40)	The message that the campaign delivers to GCM channels. Overrides the default message.
SMSMessage	CampaignSmsMessage (p. 42)	The SMS message configuration.

Message

Attribute	Type	Description
Action	string	<p>The action that occurs if the user taps a push notification delivered by the campaign: OPEN_APP - Your app launches, or it becomes the foreground app if it has been sent to the background. This is the default action.</p> <p>DEEP_LINK - Uses deep linking features in iOS and Android to open your app and display a designated user interface within the app.</p> <p>URL - The default mobile browser on the user's device launches and opens a web page at the URL you specify.</p>
Body	string	The message body. Can include up to 140 characters.
ImageIconUrl	string	The URL that points to the icon image for the push notification icon, for example, the app icon.
ImageSmallIconUrl	string	The URL that points to the small icon image for the push notification icon, for example, the app icon.

Attribute	Type	Description
ImageUrl	string	The URL that points to an image used in the push notification.
JsonBody	string	The JSON payload used for a silent push.
MediaUrl	string	A URL that refers to the location of an image or video that you want to display in the push notification.
RawContent	string	The Raw JSON formatted string to be used as the payload. This value overrides the message.
SilentPush	boolean	Indicates if the message should display on the users device. Silent pushes can be used for Remote Configuration and Phone Home use cases.
TimeToLive	integer	This parameter specifies how long (in seconds) the message should be kept if the service is unable to deliver the notification the first time. If the value is 0, it treats the notification as if it expires immediately and does not store the notification or attempt to redeliver it. This value is converted to the expiration field when sent to the service. It only applies to APNs and GCM
Title	string	The message title that displays above the message on the user's device.
Url	string	The URL to open in the user's mobile browser. Used if the value for Action is URL.

CampaignEmailMessage

Attribute	Type	Description
Body	string	The email text body.
FromAddress	string	The email address used to send the email from. Defaults to use FromAddress specified in the Email Channel.
HtmlBody	string	The email html body.
Title	string	The email title (Or subject).

CampaignSmsMessage

Attribute	Type	Description
Body	string	The SMS text body.
MessageType	string	Is this is a transactional SMS message, otherwise a promotional message.
SenderId	string	Sender ID of sent message.

Schedule

Attribute	Type	Description
EndTime	string	The scheduled time that the campaign ends in ISO 8601 format.
Frequency	string	How often the campaign delivers messages. Valid values: ONCE, HOURLY, DAILY, WEEKLY, MONTHLY
IsLocalTime	boolean	Indicates whether the campaign schedule takes effect according to each user's local time.
QuietTime	QuietTime (p. 43)	<p>The default quiet time for the campaign. The campaign doesn't send messages to endpoints during the quiet time.</p> <p>Note: Make sure that your endpoints include the Demographics.Timezone attribute if you plan to enable a quiet time for your campaign. If your endpoints don't include this attribute, they'll receive the messages that you send them, even if quiet time is enabled.</p> <p>When you set up a campaign to use quiet time, the campaign doesn't send messages during the time range you specified, as long as all of the following are true:</p> <ul style="list-style-type: none">- The endpoint includes a valid Demographic.Timezone attribute.- The current time in the endpoint's time zone is later than or equal to the time specified in the QuietTime.Start attribute for the campaign.- The current time in the endpoint's time zone is earlier than or equal to the time specified in

Attribute	Type	Description
		the QuietTime.End attribute for the campaign.
StartTime	string	The scheduled time that the campaign begins in ISO 8601 format.
Timezone	string	<p>The starting UTC offset for the schedule if the value for isLocalTime is true</p> <p>Valid values: UTC UTC+01 UTC+02 UTC+03 UTC+03:30 UTC+04 UTC+04:30 UTC+05 UTC+05:30 UTC+05:45 UTC+06 UTC+06:30 UTC+07 UTC+08 UTC+09 UTC+09:30 UTC+10 UTC+10:30 UTC+11 UTC+12 UTC+13 UTC-02 UTC-03 UTC-04 UTC-05 UTC-06 UTC-07 UTC-08 UTC-09 UTC-10 UTC-11</p>

QuietTime

Attribute	Type	Description
End	string	The time at which quiet time should end. The value that you specify has to be in HH:mm format, where HH is the hour in 24-hour format (with a leading zero, if applicable), and mm is the minutes. For example, use 02:30 to represent 2:30 AM, or 14:30 to represent 2:30 PM.
Start	string	The time at which quiet time should begin. The value that you specify has to be in HH:mm format, where HH is the hour in 24-hour format (with a leading zero, if applicable), and mm is the minutes. For example, use 02:30 to represent 2:30 AM, or 14:30 to represent 2:30 PM.

CampaignHook

Attribute	Type	Description
LambdaFunctionName	string	Lambda function name or arn to be called for delivery
Mode	string	What mode Lambda should be invoked in.

Attribute	Type	Description
WebUrl	string	Web URL to call for hook. If the URL has authentication specified it will be added as authentication to the request

CampaignLimits

Attribute	Type	Description
Daily	integer	The maximum number of messages that each campaign can send to a single endpoint in a 24-hour period.
MaximumDuration	integer	The length of time (in seconds) that the campaign can run before it ends and message deliveries stop. This duration begins at the scheduled start time for the campaign. The minimum value is 60.
MessagesPerSecond	integer	The number of messages that the campaign can send per second. The minimum value is 50, and the maximum is 20000.
Total	integer	The maximum number of messages that an individual campaign can send to a single endpoint over the course of the campaign.

CampaignResponse

Attribute	Type	Description
AdditionalTreatments	array	Treatments that are defined in addition to the default treatment.
ApplicationId	string	The ID of the application to which the campaign applies.
CreationDate	string	The date the campaign was created in ISO 8601 format.
DefaultState	CampaignState (p. 46)	The status of the campaign's default treatment. Only present for A/B test campaigns.
Description	string	A description of the campaign.
HoldoutPercent	integer	The allocated percentage of end users who will not receive messages from this campaign.
Hook	CampaignHook (p. 43)	Campaign hook information.

Attribute	Type	Description
Id	string	The unique campaign ID.
IsPaused	boolean	Indicates whether the campaign is paused. A paused campaign does not send messages unless you resume it by setting IsPaused to false.
LastModifiedDate	string	The date the campaign was last updated in ISO 8601 format.
Limits	CampaignLimits (p. 44)	The campaign limits settings.
MessageConfiguration	MessageConfiguration (p. 40)	The message configuration settings.
Name	string	The custom name of the campaign.
Schedule	Schedule (p. 42)	The campaign schedule.
SegmentId	string	The ID of the segment to which the campaign sends messages.
SegmentVersion	integer	The version of the segment to which the campaign sends messages.
State	CampaignState (p. 46)	The campaign status. An A/B test campaign will have a status of COMPLETED only when all treatments have a status of COMPLETED.
TreatmentDescription	string	A custom description for the treatment.
TreatmentName	string	The custom name of a variation of the campaign used for A/B testing.
Version	integer	The campaign version number.

TreatmentResource

Attribute	Type	Description
Id	string	The unique treatment ID.
MessageConfiguration	MessageConfiguration (p. 40)	The message configuration settings.
Schedule	Schedule (p. 42)	The campaign schedule.
SizePercent	integer	The allocated percentage of users for this treatment.
State	CampaignState (p. 46)	The treatment status.
TreatmentDescription	string	A custom description for the treatment.

Attribute	Type	Description
TreatmentName	string	The custom name of a variation of the campaign used for A/B testing.

CampaignState

Attribute	Type	Description
CampaignStatus	string	The status of the campaign, or the status of a treatment that belongs to an A/B test campaign. Valid values: SCHEDULED, EXECUTING, PENDING_NEXT_RUN, COMPLETED, PAUSED

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

Campaign Activities

Provides information about the activity performed by a campaign, such as the time during which the campaign ran and the number of endpoints to which it delivered messages. You can use this resource to look up activity information by app ID and campaign ID.

URI

/v1/apps/*application-id*/campaigns/*campaign-id*/activities

HTTP Methods

GET

Returns information about the activity performed by a campaign.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Name	Required	Type
campaign-id	true	string

Query

Name	Required	Type
page-size	false	string
token	false	string

Response

Status Code	Schema
200	ActivitiesResponse (p. 48)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 49)	BadRequestException
403	MessageBody (p. 49)	ForbiddenException
404	MessageBody (p. 49)	NotFoundException
405	MessageBody (p. 49)	MethodNotAllowedException
429	MessageBody (p. 49)	TooManyRequestsException
500	MessageBody (p. 49)	InternalServerErrorException

Schemas

Response Schemas

Example ActivitiesResponse

```
{
  "Item": [
    {
      "Id": "string",
      "ApplicationId": "string",
      "CampaignId": "string",
      "TreatmentId": "string",
      "State": "string",
      "Result": "string",
      "ScheduledStart": "string",
      "Start": "string",
    }
  ]
}
```

```
    "End": "string",
    "SuccessfulEndpointCount": 0,
    "TotalEndpointCount": 0,
    "TimezonesTotalCount": 0,
    "TimezonesCompletedCount": 0
  }
]
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

ActivitiesResponse

Attribute	Type	Description
Item	array	List of campaign activities
NextToken	string	The string that you use in a subsequent request to get the next page of results in a paginated response.

ActivityResponse

Attribute	Type	Description
ApplicationId	string	The ID of the application to which the campaign applies.
CampaignId	string	The ID of the campaign to which the activity applies.
End	string	The actual time the activity was marked CANCELLED or COMPLETED. Provided in ISO 8601 format.
Id	string	The unique activity ID.
Result	string	Indicates whether the activity succeeded. Valid values: SUCCESS, FAIL
ScheduledStart	string	The scheduled start time for the activity in ISO 8601 format.
Start	string	The actual start time of the activity in ISO 8601 format.
State	string	The state of the activity.

Attribute	Type	Description
		Valid values: PENDING, INITIALIZING, RUNNING, PAUSED, CANCELLED, COMPLETED
SuccessfulEndpointCount	integer	The total number of endpoints to which the campaign successfully delivered messages.
TimezonesCompletedCount	integer	The total number of timezones completed.
TimezonesTotalCount	integer	The total number of unique timezones present in the segment.
TotalEndpointCount	integer	The total number of endpoints to which the campaign attempts to deliver messages.
TreatmentId	string	The ID of a variation of the campaign used for A/B testing.

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

Campaign Versions

Provides a list of versions for a specific campaign.

URI

/v1/apps/*application-id*/campaigns/*campaign-id*/versions

HTTP Methods

GET

Returns information about your campaign versions.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string
campaign-id	true	string

Query

Name	Required	Type
page-size	false	string
token	false	string

Response

Status Code	Schema
200	CampaignsResponse (p. 54)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 61)	BadRequestException
403	MessageBody (p. 61)	ForbiddenException
404	MessageBody (p. 61)	NotFoundException
405	MessageBody (p. 61)	MethodNotAllowedException
429	MessageBody (p. 61)	TooManyRequestsException
500	MessageBody (p. 61)	InternalServerErrorException

Schemas

Response Schemas

Example CampaignsResponse

```
{
  "Item": [
    {
      "TreatmentName": "string",
      "TreatmentDescription": "string",
      "MessageConfiguration": {
        "DefaultMessage": {
          "Title": "string",
          "Body": "string",

```



```
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "APNSMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "GCMMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "ADMMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "BaiduMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  }
```

```

    },
    "EmailMessage": {
      "Title": "string",
      "Body": "string",
      "HtmlBody": "string",
      "FromAddress": "string"
    },
    "SMSMessage": {
      "Body": "string",
      "MessageType": "TRANSACTIONAL",
      "SenderId": "string"
    }
  },
  "Schedule": {
    "StartTime": "string",
    "EndTime": "string",
    "Frequency": "ONCE",
    "IsLocalTime": true,
    "Timezone": "string",
    "QuietTime": {
      "Start": "string",
      "End": "string"
    }
  },
  "Id": "string",
  "ApplicationId": "string",
  "CreationDate": "string",
  "LastModifiedDate": "string",
  "SegmentId": "string",
  "SegmentVersion": 0,
  "AdditionalTreatments": [
    {
      "TreatmentName": "string",
      "TreatmentDescription": "string",
      "MessageConfiguration": {
        "DefaultMessage": {
          "Title": "string",
          "Body": "string",
          "ImageUrl": "string",
          "ImageIconUrl": "string",
          "ImageSmallIconUrl": "string",
          "MediaUrl": "string",
          "Action": "OPEN_APP",
          "Url": "string",
          "SilentPush": true,
          "JsonBody": "string",
          "RawContent": "string",
          "TimeToLive": 0
        },
        "APNSMessage": {
          "Title": "string",
          "Body": "string",
          "ImageUrl": "string",
          "ImageIconUrl": "string",
          "ImageSmallIconUrl": "string",
          "MediaUrl": "string",
          "Action": "OPEN_APP",
          "Url": "string",
          "SilentPush": true,
          "JsonBody": "string",
          "RawContent": "string",
          "TimeToLive": 0
        },
        "GCMMessage": {
          "Title": "string",
          "Body": "string",

```

```
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "ADMMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "BaiduMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "EmailMessage": {
    "Title": "string",
    "Body": "string",
    "HtmlBody": "string",
    "FromAddress": "string"
  },
  "SMSMessage": {
    "Body": "string",
    "MessageType": "TRANSACTIONAL",
    "SenderId": "string"
  }
},
"Schedule": {
  "StartTime": "string",
  "EndTime": "string",
  "Frequency": "ONCE",
  "IsLocalTime": true,
  "Timezone": "string",
  "QuietTime": {
    "Start": "string",
    "End": "string"
  }
},
"SizePercent": 0,
"Id": "string",
"State": {
  "CampaignStatus": "SCHEDULED"
```

```
    }
  },
  "HoldoutPercent": 0,
  "Name": "string",
  "Limits": {
    "Daily": 0,
    "Total": 0,
    "MessagesPerSecond": 0,
    "MaximumDuration": 0
  },
  "Description": "string",
  "Hook": {
    "LambdaFunctionName": "string",
    "WebUrl": "string",
    "Mode": "DELIVERY"
  },
  "State": {
    "CampaignStatus": "SCHEDULED"
  },
  "DefaultState": {
    "CampaignStatus": "SCHEDULED"
  },
  "Version": 0,
  "IsPaused": true
}
],
"NextToken": "string"
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

CampaignsResponse

Attribute	Type	Description
Item	array	A list of campaigns.
NextToken	string	The string that you use in a subsequent request to get the next page of results in a paginated response.

CampaignResponse

Attribute	Type	Description
AdditionalTreatments	array	Treatments that are defined in addition to the default treatment.
ApplicationId	string	The ID of the application to which the campaign applies.

Attribute	Type	Description
CreationDate	string	The date the campaign was created in ISO 8601 format.
DefaultState	CampaignState (p. 60)	The status of the campaign's default treatment. Only present for A/B test campaigns.
Description	string	A description of the campaign.
HoldoutPercent	integer	The allocated percentage of end users who will not receive messages from this campaign.
Hook	CampaignHook (p. 60)	Campaign hook information.
Id	string	The unique campaign ID.
IsPaused	boolean	Indicates whether the campaign is paused. A paused campaign does not send messages unless you resume it by setting IsPaused to false.
LastModifiedDate	string	The date the campaign was last updated in ISO 8601 format.
Limits	CampaignLimits (p. 60)	The campaign limits settings.
MessageConfiguration	MessageConfiguration (p. 56)	The message configuration settings.
Name	string	The custom name of the campaign.
Schedule	Schedule (p. 58)	The campaign schedule.
SegmentId	string	The ID of the segment to which the campaign sends messages.
SegmentVersion	integer	The version of the segment to which the campaign sends messages.
State	CampaignState (p. 60)	The campaign status. An A/B test campaign will have a status of COMPLETED only when all treatments have a status of COMPLETED.
TreatmentDescription	string	A custom description for the treatment.
TreatmentName	string	The custom name of a variation of the campaign used for A/B testing.
Version	integer	The campaign version number.

TreatmentResource

Attribute	Type	Description
Id	string	The unique treatment ID.
MessageConfiguration	MessageConfiguration (p. 56)	The message configuration settings.
Schedule	Schedule (p. 58)	The campaign schedule.
SizePercent	integer	The allocated percentage of users for this treatment.
State	CampaignState (p. 60)	The treatment status.
TreatmentDescription	string	A custom description for the treatment.
TreatmentName	string	The custom name of a variation of the campaign used for A/B testing.

MessageConfiguration

Attribute	Type	Description
ADMMMessage	Message (p. 56)	The message that the campaign delivers to ADM channels. Overrides the default message.
APNSMessage	Message (p. 56)	The message that the campaign delivers to APNS channels. Overrides the default message.
BaiduMessage	Message (p. 56)	The message that the campaign delivers to Baidu channels. Overrides the default message.
DefaultMessage	Message (p. 56)	The default message for all channels.
EmailMessage	CampaignEmailMessage (p. 58)	The email message configuration.
GCMMessage	Message (p. 56)	The message that the campaign delivers to GCM channels. Overrides the default message.
SMSMessage	CampaignSmsMessage (p. 58)	The SMS message configuration.

Message

Attribute	Type	Description
Action	string	The action that occurs if the user taps a push notification delivered by the campaign: OPEN_APP - Your app launches, or it becomes the foreground app if it has been sent to the background. This is the default action.

Attribute	Type	Description
		<p>DEEP_LINK - Uses deep linking features in iOS and Android to open your app and display a designated user interface within the app.</p> <p>URL - The default mobile browser on the user's device launches and opens a web page at the URL you specify.</p>
Body	string	The message body. Can include up to 140 characters.
ImageIconUrl	string	The URL that points to the icon image for the push notification icon, for example, the app icon.
ImageSmallIconUrl	string	The URL that points to the small icon image for the push notification icon, for example, the app icon.
ImageUrl	string	The URL that points to an image used in the push notification.
JsonBody	string	The JSON payload used for a silent push.
MediaUrl	string	A URL that refers to the location of an image or video that you want to display in the push notification.
RawContent	string	The Raw JSON formatted string to be used as the payload. This value overrides the message.
SilentPush	boolean	<p>Indicates if the message should display on the users device.</p> <p>Silent pushes can be used for Remote Configuration and Phone Home use cases.</p>
TimeToLive	integer	This parameter specifies how long (in seconds) the message should be kept if the service is unable to deliver the notification the first time. If the value is 0, it treats the notification as if it expires immediately and does not store the notification or attempt to redeliver it. This value is converted to the expiration field when sent to the service. It only applies to APNs and GCM

Attribute	Type	Description
Title	string	The message title that displays above the message on the user's device.
Url	string	The URL to open in the user's mobile browser. Used if the value for Action is URL.

CampaignEmailMessage

Attribute	Type	Description
Body	string	The email text body.
FromAddress	string	The email address used to send the email from. Defaults to use FromAddress specified in the Email Channel.
HtmlBody	string	The email html body.
Title	string	The email title (Or subject).

CampaignSmsMessage

Attribute	Type	Description
Body	string	The SMS text body.
MessageType	string	Is this is a transactional SMS message, otherwise a promotional message.
SenderId	string	Sender ID of sent message.

Schedule

Attribute	Type	Description
EndTime	string	The scheduled time that the campaign ends in ISO 8601 format.
Frequency	string	How often the campaign delivers messages. Valid values: ONCE, HOURLY, DAILY, WEEKLY, MONTHLY
IsLocalTime	boolean	Indicates whether the campaign schedule takes effect according to each user's local time.
QuietTime	QuietTime (p. 59)	The default quiet time for the campaign. The campaign doesn't

Attribute	Type	Description
		<p>send messages to endpoints during the quiet time.</p> <p>Note: Make sure that your endpoints include the Demographics.Timezone attribute if you plan to enable a quiet time for your campaign. If your endpoints don't include this attribute, they'll receive the messages that you send them, even if quiet time is enabled.</p> <p>When you set up a campaign to use quiet time, the campaign doesn't send messages during the time range you specified, as long as all of the following are true: - The endpoint includes a valid Demographic.Timezone attribute. - The current time in the endpoint's time zone is later than or equal to the time specified in the QuietTime.Start attribute for the campaign. - The current time in the endpoint's time zone is earlier than or equal to the time specified in the QuietTime.End attribute for the campaign.</p>
StartTime	string	The scheduled time that the campaign begins in ISO 8601 format.
Timezone	string	<p>The starting UTC offset for the schedule if the value for isLocalTime is true</p> <p>Valid values: UTC UTC+01 UTC+02 UTC+03 UTC+03:30 UTC+04 UTC+04:30 UTC+05 UTC+05:30 UTC+05:45 UTC+06 UTC+06:30 UTC+07 UTC+08 UTC+09 UTC+09:30 UTC+10 UTC+10:30 UTC+11 UTC+12 UTC+13 UTC-02 UTC-03 UTC-04 UTC-05 UTC-06 UTC-07 UTC-08 UTC-09 UTC-10 UTC-11</p>

QuietTime

Attribute	Type	Description
End	string	The time at which quiet time should end. The value that you specify has to be in HH:mm format, where HH is the hour in 24-hour format (with

Attribute	Type	Description
		a leading zero, if applicable), and mm is the minutes. For example, use 02:30 to represent 2:30 AM, or 14:30 to represent 2:30 PM.
Start	string	The time at which quiet time should begin. The value that you specify has to be in HH:mm format, where HH is the hour in 24-hour format (with a leading zero, if applicable), and mm is the minutes. For example, use 02:30 to represent 2:30 AM, or 14:30 to represent 2:30 PM.

CampaignState

Attribute	Type	Description
CampaignStatus	string	The status of the campaign, or the status of a treatment that belongs to an A/B test campaign. Valid values: SCHEDULED, EXECUTING, PENDING_NEXT_RUN, COMPLETED, PAUSED

CampaignHook

Attribute	Type	Description
LambdaFunctionName	string	Lambda function name or arn to be called for delivery
Mode	string	What mode Lambda should be invoked in.
WebUrl	string	Web URL to call for hook. If the URL has authentication specified it will be added as authentication to the request

CampaignLimits

Attribute	Type	Description
Daily	integer	The maximum number of messages that each campaign can send to a single endpoint in a 24-hour period.
MaximumDuration	integer	The length of time (in seconds) that the campaign can run before it ends and message deliveries stop. This duration begins at the scheduled

Attribute	Type	Description
		start time for the campaign. The minimum value is 60.
MessagesPerSecond	integer	The number of messages that the campaign can send per second. The minimum value is 50, and the maximum is 20000.
Total	integer	The maximum number of messages that an individual campaign can send to a single endpoint over the course of the campaign.

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestID	string	The unique message body ID.

Campaign Version

Provides information about a specific campaign version.

URI

/v1/apps/*application-id*/campaigns/*campaign-id*/versions/*version*

HTTP Methods

GET

Returns information about a specific version of a campaign.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string
campaign-id	true	string

Name	Required	Type
version	true	string

Response

Status Code	Schema
200	CampaignResponse (p. 66)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 72)	BadRequestException
403	MessageBody (p. 72)	ForbiddenException
404	MessageBody (p. 72)	NotFoundException
405	MessageBody (p. 72)	MethodNotAllowedException
429	MessageBody (p. 72)	TooManyRequestsException
500	MessageBody (p. 72)	InternalServerErrorException

Schemas

Response Schemas

Example CampaignResponse

```
{
  "TreatmentName": "string",
  "TreatmentDescription": "string",
  "MessageConfiguration": {
    "DefaultMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "ImageSmallIconUrl": "string",
      "MediaUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "SilentPush": true,
      "JsonBody": "string",
      "RawContent": "string",
      "TimeToLive": 0
    },
    "APNSMessage": {
      "Title": "string",
      "Body": "string",

```

```
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "GCMMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "ADMMMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "BaiduMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "ImageSmallIconUrl": "string",
    "MediaUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "JsonBody": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "EmailMessage": {
    "Title": "string",
    "Body": "string",
    "HtmlBody": "string",
    "FromAddress": "string"
  },
  "SMSMessage": {
    "Body": "string",
    "MessageType": "TRANSACTIONAL",
    "SenderId": "string"
  }
},
"Schedule": {
```

```
"StartTime": "string",
"EndTime": "string",
"Frequency": "ONCE",
"IsLocalTime": true,
"Timezone": "string",
"QuietTime": {
  "Start": "string",
  "End": "string"
}
},
"Id": "string",
"ApplicationId": "string",
"CreationDate": "string",
"LastModifiedDate": "string",
"SegmentId": "string",
"SegmentVersion": 0,
"AdditionalTreatments": [
  {
    "TreatmentName": "string",
    "TreatmentDescription": "string",
    "MessageConfiguration": {
      "DefaultMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "ImageSmallIconUrl": "string",
        "MediaUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "SilentPush": true,
        "JsonBody": "string",
        "RawContent": "string",
        "TimeToLive": 0
      },
      "APNSMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "ImageSmallIconUrl": "string",
        "MediaUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "SilentPush": true,
        "JsonBody": "string",
        "RawContent": "string",
        "TimeToLive": 0
      },
      "GCMMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "ImageSmallIconUrl": "string",
        "MediaUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "SilentPush": true,
        "JsonBody": "string",
        "RawContent": "string",
        "TimeToLive": 0
      },
      "ADMMessage": {
        "Title": "string",
        "Body": "string",
```

```
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "ImageSmallIconUrl": "string",
        "MediaUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "SilentPush": true,
        "JsonBody": "string",
        "RawContent": "string",
        "TimeToLive": 0
    },
    "BaiduMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "ImageSmallIconUrl": "string",
        "MediaUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "SilentPush": true,
        "JsonBody": "string",
        "RawContent": "string",
        "TimeToLive": 0
    },
    "EmailMessage": {
        "Title": "string",
        "Body": "string",
        "HtmlBody": "string",
        "FromAddress": "string"
    },
    "SMSMessage": {
        "Body": "string",
        "MessageType": "TRANSACTIONAL",
        "SenderId": "string"
    }
},
"Schedule": {
    "StartTime": "string",
    "EndTime": "string",
    "Frequency": "ONCE",
    "IsLocalTime": true,
    "Timezone": "string",
    "QuietTime": {
        "Start": "string",
        "End": "string"
    }
},
"SizePercent": 0,
"Id": "string",
"State": {
    "CampaignStatus": "SCHEDULED"
}
},
"HoldoutPercent": 0,
"Name": "string",
"Limits": {
    "Daily": 0,
    "Total": 0,
    "MessagesPerSecond": 0,
    "MaximumDuration": 0
},
"Description": "string",
"Hook": {
    "LambdaFunctionName": "string",
```

```
{
  "WebUrl": "string",
  "Mode": "DELIVERY"
},
"State": {
  "CampaignStatus": "SCHEDULED"
},
"DefaultState": {
  "CampaignStatus": "SCHEDULED"
},
"Version": 0,
"IsPaused": true
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

CampaignResponse

Attribute	Type	Description
AdditionalTreatments	array	Treatments that are defined in addition to the default treatment.
ApplicationId	string	The ID of the application to which the campaign applies.
CreationDate	string	The date the campaign was created in ISO 8601 format.
DefaultState	CampaignState (p. 71)	The status of the campaign's default treatment. Only present for A/B test campaigns.
Description	string	A description of the campaign.
HoldoutPercent	integer	The allocated percentage of end users who will not receive messages from this campaign.
Hook	CampaignHook (p. 72)	Campaign hook information.
Id	string	The unique campaign ID.
IsPaused	boolean	Indicates whether the campaign is paused. A paused campaign does not send messages unless you resume it by setting IsPaused to false.
LastModifiedDate	string	The date the campaign was last updated in ISO 8601 format.
Limits	CampaignLimits (p. 72)	The campaign limits settings.

Attribute	Type	Description
MessageConfiguration	MessageConfiguration (p. 67)	The message configuration settings.
Name	string	The custom name of the campaign.
Schedule	Schedule (p. 70)	The campaign schedule.
SegmentId	string	The ID of the segment to which the campaign sends messages.
SegmentVersion	integer	The version of the segment to which the campaign sends messages.
State	CampaignState (p. 71)	The campaign status. An A/B test campaign will have a status of COMPLETED only when all treatments have a status of COMPLETED.
TreatmentDescription	string	A custom description for the treatment.
TreatmentName	string	The custom name of a variation of the campaign used for A/B testing.
Version	integer	The campaign version number.

TreatmentResource

Attribute	Type	Description
Id	string	The unique treatment ID.
MessageConfiguration	MessageConfiguration (p. 67)	The message configuration settings.
Schedule	Schedule (p. 70)	The campaign schedule.
SizePercent	integer	The allocated percentage of users for this treatment.
State	CampaignState (p. 71)	The treatment status.
TreatmentDescription	string	A custom description for the treatment.
TreatmentName	string	The custom name of a variation of the campaign used for A/B testing.

MessageConfiguration

Attribute	Type	Description
ADMMMessage	Message (p. 68)	The message that the campaign delivers to ADM channels. Overrides the default message.

Attribute	Type	Description
APNSMessage	Message (p. 68)	The message that the campaign delivers to APNS channels. Overrides the default message.
BaiduMessage	Message (p. 68)	The message that the campaign delivers to Baidu channels. Overrides the default message.
DefaultMessage	Message (p. 68)	The default message for all channels.
EmailMessage	CampaignEmailMessage (p. 69)	The email message configuration.
GCMMessage	Message (p. 68)	The message that the campaign delivers to GCM channels. Overrides the default message.
SMSMessage	CampaignSmsMessage (p. 70)	The SMS message configuration.

Message

Attribute	Type	Description
Action	string	<p>The action that occurs if the user taps a push notification delivered by the campaign: OPEN_APP - Your app launches, or it becomes the foreground app if it has been sent to the background. This is the default action.</p> <p>DEEP_LINK - Uses deep linking features in iOS and Android to open your app and display a designated user interface within the app.</p> <p>URL - The default mobile browser on the user's device launches and opens a web page at the URL you specify.</p>
Body	string	The message body. Can include up to 140 characters.
ImageIconUrl	string	The URL that points to the icon image for the push notification icon, for example, the app icon.
ImageSmallIconUrl	string	The URL that points to the small icon image for the push notification icon, for example, the app icon.
ImageUrl	string	The URL that points to an image used in the push notification.

Attribute	Type	Description
JsonBody	string	The JSON payload used for a silent push.
MediaUrl	string	A URL that refers to the location of an image or video that you want to display in the push notification.
RawContent	string	The Raw JSON formatted string to be used as the payload. This value overrides the message.
SilentPush	boolean	Indicates if the message should display on the users device. Silent pushes can be used for Remote Configuration and Phone Home use cases.
TimeToLive	integer	This parameter specifies how long (in seconds) the message should be kept if the service is unable to deliver the notification the first time. If the value is 0, it treats the notification as if it expires immediately and does not store the notification or attempt to redeliver it. This value is converted to the expiration field when sent to the service. It only applies to APNs and GCM
Title	string	The message title that displays above the message on the user's device.
Url	string	The URL to open in the user's mobile browser. Used if the value for Action is URL.

CampaignEmailMessage

Attribute	Type	Description
Body	string	The email text body.
FromAddress	string	The email address used to send the email from. Defaults to use FromAddress specified in the Email Channel.
HtmlBody	string	The email html body.
Title	string	The email title (Or subject).

CampaignSmsMessage

Attribute	Type	Description
Body	string	The SMS text body.
MessageType	string	Is this is a transactional SMS message, otherwise a promotional message.
SenderId	string	Sender ID of sent message.

Schedule

Attribute	Type	Description
EndTime	string	The scheduled time that the campaign ends in ISO 8601 format.
Frequency	string	How often the campaign delivers messages. Valid values: ONCE, HOURLY, DAILY, WEEKLY, MONTHLY
IsLocalTime	boolean	Indicates whether the campaign schedule takes effect according to each user's local time.
QuietTime	QuietTime (p. 71)	<p>The default quiet time for the campaign. The campaign doesn't send messages to endpoints during the quiet time.</p> <p>Note: Make sure that your endpoints include the Demographics.Timezone attribute if you plan to enable a quiet time for your campaign. If your endpoints don't include this attribute, they'll receive the messages that you send them, even if quiet time is enabled.</p> <p>When you set up a campaign to use quiet time, the campaign doesn't send messages during the time range you specified, as long as all of the following are true:</p> <ul style="list-style-type: none">- The endpoint includes a valid Demographic.Timezone attribute.- The current time in the endpoint's time zone is later than or equal to the time specified in the QuietTime.Start attribute for the campaign.- The current time in the endpoint's time zone is earlier than or equal to the time specified in

Attribute	Type	Description
		the QuietTime.End attribute for the campaign.
StartTime	string	The scheduled time that the campaign begins in ISO 8601 format.
Timezone	string	<p>The starting UTC offset for the schedule if the value for isLocalTime is true</p> <p>Valid values: UTC UTC+01 UTC+02 UTC+03 UTC+03:30 UTC+04 UTC+04:30 UTC+05 UTC+05:30 UTC+05:45 UTC+06 UTC+06:30 UTC+07 UTC+08 UTC+09 UTC+09:30 UTC+10 UTC+10:30 UTC+11 UTC+12 UTC+13 UTC-02 UTC-03 UTC-04 UTC-05 UTC-06 UTC-07 UTC-08 UTC-09 UTC-10 UTC-11</p>

QuietTime

Attribute	Type	Description
End	string	The time at which quiet time should end. The value that you specify has to be in HH:mm format, where HH is the hour in 24-hour format (with a leading zero, if applicable), and mm is the minutes. For example, use 02:30 to represent 2:30 AM, or 14:30 to represent 2:30 PM.
Start	string	The time at which quiet time should begin. The value that you specify has to be in HH:mm format, where HH is the hour in 24-hour format (with a leading zero, if applicable), and mm is the minutes. For example, use 02:30 to represent 2:30 AM, or 14:30 to represent 2:30 PM.

CampaignState

Attribute	Type	Description
CampaignStatus	string	The status of the campaign, or the status of a treatment that belongs to an A/B test campaign.

Attribute	Type	Description
		Valid values: SCHEDULED, EXECUTING, PENDING_NEXT_RUN, COMPLETED, PAUSED

CampaignHook

Attribute	Type	Description
LambdaFunctionName	string	Lambda function name or arn to be called for delivery
Mode	string	What mode Lambda should be invoked in.
WebUrl	string	Web URL to call for hook. If the URL has authentication specified it will be added as authentication to the request

CampaignLimits

Attribute	Type	Description
Daily	integer	The maximum number of messages that each campaign can send to a single endpoint in a 24-hour period.
MaximumDuration	integer	The length of time (in seconds) that the campaign can run before it ends and message deliveries stop. This duration begins at the scheduled start time for the campaign. The minimum value is 60.
MessagesPerSecond	integer	The number of messages that the campaign can send per second. The minimum value is 50, and the maximum is 20000.
Total	integer	The maximum number of messages that an individual campaign can send to a single endpoint over the course of the campaign.

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

ADM Channel

Use the ADM channel to send push notifications through the Amazon Device Messaging (ADM) service. With this channel, you can send notifications to apps running on Amazon devices, such as Kindle Fire tablets.

URI

/v1/apps/*application-id*/channels/adm

HTTP Methods

DELETE

Delete an ADM channel.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	ADMChannelResponse (p. 76)

GET

Get an ADM channel.

Header

Name	Required	Type
accept	false	string
x-amz-user-agent	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	ADMChannelResponse (p. 76)

PUT

Update an ADM channel.

Body

Name	Required	Type
ADMChannelRequest	true	ADMChannelRequest (p. 75)

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	ADMChannelResponse (p. 76)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 76)	BadRequestException
403	MessageBody (p. 76)	ForbiddenException
404	MessageBody (p. 76)	NotFoundException
405	MessageBody (p. 76)	MethodNotAllowedException
429	MessageBody (p. 76)	TooManyRequestsException
500	MessageBody (p. 76)	InternalServerErrorException

Schemas

Request Schemas

Example ADMChannelRequest

```
{
  "ClientId": "string",
  "ClientSecret": "string",
  "Enabled": true
}
```

Response Schemas

Example ADMChannelResponse

```
{
  "ApplicationId": "string",
  "IsArchived": true,
  "Version": 0,
  "CreationDate": "string",
  "LastModifiedDate": "string",
  "LastModifiedBy": "string",
  "Id": "string",
  "Enabled": true,
  "HasCredential": true,
  "Platform": "string"
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

ADMChannelRequest

Attribute	Type	Description
ClientId	string	The Client ID that you obtained from the Amazon App Distribution Portal.
ClientSecret	string	The Client Secret that you obtained from the Amazon App Distribution Portal.
Enabled	boolean	Indicates whether or not the channel is enabled for sending messages.

ADMChannelResponse

Attribute	Type	Description
ApplicationId	string	The ID of the application to which the channel applies.
CreationDate	string	The date and time when this channel was created.
Enabled	boolean	Indicates whether or not the channel is enabled for sending messages.
HasCredential	boolean	Not used. Retained for backwards compatibility.
Id	string	(Deprecated) An identifier for the channel. Retained for backwards compatibility.
IsArchived	boolean	Indicates whether or not the channel is archived.
LastModifiedBy	string	The user who last updated this channel.
LastModifiedDate	string	The date and time when this channel was last modified.
Platform	string	The platform type. For this channel, the value is always "ADM."
Version	integer	The channel version.

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

APNs Channel

A channel defines the types of platforms to which you can deliver messages. Before you can use Amazon Pinpoint to send messages using Apple Push Notification service (APNs), you must create an APNs channel. You can use this resource to create, update, look up, or delete an APNs channel.

URI

/v1/apps/*application-id*/channels/apns

HTTP Methods

DELETE

Deletes the APNs channel for an app.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	APNSChannelResponse (p. 80)

GET

Returns information about the APNs channel for an app.

Header

Name	Required	Type
accept	false	string
x-amz-user-agent	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	APNSChannelResponse (p. 80)

PUT

Use to update the APNs channel for an app.

Body

Name	Required	Type
APNSChannelRequest	true	APNSChannelRequest (p. 79)

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	APNSChannelResponse (p. 80)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 80)	BadRequestException
403	MessageBody (p. 80)	ForbiddenException
404	MessageBody (p. 80)	NotFoundException
405	MessageBody (p. 80)	MethodNotAllowedException
429	MessageBody (p. 80)	TooManyRequestsException
500	MessageBody (p. 80)	InternalServerErrorException

Schemas

Request Schemas

Example APNSChannelRequest

```
{
  "Certificate": "string",
  "PrivateKey": "string",
```

```
{
  "Enabled": true,
  "TokenKeyId": "string",
  "TeamId": "string",
  "TokenKey": "string",
  "BundleId": "string",
  "DefaultAuthenticationMethod": "string"
}
```

Response Schemas

Example APNSChannelResponse

```
{
  "ApplicationId": "string",
  "IsArchived": true,
  "Version": 0,
  "CreationDate": "string",
  "LastModifiedDate": "string",
  "LastModifiedBy": "string",
  "Id": "string",
  "Enabled": true,
  "HasCredential": true,
  "Platform": "string",
  "HasTokenKey": true,
  "DefaultAuthenticationMethod": "string"
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

APNSChannelRequest

Attribute	Type	Description
BundleId	string	The bundle id used for APNs Tokens.
Certificate	string	The distribution certificate from Apple.
DefaultAuthenticationMethod	string	The default authentication method used for APNs.
Enabled	boolean	If the channel is enabled for sending messages.
PrivateKey	string	The certificate private key.
TeamId	string	The team id used for APNs Tokens.
TokenKey	string	The token key used for APNs Tokens.
TokenKeyId	string	The token key used for APNs Tokens.

APNSChannelResponse

Attribute	Type	Description
ApplicationId	string	The ID of the application that the channel applies to.
CreationDate	string	The date and time when this channel was created.
DefaultAuthenticationMethod	string	The default authentication method used for APNs.
Enabled	boolean	If the channel is enabled for sending messages.
HasCredential	boolean	Not used. Retained for backwards compatibility.
HasTokenKey	boolean	Indicates whether the channel is configured with a key for APNs token authentication. Provide a token key by setting the TokenKey attribute.
Id	string	(Deprecated) An identifier for the channel. Retained for backwards compatibility.
IsArchived	boolean	Indicates whether or not the channel is archived.
LastModifiedBy	string	The user who last updated this channel.
LastModifiedDate	string	The date and time when this channel was last modified.
Platform	string	The platform type. For this channel, the value is always "ADM."
Version	integer	The channel version.

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

APNs Sandbox Channel

A channel defines the types of platforms to which you can deliver messages. Before you can use Amazon Pinpoint to send messages to the Apple Push Notification service (APNs) sandbox environment, you must create an APNs sandbox channel. You can use this resource to create, update, look up, or delete an APNs sandbox channel.

URI

/v1/apps/*application-id*/channels/apns_sandbox

HTTP Methods

DELETE

Delete an APNS sandbox channel.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	APNSSandboxChannelResponse (p. 84)

GET

Get an APNS sandbox channel.

Header

Name	Required	Type
accept	false	string
x-amz-user-agent	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	APNSSandboxChannelResponse (p. 84)

PUT

Update an APNS sandbox channel.

Body

Name	Required	Type
APNSSandboxChannelRequest	true	APNSSandboxChannelRequest (p. 83)

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	APNSSandboxChannelResponse (p. 84)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 84)	BadRequestException
403	MessageBody (p. 84)	ForbiddenException
404	MessageBody (p. 84)	NotFoundException
405	MessageBody (p. 84)	MethodNotAllowedException
429	MessageBody (p. 84)	TooManyRequestsException
500	MessageBody (p. 84)	InternalServerErrorException

Schemas

Request Schemas

Example APNSSandboxChannelRequest

```
{
```



```
"Certificate": "string",
"PrivateKey": "string",
"Enabled": true,
"TokenKeyId": "string",
"TeamId": "string",
"TokenKey": "string",
"BundleId": "string",
"DefaultAuthenticationMethod": "string"
}
```

Response Schemas

Example APNSSandboxChannelResponse

```
{
  "ApplicationId": "string",
  "IsArchived": true,
  "Version": 0,
  "CreationDate": "string",
  "LastModifiedDate": "string",
  "LastModifiedBy": "string",
  "Id": "string",
  "Enabled": true,
  "HasCredential": true,
  "Platform": "string",
  "HasTokenKey": true,
  "DefaultAuthenticationMethod": "string"
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

APNSSandboxChannelRequest

Attribute	Type	Description
BundleId	string	The bundle id used for APNs Tokens.
Certificate	string	The distribution certificate from Apple.
DefaultAuthenticationMethod	string	The default authentication method used for APNs.
Enabled	boolean	If the channel is enabled for sending messages.
PrivateKey	string	The certificate private key.
TeamId	string	The team id used for APNs Tokens.
TokenKey	string	The token key used for APNs Tokens.

Attribute	Type	Description
TokenKeyId	string	The token key used for APNs Tokens.

APNSSandboxChannelResponse

Attribute	Type	Description
ApplicationId	string	The ID of the application to which the channel applies.
CreationDate	string	When was this segment created
DefaultAuthenticationMethod	string	The default authentication method used for APNs.
Enabled	boolean	If the channel is enabled for sending messages.
HasCredential	boolean	Not used. Retained for backwards compatibility.
HasTokenKey	boolean	Indicates whether the channel is configured with a key for APNs token authentication. Provide a token key by setting the TokenKey attribute.
Id	string	Channel ID. Not used, only for backwards compatibility.
IsArchived	boolean	Is this channel archived
LastModifiedBy	string	Who last updated this entry
LastModifiedDate	string	Last date this was updated
Platform	string	The platform type. Will be APNS_SANDBOX.
Version	integer	Version of channel

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

APNs VoIP Channel

A channel defines the types of platforms to which you can deliver messages. Before you can use Amazon Pinpoint to send VoIP push notifications using Apple Push Notification service (APNs), you must create an APNs VoIP channel. You can use this resource to create, update, look up, or delete an APNs VoIP channel.

URI

/v1/apps/*application-id*/channels/apns_voip

HTTP Methods

DELETE

Delete an APNS VoIP channel

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	APNSVoipChannelResponse (p. 88)

GET

Get an APNS VoIP channel

Header

Name	Required	Type
accept	false	string
x-amz-user-agent	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	APNSVoipChannelResponse (p. 88)

PUT

Update an APNS VoIP channel

Body

Name	Required	Type
APNSVoipChannelRequest	true	APNSVoipChannelRequest (p. 87)

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	APNSVoipChannelResponse (p. 88)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 88)	BadRequestException
403	MessageBody (p. 88)	ForbiddenException
404	MessageBody (p. 88)	NotFoundException
405	MessageBody (p. 88)	MethodNotAllowedException
429	MessageBody (p. 88)	TooManyRequestsException
500	MessageBody (p. 88)	InternalServerErrorException

Schemas

Request Schemas

Example APNSVoipChannelRequest

```
{
```

```
"Certificate": "string",
"PrivateKey": "string",
"Enabled": true,
"TokenKeyId": "string",
"TeamId": "string",
"TokenKey": "string",
"BundleId": "string",
"DefaultAuthenticationMethod": "string"
}
```

Response Schemas

Example APNSVoipChannelResponse

```
{
  "ApplicationId": "string",
  "IsArchived": true,
  "Version": 0,
  "CreationDate": "string",
  "LastModifiedDate": "string",
  "LastModifiedBy": "string",
  "Id": "string",
  "Enabled": true,
  "HasCredential": true,
  "Platform": "string",
  "HasTokenKey": true,
  "DefaultAuthenticationMethod": "string"
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

APNSVoipChannelRequest

Attribute	Type	Description
BundleId	string	The bundle id used for APNs Tokens.
Certificate	string	The distribution certificate from Apple.
DefaultAuthenticationMethod	string	The default authentication method used for APNs.
Enabled	boolean	If the channel is enabled for sending messages.
PrivateKey	string	The certificate private key.
TeamId	string	The team id used for APNs Tokens.
TokenKey	string	The token key used for APNs Tokens.

Attribute	Type	Description
TokenKeyId	string	The token key used for APNs Tokens.

APNSVoipChannelResponse

Attribute	Type	Description
ApplicationId	string	Application id
CreationDate	string	When was this segment created
DefaultAuthenticationMethod	string	The default authentication method used for APNs.
Enabled	boolean	If the channel is enabled for sending messages.
HasCredential	boolean	Not used. Retained for backwards compatibility.
HasTokenKey	boolean	If the channel is registered with a token key for authentication.
Id	string	Channel ID. Not used, only for backwards compatibility.
IsArchived	boolean	Is this channel archived
LastModifiedBy	string	Who made the last change
LastModifiedDate	string	Last date this was updated
Platform	string	The platform type. Will be APNS.
Version	integer	Version of channel

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

APNs VoIP Sandbox Channel

A channel defines the types of platforms to which you can deliver messages. Before you can use Amazon Pinpoint to send VoIP push notifications to the Apple Push Notification service (APNs) sandbox environment, you must create an APNs VoIP sandbox channel. You can use this resource to create, update, look up, or delete an APNs VoIP sandbox channel.

URI

/v1/apps/*application-id*/channels/apns_voip_sandbox

HTTP Methods

DELETE

Delete an APNS VoIP sandbox channel

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	APNSVoipSandboxChannelResponse (p. 92)

GET

Get an APNS VoIPSandbox channel

Header

Name	Required	Type
accept	false	string
x-amz-user-agent	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	APNSVoipSandboxChannelResponse (p. 92)

PUT

Update an APNS VoIP sandbox channel

Body

Name	Required	Type
APNSVoipSandboxChannelRequest	true	APNSVoipSandboxChannelRequest (p. 91)

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	APNSVoipSandboxChannelResponse (p. 92)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 92)	BadRequestException
403	MessageBody (p. 92)	ForbiddenException
404	MessageBody (p. 92)	NotFoundException
405	MessageBody (p. 92)	MethodNotAllowedException
429	MessageBody (p. 92)	TooManyRequestsException
500	MessageBody (p. 92)	InternalServerErrorException

Schemas

Request Schemas

Example APNSVoipSandboxChannelRequest

```
{
  "Certificate": "string",
  "PrivateKey": "string",
```



```
"Enabled": true,
"TokenKeyId": "string",
"TeamId": "string",
"TokenKey": "string",
"BundleId": "string",
"DefaultAuthenticationMethod": "string"
}
```

Response Schemas

Example APNSVoipSandboxChannelResponse

```
{
  "ApplicationId": "string",
  "IsArchived": true,
  "Version": 0,
  "CreationDate": "string",
  "LastModifiedDate": "string",
  "LastModifiedBy": "string",
  "Id": "string",
  "Enabled": true,
  "HasCredential": true,
  "Platform": "string",
  "HasTokenKey": true,
  "DefaultAuthenticationMethod": "string"
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

APNSVoipSandboxChannelRequest

Attribute	Type	Description
BundleId	string	The bundle id used for APNs Tokens.
Certificate	string	The distribution certificate from Apple.
DefaultAuthenticationMethod	string	The default authentication method used for APNs.
Enabled	boolean	If the channel is enabled for sending messages.
PrivateKey	string	The certificate private key.
TeamId	string	The team id used for APNs Tokens.
TokenKey	string	The token key used for APNs Tokens.
TokenKeyId	string	The token key used for APNs Tokens.

APNSVoipSandboxChannelResponse

Attribute	Type	Description
ApplicationId	string	Application id
CreationDate	string	When was this segment created
DefaultAuthenticationMethod	string	The default authentication method used for APNs.
Enabled	boolean	If the channel is enabled for sending messages.
HasCredential	boolean	Not used. Retained for backwards compatibility.
HasTokenKey	boolean	If the channel is registered with a token key for authentication.
Id	string	Channel ID. Not used, only for backwards compatibility.
IsArchived	boolean	Is this channel archived
LastModifiedBy	string	Who made the last change
LastModifiedDate	string	Last date this was updated
Platform	string	The platform type. Will be APNS.
Version	integer	Version of channel

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

Baidu Channel

Use the Baidu channel to send notifications through the Baidu Cloud Push service. Baidu is a Chinese cloud service.

URI

/v1/apps/*application-id*/channels/baidu

HTTP Methods

DELETE

Delete a BAIDU GCM channel

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	BaiduChannelResponse (p. 95)

GET

Get a BAIDU GCM channel

Header

Name	Required	Type
accept	false	string
x-amz-user-agent	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	BaiduChannelResponse (p. 95)

PUT

Update a BAIDU GCM channel

Body

Name	Required	Type
BaiduChannelRequest	true	BaiduChannelRequest (p. 95)

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	BaiduChannelResponse (p. 95)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 96)	BadRequestException
403	MessageBody (p. 96)	ForbiddenException
404	MessageBody (p. 96)	NotFoundException
405	MessageBody (p. 96)	MethodNotAllowedException
429	MessageBody (p. 96)	TooManyRequestsException
500	MessageBody (p. 96)	InternalServerErrorException

Schemas

Request Schemas

Example BaiduChannelRequest

```
{
  "ApiKey": "string",
  "SecretKey": "string",
  "Enabled": true
}
```

Response Schemas

Example BaiduChannelResponse

```
{
```

```
"ApplicationId": "string",
"IsArchived": true,
"Version": 0,
"CreationDate": "string",
"LastModifiedDate": "string",
"LastModifiedBy": "string",
"Id": "string",
"Enabled": true,
"HasCredential": true,
"Platform": "string",
"Credential": "string"
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

BaiduChannelRequest

Attribute	Type	Description
ApiKey	string	Platform credential API key from Baidu.
Enabled	boolean	If the channel is enabled for sending messages.
SecretKey	string	Platform credential Secret key from Baidu.

BaiduChannelResponse

Attribute	Type	Description
ApplicationId	string	Application id
CreationDate	string	When was this segment created
Credential	string	The Baidu API key from Baidu.
Enabled	boolean	If the channel is enabled for sending messages.
HasCredential	boolean	Not used. Retained for backwards compatibility.
Id	string	Channel ID. Not used, only for backwards compatibility.
IsArchived	boolean	Is this channel archived
LastModifiedBy	string	Who made the last change
LastModifiedDate	string	Last date this was updated

Attribute	Type	Description
Platform	string	The platform type. Will be BAIDU
Version	integer	Version of channel

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestID	string	The unique message body ID.

Email Channel

A channel defines the types of platforms to which you can deliver messages. To send an email, you send the message through the email channel type. You can use this resource to create or update an email channel.

URI

/v1/apps/*application-id*/channels/email

HTTP Methods

DELETE

Delete an email channel.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	EmailChannelResponse (p. 99)

GET

Get an email channel.

Header

Name	Required	Type
accept	false	string
x-amz-user-agent	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	EmailChannelResponse (p. 99)

PUT

Update an email channel.

Body

Name	Required	Type
EmailChannelRequest	true	EmailChannelRequest (p. 99)

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	EmailChannelResponse (p. 99)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 100)	BadRequestException
403	MessageBody (p. 100)	ForbiddenException
404	MessageBody (p. 100)	NotFoundException
405	MessageBody (p. 100)	MethodNotAllowedException
429	MessageBody (p. 100)	TooManyRequestsException
500	MessageBody (p. 100)	InternalServerErrorException

Schemas

Request Schemas

Example EmailChannelRequest

```
{
  "Enabled": true,
  "Identity": "string",
  "FromAddress": "string",
  "RoleArn": "string"
}
```

Response Schemas

Example EmailChannelResponse

```
{
  "ApplicationId": "string",
  "IsArchived": true,
  "Version": 0,
  "CreationDate": "string",
  "LastModifiedDate": "string",
  "LastModifiedBy": "string",
  "Id": "string",
  "Enabled": true,
  "Identity": "string",
  "FromAddress": "string",
  "RoleArn": "string",
  "Platform": "string",
  "MessagesPerSecond": 0
}
```

Example MessageBody

```
{
  "RequestID": "string",
}
```



```
"Message": "string"
}
```

Attributes

EmailChannelRequest

Attribute	Type	Description
ConfigurationSet	string	The configurationSet with PES
Enabled	boolean	If the channel is enabled for sending messages.
FromAddress	string	The email address used to send emails from.
Identity	string	The ARN of an identity verified with SES.
RoleArn	string	The ARN of an IAM Role used to submit events to Mobile Analytics' event ingestion service

EmailChannelResponse

Attribute	Type	Description
ApplicationId	string	The unique ID of the application to which the email channel belongs.
ConfigurationSet	string	The configurationSet with PES
CreationDate	string	The date that the settings were last updated in ISO 8601 format.
Enabled	boolean	If the channel is enabled for sending messages.
FromAddress	string	The email address used to send emails from.
HasCredential	boolean	Not used. Retained for backwards compatibility.
Id	string	Channel ID. Not used, only for backwards compatibility.
Identity	string	The ARN of an identity verified with SES.
IsArchived	boolean	Is this channel archived
LastModifiedBy	string	Who last updated this entry
LastModifiedDate	string	Last date this was updated
MessagesPerSecond	integer	Messages per second that can be sent

Attribute	Type	Description
Platform	string	Platform type. Will be "EMAIL"
RoleArn	string	The ARN of an IAM Role used to submit events to Mobile Analytics' event ingestion service
Version	integer	Version of channel

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestID	string	The unique message body ID.

GCM Channel

A channel defines the types of platforms to which you can deliver messages. To deliver a push notification to an Android device, you send the message through the Google Cloud Messaging (GCM) channel type. You can use this resource to create or update a GCM channel.

URI

/v1/apps/*application-id*/channels/gcm

HTTP Methods

DELETE

Deletes the GCM channel for an app.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	GCMChannelResponse (p. 103)

GET

Returns information about the GCM channel for an app.

Header

Name	Required	Type
accept	false	string
x-amz-user-agent	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	GCMChannelResponse (p. 103)

PUT

Use to update the GCM channel for an app.

Body

Name	Required	Type
GCMChannelRequest	true	GCMChannelRequest (p. 103)

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	GCMChannelResponse (p. 103)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 103)	BadRequestException
403	MessageBody (p. 103)	ForbiddenException
404	MessageBody (p. 103)	NotFoundException
405	MessageBody (p. 103)	MethodNotAllowedException
429	MessageBody (p. 103)	TooManyRequestsException
500	MessageBody (p. 103)	InternalServerErrorException

Schemas

Request Schemas

Example GCMChannelRequest

```
{
  "ApiKey": "string",
  "Enabled": true
}
```

Response Schemas

Example GCMChannelResponse

```
{
  "ApplicationId": "string",
  "IsArchived": true,
  "Version": 0,
  "CreationDate": "string",
  "LastModifiedDate": "string",
  "LastModifiedBy": "string",
  "Id": "string",
  "Enabled": true,
  "HasCredential": true,
  "Platform": "string",
  "Credential": "string"
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

GCMChannelRequest

Attribute	Type	Description
ApiKey	string	Platform credential API key from Google.
Enabled	boolean	If the channel is enabled for sending messages.

GCMChannelResponse

Attribute	Type	Description
ApplicationId	string	The ID of the application to which the channel applies.
CreationDate	string	When was this segment created
Credential	string	The GCM API key from Google.
Enabled	boolean	If the channel is enabled for sending messages.
HasCredential	boolean	Not used. Retained for backwards compatibility.
Id	string	Channel ID. Not used. Present only for backwards compatibility.
IsArchived	boolean	Is this channel archived
LastModifiedBy	string	Who last updated this entry
LastModifiedDate	string	Last date this was updated
Platform	string	The platform type. Will be GCM
Version	integer	Version of channel

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

SMS Channel

A channel defines the types of platforms to which you can deliver messages. To send a text message, you send the message through the SMS channel type. You can use this resource to create or update an SMS channel.

URI

/v1/apps/*application-id*/channels/sms

HTTP Methods

DELETE

Delete an SMS channel.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	SMSChannelResponse (p. 106)

GET

Get an SMS channel.

Header

Name	Required	Type
accept	false	string
x-amz-user-agent	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	SMSChannelResponse (p. 106)

PUT

Update an SMS channel.

Body

Name	Required	Type
SMSChannelRequest	true	SMSChannelRequest (p. 106)

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	SMSChannelResponse (p. 106)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 107)	BadRequestException
403	MessageBody (p. 107)	ForbiddenException
404	MessageBody (p. 107)	NotFoundException
405	MessageBody (p. 107)	MethodNotAllowedException
429	MessageBody (p. 107)	TooManyRequestsException
500	MessageBody (p. 107)	InternalServerErrorException

Schemas

Request Schemas

Example SMSChannelRequest

```
{
```

```
{
  "Enabled": true,
  "ShortCode": "string",
  "SenderId": "string"
}
```

Response Schemas

Example SMSChannelResponse

```
{
  "ApplicationId": "string",
  "IsArchived": true,
  "Version": 0,
  "CreationDate": "string",
  "LastModifiedDate": "string",
  "LastModifiedBy": "string",
  "Id": "string",
  "Enabled": true,
  "ShortCode": "string",
  "SenderId": "string",
  "Platform": "string",
  "PromotionalMessagesPerSecond": 0,
  "TransactionalMessagesPerSecond": 0
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

SMSChannelRequest

Attribute	Type	Description
Enabled	boolean	If the channel is enabled for sending messages.
SenderId	string	Sender identifier of your messages.
ShortCode	string	ShortCode registered with phone provider.

SMSChannelResponse

Attribute	Type	Description
ApplicationId	string	The unique ID of the application to which the SMS channel belongs.
CreationDate	string	The date that the settings were last updated in ISO 8601 format.
Enabled	boolean	If the channel is enabled for sending messages.

Attribute	Type	Description
HasCredential	boolean	Not used. Retained for backwards compatibility.
Id	string	Channel ID. Not used, only for backwards compatibility.
IsArchived	boolean	Is this channel archived
LastModifiedBy	string	Who last updated this entry
LastModifiedDate	string	Last date this was updated
Platform	string	Platform type. Will be "SMS"
PromotionalMessagesPerSecond	integer	Promotional messages per second that can be sent
SenderId	string	Sender identifier of your messages.
ShortCode	string	The short code registered with the phone provider.
TransactionalMessagesPerSecond	integer	Transactional messages per second that can be sent
Version	integer	Version of channel

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

Endpoints

An endpoint uniquely identifies a mobile device, email address, or phone number that can receive a message. You can use this resource to create or update endpoints.

You can use the `/endpoints` URI to create or edit up to 100 endpoints at once. Use the `/endpoints/{endpoint-id}` URI to create or edit a single endpoint.

URI

`/v1/apps/application-id/endpoints`

HTTP Methods

PUT

Use to update a batch of endpoints.

Body

Name	Required	Type
EndpointBatchRequest	true	EndpointBatchRequest (p. 110)

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
202	MessageBody (p. 113)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 113)	BadRequestException
403	MessageBody (p. 113)	ForbiddenException
404	MessageBody (p. 113)	NotFoundException
405	MessageBody (p. 113)	MethodNotAllowedException
429	MessageBody (p. 113)	TooManyRequestsException
500	MessageBody (p. 113)	InternalServerErrorException

Schemas

Request Schemas

Example EndpointBatchRequest

```
{
  "Item": [
    {
```

```
"ChannelType": "GCM",
"Address": "string",
"EndpointStatus": "string",
"OptOut": "string",
"RequestId": "string",
"Location": {
  "Latitude": 0,
  "Longitude": 0,
  "PostalCode": "string",
  "City": "string",
  "Region": "string",
  "Country": "string"
},
"Demographic": {
  "Make": "string",
  "Model": "string",
  "ModelVersion": "string",
  "Timezone": "string",
  "Locale": "string",
  "AppVersion": "string",
  "Platform": "string",
  "PlatformVersion": "string"
},
"EffectiveDate": "string",
"Attributes": {
  "additionalProp1": [
    "string"
  ],
  "additionalProp2": [
    "string"
  ],
  "additionalProp3": [
    "string"
  ]
},
"Metrics": {
  "additionalProp1": 0,
  "additionalProp2": 0,
  "additionalProp3": 0
},
"User": {
  "UserId": "string",
  "UserAttributes": {
    "additionalProp1": [
      "string"
    ],
    "additionalProp2": [
      "string"
    ],
    "additionalProp3": [
      "string"
    ]
  }
},
"Id": "string"
}
]
```

Response Schemas

Example MessageBody

```
{
```

```
"RequestID": "string",
"Message": "string"
}
```

Attributes

EndpointBatchRequest

Attribute	Type	Description
Item	array	List of items to update. Maximum 100 items

EndpointBatchItem

Attribute	Type	Description
Address	string	The destination for messages that you send to this endpoint. The address varies by channel. For mobile push channels, use the token provided by the push notification service, such as the APNs device token or the FCM registration token. For the SMS channel, use a phone number in E.164 format, such as +12065550100. For the email channel, use an email address.
Attributes	object	<p>Custom attributes that describe the endpoint by associating a name with an array of values. For example, an attribute named "interests" might have the values ["science", "politics", "travel"]. You can use these attributes as selection criteria when you create a segment of users to engage with a messaging campaign.</p> <p>The following characters are not recommended in attribute names: # : ? \ / . The Amazon Pinpoint console does not display attributes that include these characters in the name. This limitation does not apply to attribute values.</p>
ChannelType	string	<p>The channel type.</p> <p>Valid values: GCM APNS APNS_SANDBOX APNS_VOIP APNS_VOIP_SANDBOX ADM SMS EMAIL BAIDU</p>
Demographic	EndpointDemographic (p. 111)	The endpoint demographic attributes.

Attribute	Type	Description
EffectiveDate	string	The last time the endpoint was updated. Provided in ISO 8601 format.
EndpointStatus	string	Unused.
Id	string	The unique Id for the Endpoint in the batch.
Location	EndpointLocation (p. 112)	The endpoint location attributes.
Metrics	object	Custom metrics that your app reports to Amazon Pinpoint.
OptOut	string	Indicates whether a user has opted out of receiving messages with one of the following values: ALL - User has opted out of all messages. NONE - Users has not opted out and receives all messages.
RequestId	string	The unique ID for the most recent request to update the endpoint.
User	EndpointUser (p. 112)	Custom user-specific attributes that your app reports to Amazon Pinpoint.

EndpointDemographic

Attribute	Type	Description
AppVersion	string	The version of the application associated with the endpoint.
Locale	string	The endpoint locale in the following format: The ISO 639-1 alpha-2 code, followed by an underscore, followed by an ISO 3166-1 alpha-2 value.
Make	string	The manufacturer of the endpoint device, such as Apple or Samsung.
Model	string	The model name or number of the endpoint device, such as iPhone.
ModelVersion	string	The model version of the endpoint device.
Platform	string	The platform of the endpoint device, such as iOS or Android.
PlatformVersion	string	The platform version of the endpoint device.

Attribute	Type	Description
Timezone	string	The timezone of the endpoint. Specified as a tz database value, such as Americas/Los_Angeles.

EndpointLocation

Attribute	Type	Description
City	string	The city where the endpoint is located.
Country	string	The two-letter code for the country or region of the endpoint. Specified as an ISO 3166-1 alpha-2 code, such as "US" for the United States.
Latitude	number	The latitude of the endpoint location, rounded to one decimal place.
Longitude	number	The longitude of the endpoint location, rounded to one decimal place.
PostalCode	string	The postal code or zip code of the endpoint.
Region	string	The region of the endpoint location. For example, in the United States, this corresponds to a state.

EndpointUser

Attribute	Type	Description
UserAttributes	object	<p>Custom attributes that describe the user by associating a name with an array of values. For example, an attribute named "interests" might have the following values: ["science", "politics", "travel"]. You can use these attributes as selection criteria when you create segments.</p> <p>The Amazon Pinpoint console can't display attribute names that include the following characters: hash/pound sign (#), colon (:), question mark (?), backslash (\), and forward slash (/). For this reason, you should avoid using these characters in the names of custom attributes.</p>
UserId	string	The unique ID of the user.

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestID	string	The unique message body ID.

Endpoint

An endpoint uniquely identifies a mobile device, email address, or phone number that can receive a message. You can use this resource to look up, create, update, or delete an endpoint.

URI

/v1/apps/*application-id*/endpoints/*endpoint-id*

HTTP Methods

DELETE

Deletes an endpoint.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string
endpoint-id	true	string

Response

Status Code	Schema
202	EndpointResponse (p. 120)

GET

Returns information about an endpoint.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string
endpoint-id	true	string

Response

Status Code	Schema
200	EndpointResponse (p. 120)

PUT

Creates or updates an endpoint.

Body

Name	Required	Type
EndpointRequest	true	EndpointRequest (p. 117)

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string
endpoint-id	true	string

Response

Status Code	Schema
202	MessageBody (p. 121)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 121)	BadRequestException
403	MessageBody (p. 121)	ForbiddenException

Status Code	Schema	Error Type
404	MessageBody (p. 121)	NotFoundException
405	MessageBody (p. 121)	MethodNotAllowedException
429	MessageBody (p. 121)	TooManyRequestsException
500	MessageBody (p. 121)	InternalServerErrorException

Schemas

Request Schemas

Example EndpointRequest

```
{
  "ChannelType": "GCM",
  "Address": "string",
  "EndpointStatus": "string",
  "OptOut": "string",
  "RequestId": "string",
  "Location": {
    "Latitude": 0,
    "Longitude": 0,
    "PostalCode": "string",
    "City": "string",
    "Region": "string",
    "Country": "string"
  },
  "Demographic": {
    "Make": "string",
    "Model": "string",
    "ModelVersion": "string",
    "Timezone": "string",
    "Locale": "string",
    "AppVersion": "string",
    "Platform": "string",
    "PlatformVersion": "string"
  },
  "EffectiveDate": "string",
  "Attributes": {
    "additionalProp1": [
      "string"
    ],
    "additionalProp2": [
      "string"
    ],
    "additionalProp3": [
      "string"
    ]
  },
  "Metrics": {
    "additionalProp1": 0,
    "additionalProp2": 0,
    "additionalProp3": 0
  },
  "User": {
    "UserId": "string",
    "UserAttributes": {
      "additionalProp1": [

```

```
        "string"
      ],
      "additionalProp2": [
        "string"
      ],
      "additionalProp3": [
        "string"
      ]
    }
  }
}
```

Response Schemas

Example EndpointResponse

```
{
  "ChannelType": "GCM",
  "Address": "string",
  "EndpointStatus": "string",
  "OptOut": "string",
  "RequestId": "string",
  "Location": {
    "Latitude": 0,
    "Longitude": 0,
    "PostalCode": "string",
    "City": "string",
    "Region": "string",
    "Country": "string"
  },
  "Demographic": {
    "Make": "string",
    "Model": "string",
    "ModelVersion": "string",
    "Timezone": "string",
    "Locale": "string",
    "AppVersion": "string",
    "Platform": "string",
    "PlatformVersion": "string"
  },
  "EffectiveDate": "string",
  "Attributes": {
    "additionalProp1": [
      "string"
    ],
    "additionalProp2": [
      "string"
    ],
    "additionalProp3": [
      "string"
    ]
  },
  "Metrics": {
    "additionalProp1": 0,
    "additionalProp2": 0,
    "additionalProp3": 0
  },
  "User": {
    "UserId": "string",
    "UserAttributes": {
      "additionalProp1": [
        "string"
      ],
      "additionalProp2": [
```

```
        "string"
      ],
      "additionalProp3": [
        "string"
      ]
    },
    "ApplicationId": "string",
    "Id": "string",
    "CohortId": "string",
    "CreationDate": "string"
  }
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

EndpointRequest

Attribute	Type	Description
Address	string	The destination for messages that you send to this endpoint. The address varies by channel. For mobile push channels, use the token provided by the push notification service, such as the APNs device token or the FCM registration token. For the SMS channel, use a phone number in E.164 format, such as +12065550100. For the email channel, use an email address.
Attributes	object	<p>Custom attributes that describe the endpoint by associating a name with an array of values. For example, an attribute named "interests" might have the values ["science", "politics", "travel"]. You can use these attributes as selection criteria when you create a segment of users to engage with a messaging campaign.</p> <p>The following characters are not recommended in attribute names: # : ? \ / . The Amazon Pinpoint console does not display attributes that include these characters in the name. This limitation does not apply to attribute values.</p>
ChannelType	string	The channel type.

Attribute	Type	Description
		Valid values: GCM APNS APNS_SANDBOX APNS_VOIP APNS_VOIP_SANDBOX ADM SMS EMAIL BAIDU
Demographic	EndpointDemographic (p. 118)	Demographic attributes for the endpoint.
EffectiveDate	string	The date and time when the endpoint was updated, shown in ISO 8601 format.
EndpointStatus	string	Unused.
Location	EndpointLocation (p. 119)	The endpoint location attributes.
Metrics	object	Custom metrics that your app reports to Amazon Pinpoint.
OptOut	string	Indicates whether a user has opted out of receiving messages with one of the following values: ALL - User has opted out of all messages. NONE - Users has not opted out and receives all messages.
RequestId	string	The unique ID for the most recent request to update the endpoint.
User	EndpointUser (p. 119)	Custom user-specific attributes that your app reports to Amazon Pinpoint.

EndpointDemographic

Attribute	Type	Description
AppVersion	string	The version of the application associated with the endpoint.
Locale	string	The endpoint locale in the following format: The ISO 639-1 alpha-2 code, followed by an underscore, followed by an ISO 3166-1 alpha-2 value.
Make	string	The manufacturer of the endpoint device, such as Apple or Samsung.
Model	string	The model name or number of the endpoint device, such as iPhone.
ModelVersion	string	The model version of the endpoint device.

Attribute	Type	Description
Platform	string	The platform of the endpoint device, such as iOS or Android.
PlatformVersion	string	The platform version of the endpoint device.
Timezone	string	The timezone of the endpoint. Specified as a tz database value, such as Americas/Los_Angeles.

EndpointLocation

Attribute	Type	Description
City	string	The city where the endpoint is located.
Country	string	The two-letter code for the country or region of the endpoint. Specified as an ISO 3166-1 alpha-2 code, such as "US" for the United States.
Latitude	number	The latitude of the endpoint location, rounded to one decimal place.
Longitude	number	The longitude of the endpoint location, rounded to one decimal place.
PostalCode	string	The postal code or zip code of the endpoint.
Region	string	The region of the endpoint location. For example, in the United States, this corresponds to a state.

EndpointUser

Attribute	Type	Description
UserAttributes	object	<p>Custom attributes that describe the user by associating a name with an array of values. For example, an attribute named "interests" might have the following values: ["science", "politics", "travel"]. You can use these attributes as selection criteria when you create segments.</p> <p>The Amazon Pinpoint console can't display attribute names that include the following characters: hash/ pound sign (#), colon (:), question mark (?), backslash (\), and forward</p>

Attribute	Type	Description
		slash (/). For this reason, you should avoid using these characters in the names of custom attributes.
UserId	string	The unique ID of the user.

EndpointResponse

Attribute	Type	Description
Address	string	The address of the endpoint as provided by your push provider. For example, the DeviceToken or RegistrationId.
ApplicationId	string	The ID of the application that is associated with the endpoint.
Attributes	object	<p>Custom attributes that describe the endpoint by associating a name with an array of values. For example, an attribute named "interests" might have the following values: ["science", "politics", "travel"]. You can use these attributes as selection criteria when you create segments.</p> <p>The Amazon Pinpoint console can't display attribute names that include the following characters: hash/ pound sign (#), colon (:), question mark (?), backslash (\), and forward slash (/). For this reason, you should avoid using these characters in the names of custom attributes.</p>
ChannelType	string	<p>The channel type.</p> <p>Valid values: GCM APNS APNS_SANDBOX APNS_VOIP APNS_VOIP_SANDBOX ADM SMS EMAIL BAIDU</p>
CohortId	string	A number from 0-99 that represents the cohort the endpoint is assigned to. Endpoints are grouped into cohorts randomly, and each cohort contains approximately 1 percent of the endpoints for an app. Amazon Pinpoint assigns cohorts to the holdout or treatment allocations for a campaign.
CreationDate	string	The date and time when the endpoint was created, shown in ISO 8601 format.

Attribute	Type	Description
Demographic	EndpointDemographic (p. 118)	The endpoint demographic attributes.
EffectiveDate	string	The date and time when the endpoint was last updated, shown in ISO 8601 format.
EndpointStatus	string	Unused.
Id	string	The unique ID that you assigned to the endpoint. The ID should be a globally unique identifier (GUID) to ensure that it doesn't conflict with other endpoint IDs associated with the application.
Location	EndpointLocation (p. 119)	The endpoint location attributes.
Metrics	object	Custom metrics that your app reports to Amazon Pinpoint.
OptOut	string	Indicates whether a user has opted out of receiving messages with one of the following values: ALL - User has opted out of all messages. NONE - Users has not opted out and receives all messages.
RequestId	string	The unique ID for the most recent request to update the endpoint.
User	EndpointUser (p. 119)	Custom user-specific attributes that your app reports to Amazon Pinpoint.

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

Events

In Amazon Pinpoint, you can create events to keep track of how users interact with your app. For example, you can log interactions such as logins, account creations, and purchase attempts as events.

Use to this resource to record events for endpoints. This method creates events and creates or updates the endpoints that those events are associated with.

URI

/v1/apps/*application-id*/events

HTTP Methods

POST

Use to record events for endpoints. This method creates events and creates or updates the endpoints that those events are associated with.

Body

Name	Required	Type
EventsRequest	true	EventsRequest (p. 125)

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
202	EventsResponse (p. 128)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 129)	BadRequestException
403	MessageBody (p. 129)	ForbiddenException
404	MessageBody (p. 129)	NotFoundException
405	MessageBody (p. 129)	MethodNotAllowedException
429	MessageBody (p. 129)	TooManyRequestsException
500	MessageBody (p. 129)	InternalServerErrorException

Schemas

Request Schemas

Example EventsRequest

```
{
  "EventsRequest": {
    "EventsBatch": {
      "BatchItem": {
        "EndpointId": {
          "Endpoint": {
            "ChannelType": "string",
            "Address": "string",
            "EndpointStatus": "string",
            "OptOut": "string",
            "RequestId": "string",
            "Location": {
              "Latitude": 0,
              "Longitude": 0,
              "PostalCode": "string",
              "City": "string",
              "Region": "string",
              "Country": "string"
            },
            "Demographic": {
              "Make": "string",
              "Model": "string",
              "ModelVersion": "string",
              "Timezone": "string",
              "Locale": "string",
              "AppVersion": "string",
              "Platform": "string",
              "PlatformVersion": "string"
            },
            "EffectiveDate": "string",
            "Attributes": {
              "attributeKey1": [
                "string"
              ],
              "attributeKey2": [
                "string"
              ]
            },
            "User": {
              "UserId": "string",
              "Attributes": {
                "userAttributeKey1": [
                  "string"
                ],
                "userAttributeKey2": [
                  "string"
                ]
              }
            }
          },
          "Events": {
            "EventId": {
              "EventType": "string",
              "ClientSdkVersion": "string",
              "Timestamp": "string",
              "Version": "string",
              "Attributes": {
```

```
        "eventAttributeKey1": "string",
        "eventAttributeKey2": "string"
    },
    "Metrics": {
        "metricName": 0
    },
    "Session": {
        "Id": "string",
        "Duration": 0,
        "StartTimestamp": "string",
        "EndTimestamp": "string"
    }
}
}
```

Response Schemas

Example EventsResponse

```
{
  "EventsResponse": {
    "Results": {
      "EndpointId1": {
        "EndpointItemResponse": {
          "Message": "string",
          "StatusCode": 202
        },
        "EventsItemResponse": {
          "EventId1": {
            "Message": "string",
            "StatusCode": 202
          }
        }
      },
      "EndpointId2": {
        "EndpointItemResponse": {
          "Message": "string",
          "StatusCode": 202
        },
        "EventsItemResponse": {
          "EventId1": {
            "Message": "string",
            "StatusCode": 202
          },
          "EventId2": {
            "Message": "string",
            "StatusCode": 400
          }
        }
      }
    }
  }
}
```

Example MessageBody

```
{
```

```
"RequestID": "string",  
"Message": "string"  
}
```

Attributes

EventsRequest

Attribute	Type	Description
BatchItem	object	A batch of events to process. Each BatchItem consists of an endpoint ID as the key, and an EventsBatch object as the value.

EventsBatch

Attribute	Type	Description
Endpoint	PublicEndpoint (p. 125)	The PublicEndpoint attached to the EndpointId from the request.
Events	object	An object that contains a set of events associated with the endpoint.

PublicEndpoint

Attribute	Type	Description
Address	string	The unique identifier for the recipient. For example, an address could be a device token, email address, or mobile phone number.
Attributes	object	Custom attributes that your app reports to Amazon Pinpoint. You can use these attributes as selection criteria when you create a segment.
ChannelType	string	The channel type. Valid values: APNS, GCM
Demographic	EndpointDemographic (p. 126)	The endpoint demographic attributes.
EffectiveDate	string	The date and time when the endpoint was last updated, in ISO 8601 format.
EndpointStatus	string	The status of the endpoint. If the update fails, the value is INACTIVE. If the endpoint is updated successfully, the value is ACTIVE.
Location	EndpointLocation (p. 127)	The endpoint location attributes.

Attribute	Type	Description
Metrics	object	Custom metrics that your app reports to Amazon Pinpoint.
OptOut	string	Indicates whether a user has opted out of receiving messages with one of the following values: ALL - User has opted out of all messages. NONE - Users has not opted out and receives all messages.
RequestId	string	A unique identifier that is generated each time the endpoint is updated.
User	EndpointUser (p. 127)	Custom user-specific attributes that your app reports to Amazon Pinpoint.

EndpointDemographic

Attribute	Type	Description
AppVersion	string	The version of the application associated with the endpoint.
Locale	string	The endpoint locale in the following format: The ISO 639-1 alpha-2 code, followed by an underscore, followed by an ISO 3166-1 alpha-2 value.
Make	string	The manufacturer of the endpoint device, such as Apple or Samsung.
Model	string	The model name or number of the endpoint device, such as iPhone.
ModelVersion	string	The model version of the endpoint device.
Platform	string	The platform of the endpoint device, such as iOS or Android.
PlatformVersion	string	The platform version of the endpoint device.
Timezone	string	The timezone of the endpoint. Specified as a tz database value, such as Americas/Los_Angeles.

EndpointLocation

Attribute	Type	Description
City	string	The city where the endpoint is located.
Country	string	The two-letter code for the country or region of the endpoint. Specified as an ISO 3166-1 alpha-2 code, such as "US" for the United States.
Latitude	number	The latitude of the endpoint location, rounded to one decimal place.
Longitude	number	The longitude of the endpoint location, rounded to one decimal place.
PostalCode	string	The postal code or zip code of the endpoint.
Region	string	The region of the endpoint location. For example, in the United States, this corresponds to a state.

EndpointUser

Attribute	Type	Description
UserAttributes	object	<p>Custom attributes that describe the user by associating a name with an array of values. For example, an attribute named "interests" might have the following values: ["science", "politics", "travel"]. You can use these attributes as selection criteria when you create segments.</p> <p>The Amazon Pinpoint console can't display attribute names that include the following characters: hash/pound sign (#), colon (:), question mark (?), backslash (\), and forward slash (/). For this reason, you should avoid using these characters in the names of custom attributes.</p>
UserId	string	The unique ID of the user.

Event

Attribute	Type	Description
Attributes	object	Custom attributes that are associated with the event you're adding or updating.
ClientSdkVersion	string	The version of the SDK that's running on the client device.
EventType	string	The name of the custom event that you're recording.
Metrics	object	Custom metrics related to the event.
Session	Session (p. 128)	Information about the session in which the event occurred.
Timestamp	string	The date and time when the event occurred, in ISO 8601 format.

Session

Attribute	Type	Description
Duration	integer	The duration of the session, in milliseconds.
Id	string	A unique identifier for the session.
StartTimestamp	string	The date and time when the session began.
StopTimestamp	string	The date and time when the session ended.

EventsResponse

Attribute	Type	Description
Results	object	<p>A map that contains a multipart response for each endpoint. Each item in this object uses the endpoint ID as the key, and the item response as the value.</p> <p>If no item response exists, the value can also be one of the following: 202 (if the request was processed successfully) or 400 (if the payload was invalid, or required fields were missing).</p>

ItemResponse

Attribute	Type	Description
EndpointItemResponse	EndpointItemResponse (p. 129)	The response received after the endpoint was accepted.
EventsItemResponse	object	A multipart response object that contains a key and value for each event ID in the request. In each object, the event ID is the key, and an EventItemResponse object is the value.

EndpointItemResponse

Attribute	Type	Description
Message	string	A custom message associated with the registration of an endpoint when issuing a response.
StatusCode	integer	The status code associated with the merging of an endpoint when issuing a response.

EventItemResponse

Attribute	Type	Description
Message	string	A custom message that is associated with the processing of an event.
StatusCode	integer	The status returned in the response as a result of processing the event. Possible values: 400 (for invalid events) and 202 (for events that were accepted).

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

Event Stream

Use this resource to configure Amazon Pinpoint to stream events to Amazon Kinesis. Amazon Pinpoint can send events to an Amazon Kinesis stream or an Amazon Kinesis Firehose delivery stream. By streaming your events, you enable more flexible options for analysis and storage. You can use this resource to look up, create, update, or delete an event stream.

You can configure only 1 event stream for each Amazon Pinpoint app. To combine data from multiple apps, configure each app to use the same stream.

URI

/v1/apps/*application-id*/eventstream

HTTP Methods

DELETE

Deletes the event stream for an app.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	EventStream (p. 132)

GET

Returns the event stream for an app.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	EventStream (p. 132)

POST

Use to create or update the event stream for an app.

Body

Name	Required	Type
WriteEventStream	true	WriteEventStream (p. 132)

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	EventStream (p. 132)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 133)	BadRequestException
403	MessageBody (p. 133)	ForbiddenException
404	MessageBody (p. 133)	NotFoundException
405	MessageBody (p. 133)	MethodNotAllowedException
429	MessageBody (p. 133)	TooManyRequestsException
500	MessageBody (p. 133)	InternalServerErrorException

Schemas

Request Schemas

Example WriteEventStream

```
{
```

```
{
  "DestinationStreamArn": "string",
  "RoleArn": "string"
}
```

Response Schemas

Example EventStream

```
{
  "ApplicationId": "string",
  "DestinationStreamArn": "string",
  "RoleArn": "string",
  "ExternalId": "string",
  "LastModifiedDate": "string",
  "LastUpdatedBy": "string"
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

WriteEventStream

Attribute	Type	Description
DestinationStreamArn	string	The Amazon Resource Name (ARN) of the Amazon Kinesis stream or Firehose delivery stream to which you want to publish events. Firehose ARN: arn:aws:firehose:REGION:ACCOUNT_ID:deliverystream/STREAM_NAME Kinesis ARN: arn:aws:kinesis:REGION:ACCOUNT_ID:stream/STREAM_NAME
RoleArn	string	The IAM role that authorizes Amazon Pinpoint to publish events to the stream in your account.

EventStream

Attribute	Type	Description
ApplicationId	string	The ID of the application from which events should be published.
DestinationStreamArn	string	The Amazon Resource Name (ARN) of the Amazon Kinesis stream or Firehose delivery stream to which you want to publish events. Firehose ARN:

Attribute	Type	Description
		arn:aws:firehose:REGION:ACCOUNT_ID:deliverystream/STREAM_NAME Kinesis ARN: arn:aws:kinesis:REGION:ACCOUNT_ID:stream/STREAM_NAME
ExternalId	string	(Deprecated) Your AWS account ID, which you assigned to the ExternalID key in an IAM trust policy. Used by Amazon Pinpoint to assume an IAM role. This requirement is removed, and external IDs are not recommended for IAM roles assumed by Amazon Pinpoint.
LastModifiedDate	string	The date the event stream was last updated in ISO 8601 format.
LastUpdatedBy	string	The IAM user who last modified the event stream.
RoleArn	string	The IAM role that authorizes Amazon Pinpoint to publish events to the stream in your account.

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

Export Jobs

Represents jobs that export endpoint definitions to an Amazon S3 bucket. You can use this resource to create export jobs, check the status of an in-progress export job, and access the history of your export jobs.

You can export all of the endpoints that are assigned to an application, or you can export the subset of endpoints that belong to a segment.

URI

/v1/apps/*application-id*/jobs/export

HTTP Methods

GET

Returns information about your export jobs.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Query

Name	Required	Type
page-size	false	string
token	false	string

Response

Status Code	Schema
200	ExportJobsResponse (p. 137)

POST

Creates an export job.

Body

Name	Required	Type
ExportJobRequest	true	ExportJobRequest (p. 136)

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
202	ExportJobResponse (p. 137)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 138)	BadRequestException
403	MessageBody (p. 138)	ForbiddenException
404	MessageBody (p. 138)	NotFoundException
405	MessageBody (p. 138)	MethodNotAllowedException
429	MessageBody (p. 138)	TooManyRequestsException
500	MessageBody (p. 138)	InternalServerErrorException

Schemas

Request Schemas

Example ExportJobRequest

```
{
  "SegmentId": "string",
  "S3UrlPrefix": "string",
  "RoleArn": "string"
}
```

Response Schemas

Example ExportJobsResponse

```
{
  "Item": [
    {
      "ApplicationId": "string",
      "Id": "string",
      "JobStatus": "CREATED",
      "CompletedPieces": 0,
      "FailedPieces": 0,
      "TotalPieces": 0,
      "CreationDate": "string",
      "CompletionDate": "string",
      "Type": "string",
      "TotalFailures": 0,
      "TotalProcessed": 0,
      "Failures": [
        "string"
      ],
      "Definition": {
        "SegmentId": "string",
        "S3UrlPrefix": "string",
        "RoleArn": "string"
      }
    }
  ],
  "NextToken": "string"
}
```

```
}
```

Example ExportJobResponse

```
{
  "ApplicationId": "string",
  "Id": "string",
  "JobStatus": "CREATED",
  "CompletedPieces": 0,
  "FailedPieces": 0,
  "TotalPieces": 0,
  "CreationDate": "string",
  "CompletionDate": "string",
  "Type": "string",
  "TotalFailures": 0,
  "TotalProcessed": 0,
  "Failures": [
    "string"
  ],
  "Definition": {
    "SegmentId": "string",
    "S3UrlPrefix": "string",
    "RoleArn": "string"
  }
}
```

Example MessageBody

```
{
  "RequestId": "string",
  "Message": "string"
}
```

Attributes

ExportJobRequest

Attribute	Type	Description
RoleArn	string	The Amazon Resource Name (ARN) of an IAM role that grants Amazon Pinpoint access to the Amazon S3 location that endpoints will be exported to.
S3UrlPrefix	string	<p>A URL that points to the location within an Amazon S3 bucket that will receive the export. The location is typically a folder with multiple files.</p> <p>The URL should follow this format: <code>s3://bucket-name/folder-name/</code></p> <p>Amazon Pinpoint will export endpoints to this location.</p>
SegmentId	string	The ID of the segment to export endpoints from. If not present,

Attribute	Type	Description
		Amazon Pinpoint exports all of the endpoints that belong to the application.
SegmentVersion	integer	The version of the segment to export if specified.

ExportJobsResponse

Attribute	Type	Description
Item	array	A list of export jobs for the application.
NextToken	string	The string that you use in a subsequent request to get the next page of results in a paginated response.

ExportJobResponse

Attribute	Type	Description
ApplicationId	string	The unique ID of the application associated with the export job.
CompletedPieces	integer	The number of pieces that have successfully completed as of the time of the request.
CompletionDate	string	The date the job completed in ISO 8601 format.
CreationDate	string	The date the job was created in ISO 8601 format.
Definition	ExportJobResource (p. 138)	The export job settings.
FailedPieces	integer	The number of pieces that failed to be processed as of the time of the request.
Failures	array	Provides up to 100 of the first failed entries for the job, if any exist.
Id	string	The unique ID of the job.
JobStatus	string	<p>The status of the job. Valid values: CREATED, INITIALIZING, PROCESSING, COMPLETING, COMPLETED, FAILING, FAILED</p> <p>The job status is FAILED if one or more pieces failed.</p>

Attribute	Type	Description
TotalFailures	integer	The number of endpoints that were not processed; for example, because of syntax errors.
TotalPieces	integer	The total number of pieces that must be processed to finish the job. Each piece is an approximately equal portion of the endpoints.
TotalProcessed	integer	The number of endpoints that were processed by the job.
Type	string	The job type. Will be 'EXPORT'.

ExportJobResource

Attribute	Type	Description
RoleArn	string	The Amazon Resource Name (ARN) of an IAM role that grants Amazon Pinpoint access to the Amazon S3 location that endpoints will be exported to.
S3UrlPrefix	string	<p>A URL that points to the location within an Amazon S3 bucket that will receive the export. The location is typically a folder with multiple files.</p> <p>The URL should follow this format: <code>s3://bucket-name/folder-name/</code></p> <p>Amazon Pinpoint will export endpoints to this location.</p>
SegmentId	string	The ID of the segment to export endpoints from. If not present, Amazon Pinpoint exports all of the endpoints that belong to the application.
SegmentVersion	integer	The version of the segment to export if specified.

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

Export Job

Represents a job that exports endpoint definitions to an Amazon S3 bucket. You can use this resource to look up an export job.

URI

/v1/apps/*application-id*/jobs/export/*job-id*

HTTP Methods

GET

Returns information about an export job.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string
job-id	true	string

Response

Status Code	Schema
200	ExportJobResponse (p. 140)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 142)	BadRequestException
403	MessageBody (p. 142)	ForbiddenException
404	MessageBody (p. 142)	NotFoundException
405	MessageBody (p. 142)	MethodNotAllowedException
429	MessageBody (p. 142)	TooManyRequestsException
500	MessageBody (p. 142)	InternalServerErrorException

Schemas

Response Schemas

Example ExportJobResponse

```
{
  "ApplicationId": "string",
  "Id": "string",
  "JobStatus": "CREATED",
  "CompletedPieces": 0,
  "FailedPieces": 0,
  "TotalPieces": 0,
  "CreationDate": "string",
  "CompletionDate": "string",
  "Type": "string",
  "TotalFailures": 0,
  "TotalProcessed": 0,
  "Failures": [
    "string"
  ],
  "Definition": {
    "SegmentId": "string",
    "S3UrlPrefix": "string",
    "RoleArn": "string"
  }
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

ExportJobResponse

Attribute	Type	Description
ApplicationId	string	The unique ID of the application associated with the export job.
CompletedPieces	integer	The number of pieces that have successfully completed as of the time of the request.
CompletionDate	string	The date the job completed in ISO 8601 format.
CreationDate	string	The date the job was created in ISO 8601 format.
Definition	ExportJobResource (p. 141)	The export job settings.
FailedPieces	integer	The number of pieces that failed to be processed as of the time of the request.

Attribute	Type	Description
Failures	array	Provides up to 100 of the first failed entries for the job, if any exist.
Id	string	The unique ID of the job.
JobStatus	string	<p>The status of the job. Valid values: CREATED, INITIALIZING, PROCESSING, COMPLETING, COMPLETED, FAILING, FAILED</p> <p>The job status is FAILED if one or more pieces failed.</p>
TotalFailures	integer	The number of endpoints that were not processed; for example, because of syntax errors.
TotalPieces	integer	The total number of pieces that must be processed to finish the job. Each piece is an approximately equal portion of the endpoints.
TotalProcessed	integer	The number of endpoints that were processed by the job.
Type	string	The job type. Will be 'EXPORT'.

ExportJobResource

Attribute	Type	Description
RoleArn	string	The Amazon Resource Name (ARN) of an IAM role that grants Amazon Pinpoint access to the Amazon S3 location that endpoints will be exported to.
S3UrlPrefix	string	<p>A URL that points to the location within an Amazon S3 bucket that will receive the export. The location is typically a folder with multiple files.</p> <p>The URL should follow this format: <code>s3://bucket-name/folder-name/</code></p> <p>Amazon Pinpoint will export endpoints to this location.</p>
SegmentId	string	The ID of the segment to export endpoints from. If not present, Amazon Pinpoint exports all of the endpoints that belong to the application.

Attribute	Type	Description
SegmentVersion	integer	The version of the segment to export if specified.

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestID	string	The unique message body ID.

Import Jobs

Represents jobs that import endpoint definitions from an Amazon S3 bucket. You can use this resource to create import jobs, check the status of an in-progress import job, and access the history of your import jobs.

You can use an import job to create a segment by importing the endpoint definitions that belong to the segment. Creating segments with import jobs is useful if you have segments for your users outside of Amazon Pinpoint but you want to engage your users with Amazon Pinpoint campaigns.

URI

/v1/apps/*application-id*/jobs/import

HTTP Methods

GET

Returns information about your import jobs.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Query

Name	Required	Type
page-size	false	string

Name	Required	Type
token	false	string

Response

Status Code	Schema
200	ImportJobsResponse (p. 146)

POST

Creates or updates an import job.

Body

Name	Required	Type
ImportJobRequest	true	ImportJobRequest (p. 145)

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
201	ImportJobResponse (p. 146)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 148)	BadRequestException
403	MessageBody (p. 148)	ForbiddenException
404	MessageBody (p. 148)	NotFoundException
405	MessageBody (p. 148)	MethodNotAllowedException

Status Code	Schema	Error Type
429	MessageBody (p. 148)	TooManyRequestsException
500	MessageBody (p. 148)	InternalServerErrorException

Schemas

Request Schemas

Example ImportJobRequest

```
{
  "S3Url": "string",
  "RoleArn": "string",
  "Format": "CSV",
  "RegisterEndpoints": true,
  "DefineSegment": true,
  "SegmentName": "string",
  "SegmentId": "string"
}
```

Response Schemas

Example ImportJobsResponse

```
{
  "Item": [
    {
      "ApplicationId": "string",
      "Id": "string",
      "JobStatus": "CREATED",
      "CompletedPieces": 0,
      "FailedPieces": 0,
      "TotalPieces": 0,
      "CreationDate": "string",
      "CompletionDate": "string",
      "Type": "string",
      "TotalFailures": 0,
      "TotalProcessed": 0,
      "Failures": [
        "string"
      ],
      "Definition": {
        "S3Url": "string",
        "RoleArn": "string",
        "ExternalId": "string",
        "Format": "CSV",
        "RegisterEndpoints": true,
        "DefineSegment": true,
        "SegmentName": "string",
        "SegmentId": "string"
      }
    }
  ],
  "NextToken": "string"
}
```

Example ImportJobResponse

```
{
  "ApplicationId": "string",
  "Id": "string",
  "JobStatus": "CREATED",
  "CompletedPieces": 0,
  "FailedPieces": 0,
  "TotalPieces": 0,
  "CreationDate": "string",
  "CompletionDate": "string",
  "Type": "string",
  "TotalFailures": 0,
  "TotalProcessed": 0,
  "Failures": [
    "string"
  ],
  "Definition": {
    "S3Url": "string",
    "RoleArn": "string",
    "ExternalId": "string",
    "Format": "CSV",
    "RegisterEndpoints": true,
    "DefineSegment": true,
    "SegmentName": "string",
    "SegmentId": "string"
  }
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

ImportJobRequest

Attribute	Type	Description
DefineSegment	boolean	Sets whether the endpoints create a segment when they are imported.
ExternalId	string	(Deprecated) Your AWS account ID, which you assigned to the ExternalID key in an IAM trust policy. Used by Amazon Pinpoint to assume an IAM role. This requirement is removed, and external IDs are not recommended for IAM roles assumed by Amazon Pinpoint.
Format	string	The format of the files that contain the endpoint definitions. Valid values: CSV, JSON

Attribute	Type	Description
RegisterEndpoints	boolean	Sets whether the endpoints are registered with Amazon Pinpoint when they are imported.
RoleArn	string	The Amazon Resource Name (ARN) of an IAM role that grants Amazon Pinpoint access to the Amazon S3 location that contains the endpoints to import.
S3Url	string	<p>The URL of the S3 bucket that contains the segment information to import. The location can be a folder or a single file. The URL should use the following format: <code>s3://bucket-name/folder-name/file-name</code></p> <p>Amazon Pinpoint imports endpoints from this location and any subfolders it contains.</p>
SegmentId	string	The ID of the segment to update if the import job is meant to update an existing segment.
SegmentName	string	A custom name for the segment created by the import job. Use if DefineSegment is true.

ImportJobsResponse

Attribute	Type	Description
Item	array	A list of import jobs for the application.
NextToken	string	The string that you use in a subsequent request to get the next page of results in a paginated response.

ImportJobResponse

Attribute	Type	Description
ApplicationId	string	The unique ID of the application to which the import job applies.
CompletedPieces	integer	The number of pieces that have successfully imported as of the time of the request.
CompletionDate	string	The date the import job completed in ISO 8601 format.

Attribute	Type	Description
CreationDate	string	The date the import job was created in ISO 8601 format.
Definition	ImportJobResource (p. 147)	The import job settings.
FailedPieces	integer	The number of pieces that have failed to import as of the time of the request.
Failures	array	Provides up to 100 of the first failed entries for the job, if any exist.
Id	string	The unique ID of the import job.
JobStatus	string	The status of the import job. Valid values: CREATED, INITIALIZING, PROCESSING, COMPLETING, COMPLETED, FAILING, FAILED The job status is FAILED if one or more pieces failed to import.
TotalFailures	integer	The number of endpoints that failed to import; for example, because of syntax errors.
TotalPieces	integer	The total number of pieces that must be imported to finish the job. Each piece is an approximately equal portion of the endpoints to import.
TotalProcessed	integer	The number of endpoints that were processed by the import job.
Type	string	The job type. Will be Import.

ImportJobResource

Attribute	Type	Description
DefineSegment	boolean	Sets whether the endpoints create a segment when they are imported.
ExternalId	string	(Deprecated) Your AWS account ID, which you assigned to the ExternalID key in an IAM trust policy. Used by Amazon Pinpoint to assume an IAM role. This requirement is removed, and external IDs are not recommended for IAM roles assumed by Amazon Pinpoint.
Format	string	The format of the files that contain the endpoint definitions. Valid values: CSV, JSON

Attribute	Type	Description
RegisterEndpoints	boolean	Sets whether the endpoints are registered with Amazon Pinpoint when they are imported.
RoleArn	string	The Amazon Resource Name (ARN) of an IAM role that grants Amazon Pinpoint access to the Amazon S3 location that contains the endpoints to import.
S3Url	string	<p>The URL of the S3 bucket that contains the segment information to import. The location can be a folder or a single file. The URL should use the following format: <code>s3://bucket-name/folder-name/file-name</code></p> <p>Amazon Pinpoint imports endpoints from this location and any subfolders it contains.</p>
SegmentId	string	The ID of the segment to update if the import job is meant to update an existing segment.
SegmentName	string	A custom name for the segment created by the import job. Use if <code>DefineSegment</code> is true.

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

Import Job

Represents a job that imports endpoint definitions from an Amazon S3 bucket. You can use this resource to look up an import job.

URI

`/v1/apps/application-id/jobs/import/job-id`

HTTP Methods

GET

Returns information about an import job.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string
job-id	true	string

Response

Status Code	Schema
200	ImportJobResponse (p. 150)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 152)	BadRequestException
403	MessageBody (p. 152)	ForbiddenException
404	MessageBody (p. 152)	NotFoundException
405	MessageBody (p. 152)	MethodNotAllowedException
429	MessageBody (p. 152)	TooManyRequestsException
500	MessageBody (p. 152)	InternalServerErrorException

Schemas

Response Schemas

Example ImportJobResponse

```
{
  "ApplicationId": "string",
  "Id": "string",
  "JobStatus": "CREATED",
  "CompletedPieces": 0,
  "FailedPieces": 0,
  "TotalPieces": 0,
  "CreationDate": "string",
  "CompletionDate": "string",
  "Type": "string",
  "TotalFailures": 0,
```

```
"TotalProcessed": 0,
"Failures": [
  "string"
],
"Definition": {
  "S3Url": "string",
  "RoleArn": "string",
  "ExternalId": "string",
  "Format": "CSV",
  "RegisterEndpoints": true,
  "DefineSegment": true,
  "SegmentName": "string",
  "SegmentId": "string"
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

ImportJobResponse

Attribute	Type	Description
ApplicationId	string	The unique ID of the application to which the import job applies.
CompletedPieces	integer	The number of pieces that have successfully imported as of the time of the request.
CompletionDate	string	The date the import job completed in ISO 8601 format.
CreationDate	string	The date the import job was created in ISO 8601 format.
Definition	ImportJobResource (p. 151)	The import job settings.
FailedPieces	integer	The number of pieces that have failed to import as of the time of the request.
Failures	array	Provides up to 100 of the first failed entries for the job, if any exist.
Id	string	The unique ID of the import job.
JobStatus	string	The status of the import job. Valid values: CREATED, INITIALIZING, PROCESSING, COMPLETING, COMPLETED, FAILING, FAILED The job status is FAILED if one or more pieces failed to import.

Attribute	Type	Description
TotalFailures	integer	The number of endpoints that failed to import; for example, because of syntax errors.
TotalPieces	integer	The total number of pieces that must be imported to finish the job. Each piece is an approximately equal portion of the endpoints to import.
TotalProcessed	integer	The number of endpoints that were processed by the import job.
Type	string	The job type. Will be Import.

ImportJobResource

Attribute	Type	Description
DefineSegment	boolean	Sets whether the endpoints create a segment when they are imported.
ExternalId	string	(Deprecated) Your AWS account ID, which you assigned to the ExternalID key in an IAM trust policy. Used by Amazon Pinpoint to assume an IAM role. This requirement is removed, and external IDs are not recommended for IAM roles assumed by Amazon Pinpoint.
Format	string	The format of the files that contain the endpoint definitions. Valid values: CSV, JSON
RegisterEndpoints	boolean	Sets whether the endpoints are registered with Amazon Pinpoint when they are imported.
RoleArn	string	The Amazon Resource Name (ARN) of an IAM role that grants Amazon Pinpoint access to the Amazon S3 location that contains the endpoints to import.
S3Url	string	<p>The URL of the S3 bucket that contains the segment information to import. The location can be a folder or a single file. The URL should use the following format: s3://bucket-name/folder-name/file-name</p> <p>Amazon Pinpoint imports endpoints from this location and any subfolders it contains.</p>

Attribute	Type	Description
SegmentId	string	The ID of the segment to update if the import job is meant to update an existing segment.
SegmentName	string	A custom name for the segment created by the import job. Use if DefineSegment is true.

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

Messages

Use this resource to send a direct message. A direct message is a one time message that you send to a limited audience without creating a campaign first.

You can send a direct message to up to 100 recipients. You can't send a direct message to a segment. When you send the message, Amazon Pinpoint delivers it immediately. You can't schedule the delivery of direct messages. If you want to send a message to a segment, or if you want to schedule a message to be sent at a certain time, you should create a campaign rather than sending a direct message.

You can send a direct message as a push notification to users of your mobile app, or as an SMS message to SMS-enabled devices. You can't use the email channel to send direct messages.

URI

/v1/apps/*application-id*/messages

HTTP Methods

POST

Used to send a direct message.

Body

Name	Required	Type
MessageRequest	true	MessageRequest (p. 156)

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	MessageResponse (p. 170)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 172)	BadRequestException
403	MessageBody (p. 172)	ForbiddenException
404	MessageBody (p. 172)	NotFoundException
405	MessageBody (p. 172)	MethodNotAllowedException
429	MessageBody (p. 172)	TooManyRequestsException
500	MessageBody (p. 172)	InternalServerErrorException

Schemas

Request Schemas

Example MessageRequest

```
{
  "Context":{
  },
  "MessageConfiguration":{
    "DefaultMessage":{
      "Body":"string",
      "Substitutions":{
      }
    },
    "DefaultPushNotificationMessage":{
      "Body":"string",
      "Substitutions":{
      },
      "Title":"string",
      "Action":"OPEN_APP",
      "Url":"string",
      "SilentPush":true,
    }
  }
}
```

```

        "Data":{
        }
    },
    "EmailMessage":{
        "Body":"string",
        "FeedbackForwardingAddress":"string",
        "FromAddress":"string",
        "RawEmail":{
            "Data":[
                "string"
            ]
        },
        "SimpleEmail":{
            "Subject":{
                "Charset":"string",
                "Data":"string"
            },
            "HtmlPart":{
                "Charset":"string",
                "Data":"string"
            },
            "TextPart":{
                "Charset":"string",
                "Data":"string"
            }
        },
        "Substitutions":{
        }
    },
    "APNSMessage":{
        "Body":"string",
        "Substitutions":{
        },
        "Title":"string",
        "Action":"OPEN_APP",
        "Url":"string",
        "SilentPush":true,
        "Data":{
        },
        "MediaUrl":"string",
        "Sound":"string",
        "Badge":0,
        "Category":"string",
        "ThreadId":"string",
        "RawContent":"string",
        "PreferredAuthenticationMethod":"string",
        "TimeToLive":0,
        "Priority":"string",
        "CollapseId":"string"
    },
    "GCMMessage":{
        "Body":"string",
        "Substitutions":{
        },
        "Title":"string",
        "Action":"OPEN_APP",
        "Url":"string",
        "SilentPush":true,
        "Data":{
        },
    },

```



```
        "IconReference": "string",
        "Sound": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "SmallImageIconUrl": "string",
        "RawContent": "string",
        "CollapseKey": "string",
        "RestrictedPackageName": "string",
        "TimeToLive": 0,
        "Priority": "string"
    },
    "BaiduMessage": {
        "Body": "string",
        "Substitutions": {

        },
        "Title": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "SilentPush": true,
        "Data": {

        },
        "IconReference": "string",
        "Sound": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "SmallImageIconUrl": "string",
        "RawContent": "string",
        "TimeToLive": 0
    },
    "ADMMMessage": {
        "Body": "string",
        "Substitutions": {

        },
        "Title": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "SilentPush": true,
        "Data": {

        },
        "IconReference": "string",
        "Sound": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "SmallImageIconUrl": "string",
        "RawContent": "string",
        "ConsolidationKey": "string",
        "ExpiresAfter": "string",
        "MD5": "string"
    },
    "SMSMessage": {
        "Body": "string",
        "Substitutions": {

        },
        "SenderId": "string",
        "MessageType": "TRANSACTIONAL",
        "Keyword": "string",
        "OriginationNumber": "string"
    }
},
"Addresses": {
```

```
    },
    "Endpoints":{
    }
}
```

Response Schemas

Example MessageResponse

```
{
  "RequestId": "string",
  "EndpointResult": {},
  "ApplicationId": "string",
  "Result": {}
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

MessageRequest

Attribute	Type	Description
Addresses	object	A map of key-value pairs, where each key is an address and each value is an AddressConfiguration object. An address can be a push notification token, a phone number, or an email address.
Context	object	A map of custom attributes to attributes to be attached to the message. This payload is added to the push notification's 'data.pinpoint' object or added to the email/sms delivery receipt event attributes.
Endpoints	object	A map of key-value pairs, where each key is an endpoint ID and each value is an EndpointSendConfiguration object. Within an EndpointSendConfiguration object, you can tailor the message for an endpoint by specifying message overrides or substitutions.
MessageConfiguration	DirectMessageConfiguration (p. 158)	Message configuration.

Attribute	Type	Description
TraceId	string	A unique ID that you can use to trace a message. This ID is visible to recipients.

AddressConfiguration

Attribute	Type	Description
BodyOverride	string	Body override. If specified will override default body.
ChannelType	string	The channel type. Valid values: GCM APNS APNS_SANDBOX APNS_VOIP APNS_VOIP_SANDBOX ADM SMS EMAIL BAIDU
Context	object	A map of custom attributes to attributes to be attached to the message for this address. This payload is added to the push notification's 'data.pinpoint' object or added to the email/sms delivery receipt event attributes.
RawContent	string	The Raw JSON formatted string to be used as the payload. This value overrides the message.
Substitutions	object	A map of substitution values for the message to be merged with the DefaultMessage's substitutions. Substitutions on this map take precedence over the all other substitutions.
TitleOverride	string	Title override. If specified will override default title if applicable.

EndpointSendConfiguration

Attribute	Type	Description
BodyOverride	string	Body override. If specified will override default body.
Context	object	A map of custom attributes to attributes to be attached to the message for this address. This payload is added to the push notification's 'data.pinpoint' object or added to the email/sms delivery receipt event attributes.

Attribute	Type	Description
RawContent	string	The Raw JSON formatted string to be used as the payload. This value overrides the message.
Substitutions	object	A map of substitution values for the message to be merged with the DefaultMessage's substitutions. Substitutions on this map take precedence over the all other substitutions.
TitleOverride	string	Title override. If specified will override default title if applicable.

DirectMessageConfiguration

Attribute	Type	Description
ADMMMessage	ADMMMessage (p. 158)	The message to ADM channels. Overrides the default push notification message.
APNSMessage	APNSMessage (p. 160)	The message to APNS channels. Overrides the default push notification message.
BaiduMessage	BaiduMessage (p. 163)	The message to Baidu GCM channels. Overrides the default push notification message.
DefaultMessage	DefaultMessage (p. 165)	The default message for all channels.
DefaultPushNotificationMessage	DefaultPushNotificationMessage (p. 165)	The default push notification message for all push channels.
EmailMessage	EmailMessage (p. 166)	The message to Email channels. Overrides the default message.
GCMMessage	GCMMessage (p. 167)	The message to GCM channels. Overrides the default push notification message.
SMSMessage	SMSMessage (p. 169)	The message to SMS channels. Overrides the default message.

ADMMMessage

Attribute	Type	Description
Action	string	The action that occurs if the user taps a push notification delivered by the campaign: OPEN_APP - Your app launches, or it becomes the foreground app if it has been

Attribute	Type	Description
		sent to the background. This is the default action. DEEP_LINK - Uses deep linking features in iOS and Android to open your app and display a designated user interface within the app. URL - The default mobile browser on the user's device launches and opens a web page at the URL you specify. Possible values include: OPEN_APP DEEP_LINK URL
Body	string	The message body of the notification.
ConsolidationKey	string	Optional. Arbitrary string used to indicate multiple messages are logically the same and that ADM is allowed to drop previously enqueued messages in favor of this one.
Data	object	The data payload used for a silent push. This payload is added to the notifications' data.pinpoint.jsonBody' object
ExpiresAfter	string	Optional. Number of seconds ADM should retain the message if the device is offline
IconReference	string	The icon image name of the asset saved in your application.
ImageIconUrl	string	The URL that points to an image used as the large icon to the notification content view.
ImageUrl	string	The URL that points to an image used in the push notification.
MD5	string	Optional. Base-64-encoded MD5 checksum of the data parameter. Used to verify data integrity
RawContent	string	The Raw JSON formatted string to be used as the payload. This value overrides the message.
SilentPush	boolean	Indicates if the message should display on the users device. Silent pushes can be used for Remote Configuration and Phone Home use cases.

Attribute	Type	Description
SmallImageUrl	string	The URL that points to an image used as the small icon for the notification which will be used to represent the notification in the status bar and content view
Sound	string	Indicates a sound to play when the device receives the notification. Supports default, or the filename of a sound resource bundled in the app. Android sound files must reside in /res/raw/
Substitutions	object	Default message substitutions. Can be overridden by individual address substitutions.
Title	string	The message title that displays above the message on the user's device.
Url	string	The URL to open in the user's mobile browser. Used if the value for Action is URL.

APNSMessage

Attribute	Type	Description
Action	string	The action that occurs if the user taps a push notification delivered by the campaign: OPEN_APP - Your app launches, or it becomes the foreground app if it has been sent to the background. This is the default action. DEEP_LINK - Uses deep linking features in iOS and Android to open your app and display a designated user interface within the app. URL - The default mobile browser on the user's device launches and opens a web page at the URL you specify. Possible values include: OPEN_APP DEEP_LINK URL
Badge	integer	Include this key when you want the system to modify the badge of your app icon. If this key is not included in the dictionary, the badge is not changed. To remove the badge, set the value of this key to 0.
Body	string	The message body of the notification.

Attribute	Type	Description
Category	string	Provide this key with a string value that represents the notification's type. This value corresponds to the value in the identifier property of one of your app's registered categories.
CollapseId	string	An ID that, if assigned to multiple messages, causes APNs to coalesce the messages into a single push notification instead of delivering each message individually. The value must not exceed 64 bytes. Amazon Pinpoint uses this value to set the apns-collapse-id request header when it sends the message to APNs.
Data	object	The data payload used for a silent push. This payload is added to the notifications' data.pinpoint.jsonBody' object
MediaUrl	string	A URL that refers to the location of an image or video that you want to display in the push notification.
PreferredAuthenticationMethod	string	The preferred authentication method, either "CERTIFICATE" or "TOKEN"

Attribute	Type	Description
Priority	string	<p>The message priority. Amazon Pinpoint uses this value to set the apns-priority request header when it sends the message to APNs. Accepts the following values:</p> <p>"5" - Low priority. Messages might be delayed, delivered in groups, and throttled.</p> <p>"10" - High priority. Messages are sent immediately. High priority messages must cause an alert, sound, or badge on the receiving device.</p> <p>The default value is "10".</p> <p>The equivalent values for FCM or GCM messages are "normal" and "high". Amazon Pinpoint accepts these values for APNs messages and converts them.</p> <p>For more information about the apns-priority parameter, see Communicating with APNs in the APNs Local and Remote Notification Programming Guide.</p>
RawContent	string	The Raw JSON formatted string to be used as the payload. This value overrides the message.
SilentPush	boolean	Indicates if the message should display on the users device. Silent pushes can be used for Remote Configuration and Phone Home use cases.
Sound	string	Include this key when you want the system to play a sound. The value of this key is the name of a sound file in your app's main bundle or in the Library/Sounds folder of your app's data container. If the sound file cannot be found, or if you specify defaultfor the value, the system plays the default alert sound.
Substitutions	object	Default message substitutions. Can be overridden by individual address substitutions.

Attribute	Type	Description
ThreadId	string	Provide this key with a string value that represents the app-specific identifier for grouping notifications. If you provide a Notification Content app extension, you can use this value to group your notifications together.
TimeToLive	integer	The length of time (in seconds) that APNs stores and attempts to deliver the message. If the value is 0, APNs does not store the message or attempt to deliver it more than once. Amazon Pinpoint uses this value to set the apns-expiration request header when it sends the message to APNs.
Title	string	The message title that displays above the message on the user's device.
Url	string	The URL to open in the user's mobile browser. Used if the value for Action is URL.

BaiduMessage

Attribute	Type	Description
Action	string	The action that occurs if the user taps a push notification delivered by the campaign: OPEN_APP - Your app launches, or it becomes the foreground app if it has been sent to the background. This is the default action. DEEP_LINK - Uses deep linking features in iOS and Android to open your app and display a designated user interface within the app. URL - The default mobile browser on the user's device launches and opens a web page at the URL you specify. Possible values include: OPEN_APP DEEP_LINK URL
Body	string	The message body of the notification.
Data	object	The data payload used for a silent push. This payload is added to the notifications' data.pinpoint.jsonBody' object

Attribute	Type	Description
IconReference	string	The icon image name of the asset saved in your application.
ImageIconUrl	string	The URL that points to an image used as the large icon to the notification content view.
ImageUrl	string	The URL that points to an image used in the push notification.
RawContent	string	The Raw JSON formatted string to be used as the payload. This value overrides the message.
SilentPush	boolean	Indicates if the message should display on the users device. Silent pushes can be used for Remote Configuration and Phone Home use cases.
SmallImageIconUrl	string	The URL that points to an image used as the small icon for the notification which will be used to represent the notification in the status bar and content view
Sound	string	Indicates a sound to play when the device receives the notification. Supports default, or the filename of a sound resource bundled in the app. Android sound files must reside in /res/raw/
Substitutions	object	Default message substitutions. Can be overridden by individual address substitutions.
TimeToLive	integer	This parameter specifies how long (in seconds) the message should be kept in Baidu storage if the device is offline. The and the default value and the maximum time to live supported is 7 days (604800 seconds)
Title	string	The message title that displays above the message on the user's device.
Url	string	The URL to open in the user's mobile browser. Used if the value for Action is URL.

DefaultMessage

Attribute	Type	Description
Body	string	The message body of the notification, the email body or the text message.
Substitutions	object	Default message substitutions. Can be overridden by individual address substitutions.

DefaultPushNotificationMessage

Attribute	Type	Description
Action	string	The action that occurs if the user taps a push notification delivered by the campaign: OPEN_APP - Your app launches, or it becomes the foreground app if it has been sent to the background. This is the default action. DEEP_LINK - Uses deep linking features in iOS and Android to open your app and display a designated user interface within the app. URL - The default mobile browser on the user's device launches and opens a web page at the URL you specify. Possible values include: OPEN_APP DEEP_LINK URL
Body	string	The message body of the notification.
Data	object	The data payload used for a silent push. This payload is added to the notifications' data.pinpoint.jsonBody' object
SilentPush	boolean	Indicates if the message should display on the recipient's device. You can use silent pushes for remote configuration or to deliver messages to in-app notification centers.
Substitutions	object	Default message substitutions. Can be overridden by individual address substitutions.
Title	string	The message title that displays above the message on the user's device.
Url	string	The URL to open in the user's mobile browser. Used if the value for Action is URL.

EmailMessage

Attribute	Type	Description
Body	string	The body of the email message.
FeedbackForwardingAddress	string	The email address that bounces and complaints will be forwarded to when feedback forwarding is enabled.
FromAddress	string	The email address used to send the email from. Defaults to use FromAddress specified in the Email Channel.
RawEmail	RawEmail (p. 166)	An email represented as a raw MIME message.
ReplyToAddresses	array	The reply-to email address(es) for the email. If the recipient replies to the email, each reply-to address will receive the reply.
SimpleEmail	SimpleEmail (p. 166)	An email composed of a subject, a text part and a html part.
Substitutions	object	Default message substitutions. Can be overridden by individual address substitutions.

RawEmail

Attribute	Type	Description
Data	array	The raw data of the email.

SimpleEmail

Attribute	Type	Description
HtmlPart	SimpleEmailPart (p. 167)	The content of the message, in HTML format. Use this for email clients that can process HTML. You can include clickable links, formatted text, and much more in an HTML message.
Subject	SimpleEmailPart (p. 167)	The subject of the message: A short summary of the content, which will appear in the recipient's inbox.
TextPart	SimpleEmailPart (p. 167)	The content of the message, in text format. Use this for text-based email clients, or clients on high-latency networks (such as mobile devices).

SimpleEmailPart

Attribute	Type	Description
Charset	string	The character set of the content.
Data	string	The textual data of the content.

GCMMessage

Attribute	Type	Description
Action	string	The action that occurs if the user taps a push notification delivered by the campaign: OPEN_APP - Your app launches, or it becomes the foreground app if it has been sent to the background. This is the default action. DEEP_LINK - Uses deep linking features in iOS and Android to open your app and display a designated user interface within the app. URL - The default mobile browser on the user's device launches and opens a web page at the URL you specify. Possible values include: OPEN_APP DEEP_LINK URL
Body	string	The message body of the notification.
CollapseKey	string	This parameter identifies a group of messages (e.g., with collapse_key: "Updates Available") that can be collapsed, so that only the last message gets sent when delivery can be resumed. This is intended to avoid sending too many of the same messages when the device comes back online or becomes active.
Data	object	The data payload used for a silent push. This payload is added to the notifications' data.pinpoint.jsonBody' object
IconReference	string	The icon image name of the asset saved in your application.
ImageIconUrl	string	The URL that points to an image used as the large icon to the notification content view.
ImageUrl	string	The URL that points to an image used in the push notification.

Attribute	Type	Description
Priority	string	<p>The message priority. Amazon Pinpoint uses this value to set the FCM or GCM priority parameter when it sends the message. Accepts the following values:</p> <p>"Normal" - Messages might be delayed. Delivery is optimized for battery usage on the receiving device. Use normal priority unless immediate delivery is required.</p> <p>"High" - Messages are sent immediately and might wake a sleeping device.</p> <p>The equivalent values for APNs messages are "5" and "10". Amazon Pinpoint accepts these values here and converts them.</p> <p>For more information, see About FCM Messages in the Firebase documentation.</p>
RawContent	string	The Raw JSON formatted string to be used as the payload. This value overrides the message.
RestrictedPackageName	string	This parameter specifies the package name of the application where the registration tokens must match in order to receive the message.
SilentPush	boolean	Indicates if the message should display on the users device. Silent pushes can be used for Remote Configuration and Phone Home use cases.
SmallImageIconUrl	string	The URL that points to an image used as the small icon for the notification which will be used to represent the notification in the status bar and content view
Sound	string	Indicates a sound to play when the device receives the notification. Supports default, or the filename of a sound resource bundled in the app. Android sound files must reside in /res/raw/

Attribute	Type	Description
Substitutions	object	Default message substitutions. Can be overridden by individual address substitutions.
TimeToLive	integer	The length of time (in seconds) that FCM or GCM stores and attempts to deliver the message. If unspecified, the value defaults to the maximum, which is 2,419,200 seconds (28 days). Amazon Pinpoint uses this value to set the FCM or GCM time_to_live parameter.
Title	string	The message title that displays above the message on the user's device.
Url	string	The URL to open in the user's mobile browser. Used if the value for Action is URL.

SMSMessage

Attribute	Type	Description
Body	string	The body of the SMS message.
Keyword	string	The SMS program name that you provided to AWS Support when you requested your dedicated number.
MessageType	string	Is this a transaction priority message or lower priority.
OriginationNumber	string	The phone number that the SMS message originates from. Specify one of the dedicated long codes or short codes that you requested from AWS Support and that is assigned to your account. If this attribute is not specified, Amazon Pinpoint randomly assigns a long code.
SenderId	string	The sender ID that is shown as the message sender on the recipient's device. Support for sender IDs varies by country or region.
Substitutions	object	Default message substitutions. Can be overridden by individual address substitutions.

MessageResponse

Attribute	Type	Description
ApplicationId	string	Application id of the message.
EndpointResult	object	A map containing a multi part response for each address, with the endpointId as the key and the result as the value.
RequestId	string	Original request Id for which this message was delivered.
Result	object	A map containing a multi part response for each address, with the address as the key (Email address, phone number or push token) and the result as the value.

EndpointMessageResult

Attribute	Type	Description
Address	string	Address that endpoint message was delivered to.
DeliveryStatus	string	<p>The delivery status of the message. Possible values:</p> <p>SUCCESS - The message was successfully delivered to the endpoint.</p> <p>TRANSIENT_FAILURE - A temporary error occurred. Amazon Pinpoint will attempt to deliver the message again later.</p> <p>FAILURE_PERMANENT - An error occurred when delivering the message to the endpoint. Amazon Pinpoint won't attempt to send the message again.</p> <p>TIMEOUT - The message couldn't be sent within the timeout period.</p> <p>QUIET_TIME - The local time for the endpoint was within the QuietTime for the campaign or app.</p> <p>DAILY_CAP - The endpoint has received the maximum number of messages it can receive within a 24-hour period.</p>

Attribute	Type	Description
		<p>HOLDOUT - The endpoint was in a hold out treatment for the campaign.</p> <p>THROTTLED - Amazon Pinpoint throttled sending to this endpoint.</p> <p>EXPIRED - The endpoint address is expired.</p> <p>CAMPAIGN_CAP - The endpoint received the maximum number of messages allowed by the campaign.</p> <p>SERVICE_FAILURE - A service-level failure prevented Amazon Pinpoint from delivering the message.</p> <p>UNKNOWN - An unknown error occurred.</p>
MessageId	string	Unique message identifier associated with the message that was sent.
StatusCode	integer	Downstream service status code.
StatusMessage	string	Status message for message delivery.
UpdatedToken	string	If token was updated as part of delivery. (This is GCM Specific)

MessageResult

Attribute	Type	Description
DeliveryStatus	string	<p>The delivery status of the message. Possible values:</p> <p>SUCCESS - The message was successfully delivered to the endpoint.</p> <p>TRANSIENT_FAILURE - A temporary error occurred. Amazon Pinpoint will attempt to deliver the message again later.</p> <p>FAILURE_PERMANENT - An error occurred when delivering the message to the endpoint. Amazon Pinpoint won't attempt to send the message again.</p> <p>TIMEOUT - The message couldn't be sent within the timeout period.</p>

Attribute	Type	Description
		<p>QUIET_TIME - The local time for the endpoint was within the QuietTime for the campaign or app.</p> <p>DAILY_CAP - The endpoint has received the maximum number of messages it can receive within a 24-hour period.</p> <p>HOLDOUT - The endpoint was in a hold out treatment for the campaign.</p> <p>THROTTLED - Amazon Pinpoint throttled sending to this endpoint.</p> <p>EXPIRED - The endpoint address is expired.</p> <p>CAMPAIGN_CAP - The endpoint received the maximum number of messages allowed by the campaign.</p> <p>SERVICE_FAILURE - A service-level failure prevented Amazon Pinpoint from delivering the message.</p> <p>UNKNOWN - An unknown error occurred.</p>
MessageId	string	Unique message identifier associated with the message that was sent.
StatusCode	integer	Downstream service status code.
StatusMessage	string	Status message for message delivery.
UpdatedToken	string	If token was updated as part of delivery. (This is GCM Specific)

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

Phone Number Validate

Use this resource to convert an incoming phone number into E.164 format, and to get more information about the phone number.

This resource accepts a POST request that includes a phone number in the request body. It responds with information about the phone number. This information indicates whether the phone number is valid, and the type of phone line that it's associated with (for example, whether it's a mobile or landline number). It also includes other helpful information about the number, such as the carrier that the number is registered with, and the location where the number was originally registered.

URI

`/v1/phone/number/validate`

HTTP Methods

POST

Returns information about the specified phone number.

Body

Name	Required	Type
NumberValidateRequest	true	NumberValidateRequest (p. 174)

Header

Name	Required	Type
accept	false	string

Response

Status Code	Schema
200	NumberValidateResponse (p. 175)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 176)	BadRequestException
403	MessageBody (p. 176)	ForbiddenException
404	MessageBody (p. 176)	NotFoundException
405	MessageBody (p. 176)	MethodNotAllowedException
429	MessageBody (p. 176)	TooManyRequestsException
500	MessageBody (p. 176)	InternalServerErrorException

Schemas

Request Schemas

Example NumberValidateRequest

```
{
  "PhoneNumber": "12065550199",
  "IsoCountryCode": "US"
}
```

Response Schemas

Example NumberValidateResponse

```
{
  "CountryCodeIso2": "US",
  "CountryCodeNumeric": "1",
  "Country": "United States",
  "City": "Seattle",
  "ZipCode": "98108",
  "County": "King",
  "Timezone": "America/Los Angeles",
  "CleansedPhoneNumberNational": "2065550199",
  "CleansedPhoneNumberE164": "+12065550199",
  "Carrier": "Example Corp.",
  "PhoneTypeCode": 0,
  "PhoneType": "MOBILE",
  "OriginalPhoneNumber": "12065550199",
  "OriginalCountryCodeIso2": "US"
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

NumberValidateRequest

Attribute	Type	Description
IsoCountryCode	string	(Optional) The two-character ISO country code for the country or region where the phone number was originally registered.
PhoneNumber	string	The phone number to get information about. The phone number that you provide should include a country code. If the number doesn't include a valid

Attribute	Type	Description
		country code, the operation might result in an error.

NumberValidateResponse

Attribute	Type	Description
Carrier	string	The carrier or service provider that the phone number is currently registered with.
City	string	The city where the phone number was originally registered.
CleansedPhoneNumberE164	string	The cleansed phone number, shown in E.164 format.
CleansedPhoneNumberNational	string	The cleansed phone number, shown in the local phone number format.
Country	string	The country or region where the phone number was originally registered.
CountryCodeIso2	string	The two-character ISO code for the country or region where the phone number was originally registered.
CountryCodeNumeric	string	The numeric code for the country or region where the phone number was originally registered.
County	string	The county where the phone number was originally registered.
OriginalCountryCodeIso2	string	The two-character code (in ISO 3166-1 alpha-2 format) for the country or region in the request body.
OriginalPhoneNumber	string	The phone number that you included in the request body.
PhoneType	string	A description of the phone type. Possible values are MOBILE, LANDLINE, VOIP, INVALID, PREPAID, and OTHER.
PhoneTypeCode	integer	The phone type, represented by an integer. Possible values include 0 (MOBILE), 1 (LANDLINE), 2 (VOIP), 3 (INVALID), 4 (OTHER), and 5 (PREPAID).
Timezone	string	The time zone for the location where the phone number was originally registered.

Attribute	Type	Description
ZipCode	string	The postal code for the location where the phone number was originally registered.

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestID	string	The unique message body ID.

Segments

A segment designates which users receive the messages delivered by a campaign. You can use this resource to look up, create, update, or delete your segments.

You can create segments by making a POST request to the /segments URI. Your request body will include the dimensions that determine which user endpoints belong to the segment.

When you use this resource to make a segment, the segment type is **DIMENSIONAL**, which means that endpoints that belong to the segment vary over time based on user activity. If you want to create a static segment, which includes a fixed set of endpoints, you can make a POST request to the /jobs/import URI to import the endpoints that belong to the segment. For more information, see [Importing Segments](#) in the Amazon Pinpoint Developer Guide.

URI

/v1/apps/*application-id*/segments

HTTP Methods

GET

Used to get information about your segments.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Query

Name	Required	Type
page-size	false	string
token	false	string

Response

Status Code	Schema
200	SegmentsResponse (p. 189)

POST

Used to create or update a segment.

Body

Name	Required	Type
WriteSegmentRequest	true	WriteSegmentRequest (p. 185)

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
201	SegmentResponse (p. 189)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 191)	BadRequestException
403	MessageBody (p. 191)	ForbiddenException
404	MessageBody (p. 191)	NotFoundException

Status Code	Schema	Error Type
405	MessageBody (p. 191)	MethodNotAllowedException
429	MessageBody (p. 191)	TooManyRequestsException
500	MessageBody (p. 191)	InternalServerErrorException

Schemas

Request Schemas

Example WriteSegmentRequest

```
{
  "Name": "string",
  "SegmentGroups": {
    "Include": "ALL|ANY|NONE",
    "Groups": [
      {
        "Type": "ALL|ANY|NONE",
        "Dimensions": [
          {
            "Demographic": {
              "Channel": {
                "DimensionType": "INCLUSIVE",
                "Values": [
                  "string"
                ]
              },
              "Platform": {
                "DimensionType": "INCLUSIVE",
                "Values": [
                  "string"
                ]
              },
              "DeviceType": {
                "DimensionType": "INCLUSIVE",
                "Values": [
                  "string"
                ]
              },
              "AppVersion": {
                "DimensionType": "INCLUSIVE",
                "Values": [
                  "string"
                ]
              },
              "Make": {
                "DimensionType": "INCLUSIVE",
                "Values": [
                  "string"
                ]
              },
              "Model": {
                "DimensionType": "INCLUSIVE",
                "Values": [
                  "string"
                ]
              }
            }
          }
        ]
      }
    ]
  }
}
```



```

        "Location": {
            "Country": {
                "DimensionType": "INCLUSIVE",
                "Values": [
                    "string"
                ]
            },
            "GPSPoint": {
                "Coordinates": {
                    "Latitude": 0,
                    "Longitude": 0
                },
                "RangeInKilometers": 0
            }
        },
        "Behavior": {
            "Recency": {
                "RecencyType": "ACTIVE",
                "Duration": "HR_24"
            }
        },
        "Attributes": {},
        "Metrics": {},
        "UserAttributes": {}
    }
],
"SourceType": "ALL|ANY",
"SourceSegments": [
    {
        "Id": "string",
        "Version": 0
    }
]
}
],
},
"Dimensions": {
    "Demographic": {
        "Channel": {
            "DimensionType": "INCLUSIVE",
            "Values": [
                "string"
            ]
        },
        "Platform": {
            "DimensionType": "INCLUSIVE",
            "Values": [
                "string"
            ]
        },
        "DeviceType": {
            "DimensionType": "INCLUSIVE",
            "Values": [
                "string"
            ]
        },
        "AppVersion": {
            "DimensionType": "INCLUSIVE",
            "Values": [
                "string"
            ]
        },
        "Make": {
            "DimensionType": "INCLUSIVE",
            "Values": [
                "string"
            ]
        }
    }
}

```

```
    ]
  },
  "Model": {
    "DimensionType": "INCLUSIVE",
    "Values": [
      "string"
    ]
  }
},
"Location": {
  "Country": {
    "DimensionType": "INCLUSIVE",
    "Values": [
      "string"
    ]
  },
  "GPSPoint": {
    "Coordinates": {
      "Latitude": 0,
      "Longitude": 0
    },
    "RangeInKilometers": 0
  }
},
"Behavior": {
  "Recency": {
    "RecencyType": "ACTIVE",
    "Duration": "HR_24"
  }
},
"Attributes": {},
"Metrics": {},
"UserAttributes": {}
}
}
```

Response Schemas

Example SegmentsResponse

```
{
  "Item": [
    {
      "Name": "string",
      "Dimensions": {
        "Demographic": {
          "Channel": {
            "DimensionType": "INCLUSIVE",
            "Values": [
              "string"
            ]
          },
          "Platform": {
            "DimensionType": "INCLUSIVE",
            "Values": [
              "string"
            ]
          },
          "DeviceType": {
            "DimensionType": "INCLUSIVE",
            "Values": [
              "string"
            ]
          }
        }
      }
    }
  ]
}
```

```

        "AppVersion": {
            "DimensionType": "INCLUSIVE",
            "Values": [
                "string"
            ]
        },
        "Make": {
            "DimensionType": "INCLUSIVE",
            "Values": [
                "string"
            ]
        },
        "Model": {
            "DimensionType": "INCLUSIVE",
            "Values": [
                "string"
            ]
        }
    },
    "Location": {
        "Country": {
            "DimensionType": "INCLUSIVE",
            "Values": [
                "string"
            ]
        },
        "GPSPoint": {
            "Coordinates": {
                "Latitude": 0,
                "Longitude": 0
            },
            "RangeInKilometers": 0
        }
    },
    "Behavior": {
        "Recency": {
            "RecencyType": "ACTIVE",
            "Duration": "HR_24"
        }
    },
    "Attributes": {},
    "Metrics": {},
    "UserAttributes": {}
},
"Id": "string",
"ApplicationId": "string",
"CreationDate": "string",
"LastModifiedDate": "string",
"Version": 0,
"SegmentType": "DIMENSIONAL",
"ImportDefinition": {
    "Size": 0,
    "S3Url": "string",
    "RoleArn": "string",
    "ExternalId": "string",
    "Format": "CSV",
    "ChannelCounts": {}
}
}
],
"NextToken": "string"
}

```

Example SegmentResponse

```
{
  "Name": "string",
  "SegmentGroups": {
    "Include": "ALL|ANY|NONE",
    "Groups": [
      {
        "Type": "ALL|ANY|NONE",
        "Dimensions": [
          {
            "Demographic": {
              "Channel": {
                "DimensionType": "INCLUSIVE",
                "Values": [
                  "string"
                ]
              },
              "Platform": {
                "DimensionType": "INCLUSIVE",
                "Values": [
                  "string"
                ]
              },
              "DeviceType": {
                "DimensionType": "INCLUSIVE",
                "Values": [
                  "string"
                ]
              },
              "AppVersion": {
                "DimensionType": "INCLUSIVE",
                "Values": [
                  "string"
                ]
              },
              "Make": {
                "DimensionType": "INCLUSIVE",
                "Values": [
                  "string"
                ]
              },
              "Model": {
                "DimensionType": "INCLUSIVE",
                "Values": [
                  "string"
                ]
              }
            },
            "Location": {
              "Country": {
                "DimensionType": "INCLUSIVE",
                "Values": [
                  "string"
                ]
              },
              "GPSPoint": {
                "Coordinates": {
                  "Latitude": 0,
                  "Longitude": 0
                },
                "RangeInKilometers": 0
              }
            }
          }
        ],
        "Behavior": {
```

```

        "Recency": {
            "RecencyType": "ACTIVE",
            "Duration": "HR_24"
        }
    },
    "Attributes": {},
    "Metrics": {},
    "UserAttributes": {}
}
],
"SourceType": "ALL|ANY",
"SourceSegments": [
    {
        "Id": "string",
        "Version": 0
    }
]
}
]
},
"Dimensions": {
    "Demographic": {
        "Channel": {
            "DimensionType": "INCLUSIVE",
            "Values": [
                "string"
            ]
        },
        "Platform": {
            "DimensionType": "INCLUSIVE",
            "Values": [
                "string"
            ]
        },
        "DeviceType": {
            "DimensionType": "INCLUSIVE",
            "Values": [
                "string"
            ]
        },
        "AppVersion": {
            "DimensionType": "INCLUSIVE",
            "Values": [
                "string"
            ]
        },
        "Make": {
            "DimensionType": "INCLUSIVE",
            "Values": [
                "string"
            ]
        },
        "Model": {
            "DimensionType": "INCLUSIVE",
            "Values": [
                "string"
            ]
        }
    },
    "Location": {
        "Country": {
            "DimensionType": "INCLUSIVE",
            "Values": [
                "string"
            ]
        }
    }
}

```

```

    },
    "Behavior": {
      "Recency": {
        "RecencyType": "ACTIVE",
        "Duration": "HR_24"
      }
    },
    "Attributes": {
      "additionalProp1": {
        "AttributeType": "INCLUSIVE",
        "Values": [
          "string"
        ]
      },
      "additionalProp2": {
        "AttributeType": "INCLUSIVE",
        "Values": [
          "string"
        ]
      },
      "additionalProp3": {
        "AttributeType": "INCLUSIVE",
        "Values": [
          "string"
        ]
      }
    },
    "UserAttributes": {
      "additionalProp1": {
        "AttributeType": "INCLUSIVE",
        "Values": [
          "string"
        ]
      },
      "additionalProp2": {
        "AttributeType": "INCLUSIVE",
        "Values": [
          "string"
        ]
      },
      "additionalProp3": {
        "AttributeType": "INCLUSIVE",
        "Values": [
          "string"
        ]
      }
    },
    "Id": "string",
    "ApplicationId": "string",
    "CreationDate": "string",
    "LastModifiedDate": "string",
    "Version": 0,
    "SegmentType": "DIMENSIONAL",
    "ImportDefinition": {
      "Size": 0,
      "S3Url": "string",
      "RoleArn": "string",
      "ExternalId": "string",
      "Format": "CSV",
      "ChannelCounts": {
        "additionalProp1": 0,
        "additionalProp2": 0,
        "additionalProp3": 0
      }
    }
  }
}

```

```
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

WriteSegmentRequest

Attribute	Type	Description
Dimensions	SegmentDimensions (p. 185)	The segment dimensions attributes.
Name	string	The name of segment
SegmentGroups	SegmentGroupList (p. 188)	A segment group, which consists of zero or more source segments, plus dimensions that are applied to those source segments. Your request can only include one segment group. Your request can include either a SegmentGroups object or a Dimensions object, but not both.

SegmentDimensions

Attribute	Type	Description
Attributes	object	Custom segment attributes.
Behavior	SegmentBehaviors (p. 186)	The segment behaviors attributes.
Demographic	SegmentDemographics (p. 186)	The segment demographics attributes.
Location	SegmentLocation (p. 187)	The segment location attributes.
Metrics	object	Custom segment metrics.
UserAttributes	object	Custom segment user attributes.

AttributeDimension

Attribute	Type	Description
AttributeType	string	The type of dimension: INCLUSIVE - Endpoints that match the criteria are included in the segment.

Attribute	Type	Description
		EXCLUSIVE - Endpoints that match the criteria are excluded from the segment.
Values	array	The criteria values for the segment dimension. Endpoints with matching attribute values are included or excluded from the segment, depending on the setting for Type.

SegmentBehaviors

Attribute	Type	Description
Recency	RecencyDimension (p. 186)	The recency of use.

RecencyDimension

Attribute	Type	Description
Duration	string	The length of time during which users have been active or inactive with your app. Valid values: HR_24, DAY_7, DAY_14, DAY_30
RecencyType	string	The recency dimension type: ACTIVE - Users who have used your app within the specified duration are included in the segment. INACTIVE - Users who have not used your app within the specified duration are included in the segment.

SegmentDemographics

Attribute	Type	Description
AppVersion	SetDimension (p. 187)	The app version criteria for the segment.
Channel	SetDimension (p. 187)	The channel criteria for the segment.
DeviceType	SetDimension (p. 187)	The device type criteria for the segment.
Make	SetDimension (p. 187)	The device make criteria for the segment.

Attribute	Type	Description
Model	SetDimension (p. 187)	The device model criteria for the segment.
Platform	SetDimension (p. 187)	The device platform criteria for the segment.

SetDimension

Attribute	Type	Description
DimensionType	string	The type of dimension: INCLUSIVE - Endpoints that match the criteria are included in the segment. EXCLUSIVE - Endpoints that match the criteria are excluded from the segment.
Values	array	The criteria values for the segment dimension. Endpoints with matching attribute values are included or excluded from the segment, depending on the setting for Type.

SegmentLocation

Attribute	Type	Description
Country	SetDimension (p. 187)	The country or region, in ISO 3166-1 alpha-2 format.
GPSPoint	GPSPointDimension (p. 187)	The GPS Point dimension.

GPSPointDimension

Attribute	Type	Description
Coordinates	GPSCoordinates (p. 187)	Coordinate to measure distance from.
RangeInKilometers	number	Range in kilometers from the coordinate.

GPSCoordinates

Attribute	Type	Description
Latitude	number	Latitude
Longitude	number	Longitude

MetricDimension

Attribute	Type	Description
ComparisonOperator	string	The operator that you're using to compare metric values. Possible values: GREATER_THAN, LESS_THAN, GREATER_THAN_OR_EQUAL, LESS_THAN_OR_EQUAL, or EQUAL
Value	number	Value to be compared.

SegmentGroupList

Attribute	Type	Description
Groups	array	A set of segment criteria to evaluate.
Include	string	Specify how to handle multiple segment groups. For example, if the segment includes three segment groups, should the resulting segment include endpoints that are matched by all, any, or none of the segment groups you created. Acceptable values: ALL, ANY, or NONE.

SegmentGroup

Attribute	Type	Description
Dimensions	array	List of dimensions to include or exclude.
SourceSegments	array	<p>The base segment that you build your segment on. The source segment defines the starting "universe" of endpoints. When you add dimensions to the segment, it filters the source segment based on the dimensions that you specify. You can specify more than one dimensional segment. You can only specify one imported segment.</p> <p>NOTE: If you specify an imported segment for this attribute, the segment size estimate that appears in the Amazon Pinpoint console shows the size of the imported segment, without any filters applied to it.</p>
SourceType	string	Specify how to handle multiple source segments. For example, if

Attribute	Type	Description
		you specify three source segments, should the resulting segment be based on any or all of the segments? Acceptable values: ANY or ALL.
Type	string	Specify how to handle multiple segment dimensions. For example, if you specify three dimensions, should the resulting segment include endpoints that are matched by all, any, or none of the dimensions? Acceptable values: ALL, ANY, or NONE.

SegmentReference

Attribute	Type	Description
Id	string	A unique identifier for the segment.
Version	integer	If specified contains a specific version of the segment included.

SegmentsResponse

Attribute	Type	Description
Item	array	The list of segments.
NextToken	string	An identifier used to retrieve the next page of results. The token is null if no additional pages exist.

SegmentResponse

Attribute	Type	Description
ApplicationId	string	The ID of the application that the segment applies to.
CreationDate	string	The date and time when the segment was created.
Dimensions	SegmentDimensions (p. 185)	The segment dimensions attributes.
Id	string	The unique segment ID.
ImportDefinition	SegmentImportResource (p. 190)	The import job settings.
LastModifiedDate	string	The date and time when the segment was last modified.
Name	string	The name of the segment.

Attribute	Type	Description
SegmentGroups	SegmentGroupList (p. 188)	A segment group, which consists of zero or more source segments, plus dimensions that are applied to those source segments.
SegmentType	string	The segment type: DIMENSIONAL - A dynamic segment built from selection criteria based on endpoint data reported by your app. You create this type of segment by using the segment builder in the Amazon Pinpoint console or by making a POST request to the segments resource. IMPORT - A static segment built from an imported set of endpoint definitions. You create this type of segment by importing a segment in the Amazon Pinpoint console or by making a POST request to the jobs/import resource.
Version	integer	The segment version number.

SegmentImportResource

Attribute	Type	Description
ChannelCounts	object	The number of channel types in the imported segment.
ExternalId	string	(Deprecated) Your AWS account ID, which you assigned to the ExternalID key in an IAM trust policy. Used by Amazon Pinpoint to assume an IAM role. This requirement is removed, and external IDs are not recommended for IAM roles assumed by Amazon Pinpoint.
Format	string	The format of the endpoint files that were imported to create this segment. Valid values: CSV, JSON
RoleArn	string	The Amazon Resource Name (ARN) of an IAM role that grants Amazon Pinpoint access to the endpoints in Amazon S3.
S3Url	string	The URL of the S3 bucket that the segment was imported from.
Size	integer	The number of endpoints that were successfully imported to create this segment.

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestID	string	The unique message body ID.

Segment

A segment designates which users receive the messages delivered by a campaign. You can use this resource to look up, create, update, or delete your segments.

You can create a segment by making a PUT request to the `/segments/{segment-id}` URI. Your request body will include the dimensions that determine which user endpoints belong to the segment.

When you use this resource to make a segment, the segment type is `DIMENSIONAL`, which means that endpoints that belong to the segment vary over time based on user activity. If you want to create a static segment, which includes a fixed set of endpoints, you can make a POST request to the `/jobs/import` URI to import the endpoints that belong to the segment.

If you create a new segment that's based on an existing segment (by using the `SourceSegments` attribute in a `SegmentGroup`), and the existing segment was imported, then the estimated segment size estimate shown in the Amazon Pinpoint console will be inaccurate. In this case, the segment size shown in the console equals the size of the imported segment, without any additional filters applied to it.

URI

`/v1/apps/application-id/segments/segment-id`

HTTP Methods

DELETE

Deletes a segment.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string
segment-id	true	string

Response

Status Code	Schema
200	SegmentResponse (p. 203)

GET

Returns information about a segment.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string
segment-id	true	string

Response

Status Code	Schema
200	SegmentResponse (p. 203)

PUT

Used to update a segment.

Body

Name	Required	Type
WriteSegmentRequest	true	WriteSegmentRequest (p. 199)

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string
segment-id	true	string

Response

Status Code	Schema
200	SegmentResponse (p. 203)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 204)	BadRequestException
403	MessageBody (p. 204)	ForbiddenException
404	MessageBody (p. 204)	NotFoundException
405	MessageBody (p. 204)	MethodNotAllowedException
429	MessageBody (p. 204)	TooManyRequestsException
500	MessageBody (p. 204)	InternalServerErrorException

Schemas

Request Schemas

Example WriteSegmentRequest

```
{
  "Name": "string",
  "SegmentGroups": {
    "Include": "ALL|ANY|NONE",
    "Groups": [
      {
        "Type": "ALL|ANY|NONE",
        "Dimensions": [
          {
            "Demographic": {
              "Channel": {
                "DimensionType": "INCLUSIVE",
                "Values": [
                  "string"
                ]
              },
            },
            "Platform": {
              "DimensionType": "INCLUSIVE",
              "Values": [
                "string"
              ]
            },
            "DeviceType": {
              "DimensionType": "INCLUSIVE",
              "Values": [
                "string"
              ]
            }
          ]
        ]
      }
    ]
  }
}
```

```

        "AppVersion": {
            "DimensionType": "INCLUSIVE",
            "Values": [
                "string"
            ]
        },
        "Make": {
            "DimensionType": "INCLUSIVE",
            "Values": [
                "string"
            ]
        },
        "Model": {
            "DimensionType": "INCLUSIVE",
            "Values": [
                "string"
            ]
        }
    },
    "Location": {
        "Country": {
            "DimensionType": "INCLUSIVE",
            "Values": [
                "string"
            ]
        },
        "GPSPoint": {
            "Coordinates": {
                "Latitude": 0,
                "Longitude": 0
            },
            "RangeInKilometers": 0
        }
    },
    "Behavior": {
        "Recency": {
            "RecencyType": "ACTIVE",
            "Duration": "HR_24"
        }
    },
    "Attributes": {},
    "Metrics": {},
    "UserAttributes": {}
}
],
"SourceType": "ALL|ANY",
"SourceSegments": [
    {
        "Id": "string",
        "Version": 0
    }
]
}
],
},
"Dimensions": {
    "Demographic": {
        "Channel": {
            "DimensionType": "INCLUSIVE",
            "Values": [
                "string"
            ]
        }
    },
    "Platform": {
        "DimensionType": "INCLUSIVE",
        "Values": [

```



```

        "string"
      ]
    },
    "DeviceType": {
      "DimensionType": "INCLUSIVE",
      "Values": [
        "string"
      ]
    },
    "AppVersion": {
      "DimensionType": "INCLUSIVE",
      "Values": [
        "string"
      ]
    },
    "Make": {
      "DimensionType": "INCLUSIVE",
      "Values": [
        "string"
      ]
    },
    "Model": {
      "DimensionType": "INCLUSIVE",
      "Values": [
        "string"
      ]
    }
  },
  "Location": {
    "Country": {
      "DimensionType": "INCLUSIVE",
      "Values": [
        "string"
      ]
    },
    "GPSPoint": {
      "Coordinates": {
        "Latitude": 0,
        "Longitude": 0
      },
      "RangeInKilometers": 0
    }
  },
  "Behavior": {
    "Recency": {
      "RecencyType": "ACTIVE",
      "Duration": "HR_24"
    }
  },
  "Attributes": {},
  "Metrics": {},
  "UserAttributes": {}
}

```

Response Schemas

Example SegmentResponse

```

{
  "Name": "string",
  "SegmentGroups": {
    "Include": "ALL|ANY|NONE",
    "Groups": [

```

```
{
  "Type": "ALL|ANY|NONE",
  "Dimensions": [
    {
      "Demographic": {
        "Channel": {
          "DimensionType": "INCLUSIVE",
          "Values": [
            "string"
          ]
        },
        "Platform": {
          "DimensionType": "INCLUSIVE",
          "Values": [
            "string"
          ]
        },
        "DeviceType": {
          "DimensionType": "INCLUSIVE",
          "Values": [
            "string"
          ]
        },
        "AppVersion": {
          "DimensionType": "INCLUSIVE",
          "Values": [
            "string"
          ]
        },
        "Make": {
          "DimensionType": "INCLUSIVE",
          "Values": [
            "string"
          ]
        },
        "Model": {
          "DimensionType": "INCLUSIVE",
          "Values": [
            "string"
          ]
        }
      },
      "Location": {
        "Country": {
          "DimensionType": "INCLUSIVE",
          "Values": [
            "string"
          ]
        },
        "GPSPoint": {
          "Coordinates": {
            "Latitude": 0,
            "Longitude": 0
          },
          "RangeInKilometers": 0
        }
      },
      "Behavior": {
        "Recency": {
          "RecencyType": "ACTIVE",
          "Duration": "HR_24"
        }
      },
      "Attributes": {},
      "Metrics": {},
      "UserAttributes": {}
    }
  ]
}
```

```

        }
      ],
      "SourceType": "ALL|ANY",
      "SourceSegments": [
        {
          "Id": "string",
          "Version": 0
        }
      ]
    }
  ],
},
"Dimensions": {
  "Demographic": {
    "Channel": {
      "DimensionType": "INCLUSIVE",
      "Values": [
        "string"
      ]
    },
    "Platform": {
      "DimensionType": "INCLUSIVE",
      "Values": [
        "string"
      ]
    },
    "DeviceType": {
      "DimensionType": "INCLUSIVE",
      "Values": [
        "string"
      ]
    },
    "AppVersion": {
      "DimensionType": "INCLUSIVE",
      "Values": [
        "string"
      ]
    },
    "Make": {
      "DimensionType": "INCLUSIVE",
      "Values": [
        "string"
      ]
    },
    "Model": {
      "DimensionType": "INCLUSIVE",
      "Values": [
        "string"
      ]
    }
  },
  "Location": {
    "Country": {
      "DimensionType": "INCLUSIVE",
      "Values": [
        "string"
      ]
    }
  },
  "Behavior": {
    "Recency": {
      "RecencyType": "ACTIVE",
      "Duration": "HR_24"
    }
  },
},
"Attributes": {

```

```
        "additionalProp1": {
          "AttributeType": "INCLUSIVE",
          "Values": [
            "string"
          ]
        },
        "additionalProp2": {
          "AttributeType": "INCLUSIVE",
          "Values": [
            "string"
          ]
        },
        "additionalProp3": {
          "AttributeType": "INCLUSIVE",
          "Values": [
            "string"
          ]
        }
      },
      "UserAttributes": {
        "additionalProp1": {
          "AttributeType": "INCLUSIVE",
          "Values": [
            "string"
          ]
        },
        "additionalProp2": {
          "AttributeType": "INCLUSIVE",
          "Values": [
            "string"
          ]
        },
        "additionalProp3": {
          "AttributeType": "INCLUSIVE",
          "Values": [
            "string"
          ]
        }
      }
    },
    "Id": "string",
    "ApplicationId": "string",
    "CreationDate": "string",
    "LastModifiedDate": "string",
    "Version": 0,
    "SegmentType": "DIMENSIONAL",
    "ImportDefinition": {
      "Size": 0,
      "S3Url": "string",
      "RoleArn": "string",
      "ExternalId": "string",
      "Format": "CSV",
      "ChannelCounts": {
        "additionalProp1": 0,
        "additionalProp2": 0,
        "additionalProp3": 0
      }
    }
  }
}
```

Example MessageBody

```
{
  "RequestId": "string",
```

```
"Message": "string"
}
```

Attributes

WriteSegmentRequest

Attribute	Type	Description
Dimensions	SegmentDimensions (p. 199)	The segment dimensions attributes.
Name	string	The name of segment
SegmentGroups	SegmentGroupList (p. 202)	A segment group, which consists of zero or more source segments, plus dimensions that are applied to those source segments. Your request can only include one segment group. Your request can include either a SegmentGroups object or a Dimensions object, but not both.

SegmentDimensions

Attribute	Type	Description
Attributes	object	Custom segment attributes.
Behavior	SegmentBehaviors (p. 200)	The segment behaviors attributes.
Demographic	SegmentDemographics (p. 200)	The segment demographics attributes.
Location	SegmentLocation (p. 201)	The segment location attributes.
Metrics	object	Custom segment metrics.
UserAttributes	object	Custom segment user attributes.

AttributeDimension

Attribute	Type	Description
AttributeType	string	The type of dimension: INCLUSIVE - Endpoints that match the criteria are included in the segment. EXCLUSIVE - Endpoints that match the criteria are excluded from the segment.
Values	array	The criteria values for the segment dimension. Endpoints with matching attribute values are included

Attribute	Type	Description
		or excluded from the segment, depending on the setting for Type.

SegmentBehaviors

Attribute	Type	Description
Recency	RecencyDimension (p. 200)	The recency of use.

RecencyDimension

Attribute	Type	Description
Duration	string	The length of time during which users have been active or inactive with your app. Valid values: HR_24, DAY_7, DAY_14, DAY_30
RecencyType	string	The recency dimension type: ACTIVE - Users who have used your app within the specified duration are included in the segment. INACTIVE - Users who have not used your app within the specified duration are included in the segment.

SegmentDemographics

Attribute	Type	Description
AppVersion	SetDimension (p. 201)	The app version criteria for the segment.
Channel	SetDimension (p. 201)	The channel criteria for the segment.
DeviceType	SetDimension (p. 201)	The device type criteria for the segment.
Make	SetDimension (p. 201)	The device make criteria for the segment.
Model	SetDimension (p. 201)	The device model criteria for the segment.
Platform	SetDimension (p. 201)	The device platform criteria for the segment.

SetDimension

Attribute	Type	Description
DimensionType	string	The type of dimension: INCLUSIVE - Endpoints that match the criteria are included in the segment. EXCLUSIVE - Endpoints that match the criteria are excluded from the segment.
Values	array	The criteria values for the segment dimension. Endpoints with matching attribute values are included or excluded from the segment, depending on the setting for Type.

SegmentLocation

Attribute	Type	Description
Country	SetDimension (p. 201)	The country or region, in ISO 3166-1 alpha-2 format.
GPSPoint	GPSPointDimension (p. 201)	The GPS Point dimension.

GPSPointDimension

Attribute	Type	Description
Coordinates	GPSCoordinates (p. 201)	Coordinate to measure distance from.
RangeInKilometers	number	Range in kilometers from the coordinate.

GPSCoordinates

Attribute	Type	Description
Latitude	number	Latitude
Longitude	number	Longitude

MetricDimension

Attribute	Type	Description
ComparisonOperator	string	The operator that you're using to compare metric values. Possible values: GREATER_THAN, LESS_THAN,

Attribute	Type	Description
		GREATER_THAN_OR_EQUAL, LESS_THAN_OR_EQUAL, or EQUAL
Value	number	Value to be compared.

SegmentGroupList

Attribute	Type	Description
Groups	array	A set of segment criteria to evaluate.
Include	string	Specify how to handle multiple segment groups. For example, if the segment includes three segment groups, should the resulting segment include endpoints that are matched by all, any, or none of the segment groups you created. Acceptable values: ALL, ANY, or NONE.

SegmentGroup

Attribute	Type	Description
Dimensions	array	List of dimensions to include or exclude.
SourceSegments	array	<p>The base segment that you build your segment on. The source segment defines the starting "universe" of endpoints. When you add dimensions to the segment, it filters the source segment based on the dimensions that you specify. You can specify more than one dimensional segment. You can only specify one imported segment.</p> <p>NOTE: If you specify an imported segment for this attribute, the segment size estimate that appears in the Amazon Pinpoint console shows the size of the imported segment, without any filters applied to it.</p>
SourceType	string	Specify how to handle multiple source segments. For example, if you specify three source segments, should the resulting segment be based on any or all of the segments? Acceptable values: ANY or ALL.

Attribute	Type	Description
Type	string	Specify how to handle multiple segment dimensions. For example, if you specify three dimensions, should the resulting segment include endpoints that are matched by all, any, or none of the dimensions? Acceptable values: ALL, ANY, or NONE.

SegmentReference

Attribute	Type	Description
Id	string	A unique identifier for the segment.
Version	integer	If specified contains a specific version of the segment included.

SegmentResponse

Attribute	Type	Description
ApplicationId	string	The ID of the application that the segment applies to.
CreationDate	string	The date and time when the segment was created.
Dimensions	SegmentDimensions (p. 199)	The segment dimensions attributes.
Id	string	The unique segment ID.
ImportDefinition	SegmentImportResource (p. 204)	The import job settings.
LastModifiedDate	string	The date and time when the segment was last modified.
Name	string	The name of the segment.
SegmentGroups	SegmentGroupList (p. 202)	A segment group, which consists of zero or more source segments, plus dimensions that are applied to those source segments.
SegmentType	string	The segment type: DIMENSIONAL - A dynamic segment built from selection criteria based on endpoint data reported by your app. You create this type of segment by using the segment builder in the Amazon Pinpoint console or by making a POST request to the segments resource. IMPORT - A static segment built from an imported set of endpoint definitions. You create

Attribute	Type	Description
		this type of segment by importing a segment in the Amazon Pinpoint console or by making a POST request to the jobs/import resource.
Version	integer	The segment version number.

SegmentImportResource

Attribute	Type	Description
ChannelCounts	object	The number of channel types in the imported segment.
ExternalId	string	(Deprecated) Your AWS account ID, which you assigned to the ExternalID key in an IAM trust policy. Used by Amazon Pinpoint to assume an IAM role. This requirement is removed, and external IDs are not recommended for IAM roles assumed by Amazon Pinpoint.
Format	string	The format of the endpoint files that were imported to create this segment. Valid values: CSV, JSON
RoleArn	string	The Amazon Resource Name (ARN) of an IAM role that grants Amazon Pinpoint access to the endpoints in Amazon S3.
S3Url	string	The URL of the S3 bucket that the segment was imported from.
Size	integer	The number of endpoints that were successfully imported to create this segment.

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

Segment Export Jobs

Use this resource to look up the jobs that export the endpoints that belong to a segment. You can use this resource to check the status of an in-progress export job, and you can access the history of your export jobs.

URI

/v1/apps/*application-id*/segments/*segment-id*/jobs/export

HTTP Methods

GET

Returns a list of export jobs for a specific segment.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string
segment-id	true	string

Query

Name	Required	Type
page-size	false	string
token	false	string

Response

Status Code	Schema
200	ExportJobsResponse (p. 206)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 208)	BadRequestException
403	MessageBody (p. 208)	ForbiddenException
404	MessageBody (p. 208)	NotFoundException
405	MessageBody (p. 208)	MethodNotAllowedException
429	MessageBody (p. 208)	TooManyRequestsException

Status Code	Schema	Error Type
500	MessageBody (p. 208)	InternalServerErrorException

Schemas

Response Schemas

Example ExportJobsResponse

```
{
  "Item": [
    {
      "ApplicationId": "string",
      "Id": "string",
      "JobStatus": "CREATED",
      "CompletedPieces": 0,
      "FailedPieces": 0,
      "TotalPieces": 0,
      "CreationDate": "string",
      "CompletionDate": "string",
      "Type": "string",
      "TotalFailures": 0,
      "TotalProcessed": 0,
      "Failures": [
        "string"
      ],
      "Definition": {
        "SegmentId": "string",
        "S3UrlPrefix": "string",
        "RoleArn": "string"
      }
    }
  ],
  "NextToken": "string"
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

ExportJobsResponse

Attribute	Type	Description
Item	array	A list of export jobs for the application.
NextToken	string	The string that you use in a subsequent request to get the next page of results in a paginated response.

ExportJobResponse

Attribute	Type	Description
ApplicationId	string	The unique ID of the application associated with the export job.
CompletedPieces	integer	The number of pieces that have successfully completed as of the time of the request.
CompletionDate	string	The date the job completed in ISO 8601 format.
CreationDate	string	The date the job was created in ISO 8601 format.
Definition	ExportJobResource (p. 207)	The export job settings.
FailedPieces	integer	The number of pieces that failed to be processed as of the time of the request.
Failures	array	Provides up to 100 of the first failed entries for the job, if any exist.
Id	string	The unique ID of the job.
JobStatus	string	The status of the job. Valid values: CREATED, INITIALIZING, PROCESSING, COMPLETING, COMPLETED, FAILING, FAILED The job status is FAILED if one or more pieces failed.
TotalFailures	integer	The number of endpoints that were not processed; for example, because of syntax errors.
TotalPieces	integer	The total number of pieces that must be processed to finish the job. Each piece is an approximately equal portion of the endpoints.
TotalProcessed	integer	The number of endpoints that were processed by the job.
Type	string	The job type. Will be 'EXPORT'.

ExportJobResource

Attribute	Type	Description
RoleArn	string	The Amazon Resource Name (ARN) of an IAM role that grants Amazon Pinpoint access to the Amazon S3 location that endpoints will be exported to.

Attribute	Type	Description
S3UrlPrefix	string	A URL that points to the location within an Amazon S3 bucket that will receive the export. The location is typically a folder with multiple files. The URL should follow this format: <code>s3://bucket-name/folder-name/</code> Amazon Pinpoint will export endpoints to this location.
SegmentId	string	The ID of the segment to export endpoints from. If not present, Amazon Pinpoint exports all of the endpoints that belong to the application.
SegmentVersion	integer	The version of the segment to export if specified.

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

Segment Import Jobs

Use this resource to look up import jobs that create audience segments. You can use this resource to check the status of an in-progress import job and access the history of your import jobs.

URI

`/v1/apps/application-id/segments/segment-id/jobs/import`

HTTP Methods

GET

Returns a list of import jobs for a specific segment.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string
segment-id	true	string

Query

Name	Required	Type
page-size	false	string
token	false	string

Response

Status Code	Schema
200	ImportJobsResponse (p. 210)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 212)	BadRequestException
403	MessageBody (p. 212)	ForbiddenException
404	MessageBody (p. 212)	NotFoundException
405	MessageBody (p. 212)	MethodNotAllowedException
429	MessageBody (p. 212)	TooManyRequestsException
500	MessageBody (p. 212)	InternalServerErrorException

Schemas

Response Schemas

Example ImportJobsResponse

```
{
  "Item": [
    {
      "ApplicationId": "string",
      "Id": "string",
      "JobStatus": "CREATED",
      "CompletedPieces": 0,
      "FailedPieces": 0,
    }
  ]
}
```

```
    "TotalPieces": 0,
    "CreationDate": "string",
    "CompletionDate": "string",
    "Type": "string",
    "TotalFailures": 0,
    "TotalProcessed": 0,
    "Failures": [
      "string"
    ],
    "Definition": {
      "S3Url": "string",
      "RoleArn": "string",
      "ExternalId": "string",
      "Format": "CSV",
      "RegisterEndpoints": true,
      "DefineSegment": true,
      "SegmentName": "string",
      "SegmentId": "string"
    }
  },
  "NextToken": "string"
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

ImportJobsResponse

Attribute	Type	Description
Item	array	A list of import jobs for the application.
NextToken	string	The string that you use in a subsequent request to get the next page of results in a paginated response.

ImportJobResponse

Attribute	Type	Description
ApplicationId	string	The unique ID of the application to which the import job applies.
CompletedPieces	integer	The number of pieces that have successfully imported as of the time of the request.
CompletionDate	string	The date the import job completed in ISO 8601 format.

Attribute	Type	Description
CreationDate	string	The date the import job was created in ISO 8601 format.
Definition	ImportJobResource (p. 211)	The import job settings.
FailedPieces	integer	The number of pieces that have failed to import as of the time of the request.
Failures	array	Provides up to 100 of the first failed entries for the job, if any exist.
Id	string	The unique ID of the import job.
JobStatus	string	The status of the import job. Valid values: CREATED, INITIALIZING, PROCESSING, COMPLETING, COMPLETED, FAILING, FAILED The job status is FAILED if one or more pieces failed to import.
TotalFailures	integer	The number of endpoints that failed to import; for example, because of syntax errors.
TotalPieces	integer	The total number of pieces that must be imported to finish the job. Each piece is an approximately equal portion of the endpoints to import.
TotalProcessed	integer	The number of endpoints that were processed by the import job.
Type	string	The job type. Will be Import.

ImportJobResource

Attribute	Type	Description
DefineSegment	boolean	Sets whether the endpoints create a segment when they are imported.
ExternalId	string	(Deprecated) Your AWS account ID, which you assigned to the ExternalID key in an IAM trust policy. Used by Amazon Pinpoint to assume an IAM role. This requirement is removed, and external IDs are not recommended for IAM roles assumed by Amazon Pinpoint.
Format	string	The format of the files that contain the endpoint definitions. Valid values: CSV, JSON

Attribute	Type	Description
RegisterEndpoints	boolean	Sets whether the endpoints are registered with Amazon Pinpoint when they are imported.
RoleArn	string	The Amazon Resource Name (ARN) of an IAM role that grants Amazon Pinpoint access to the Amazon S3 location that contains the endpoints to import.
S3Url	string	<p>The URL of the S3 bucket that contains the segment information to import. The location can be a folder or a single file. The URL should use the following format: <code>s3://bucket-name/folder-name/file-name</code></p> <p>Amazon Pinpoint imports endpoints from this location and any subfolders it contains.</p>
SegmentId	string	The ID of the segment to update if the import job is meant to update an existing segment.
SegmentName	string	A custom name for the segment created by the import job. Use if DefineSegment is true.

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

Segment Versions

Provides a list of versions for a specific segment.

URI

`/v1/apps/application-id/segments/segment-id/versions`

HTTP Methods

GET

Returns information about your segment versions.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string
segment-id	true	string

Query

Name	Required	Type
page-size	false	string
token	false	string

Response

Status Code	Schema
200	SegmentsResponse (p. 215)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 220)	BadRequestException
403	MessageBody (p. 220)	ForbiddenException
404	MessageBody (p. 220)	NotFoundException
405	MessageBody (p. 220)	MethodNotAllowedException
429	MessageBody (p. 220)	TooManyRequestsException
500	MessageBody (p. 220)	InternalServerErrorException

Schemas

Response Schemas

Example SegmentsResponse

```
{
```

```
"Item": [
  {
    "Name": "string",
    "Dimensions": {
      "Demographic": {
        "Channel": {
          "DimensionType": "INCLUSIVE",
          "Values": [
            "string"
          ]
        },
        "Platform": {
          "DimensionType": "INCLUSIVE",
          "Values": [
            "string"
          ]
        },
        "DeviceType": {
          "DimensionType": "INCLUSIVE",
          "Values": [
            "string"
          ]
        },
        "AppVersion": {
          "DimensionType": "INCLUSIVE",
          "Values": [
            "string"
          ]
        },
        "Make": {
          "DimensionType": "INCLUSIVE",
          "Values": [
            "string"
          ]
        },
        "Model": {
          "DimensionType": "INCLUSIVE",
          "Values": [
            "string"
          ]
        }
      },
      "Location": {
        "Country": {
          "DimensionType": "INCLUSIVE",
          "Values": [
            "string"
          ]
        },
        "GPSPoint": {
          "Coordinates": {
            "Latitude": 0,
            "Longitude": 0
          },
          "RangeInKilometers": 0
        }
      },
      "Behavior": {
        "Recency": {
          "RecencyType": "ACTIVE",
          "Duration": "HR_24"
        }
      },
      "Attributes": {},
      "Metrics": {},
      "UserAttributes": {}
    }
  }
]
```

```
    },
    "Id": "string",
    "ApplicationId": "string",
    "CreationDate": "string",
    "LastModifiedDate": "string",
    "Version": 0,
    "SegmentType": "DIMENSIONAL",
    "ImportDefinition": {
      "Size": 0,
      "S3Url": "string",
      "RoleArn": "string",
      "ExternalId": "string",
      "Format": "CSV",
      "ChannelCounts": {}
    }
  },
  "NextToken": "string"
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

SegmentsResponse

Attribute	Type	Description
Item	array	The list of segments.
NextToken	string	An identifier used to retrieve the next page of results. The token is null if no additional pages exist.

SegmentResponse

Attribute	Type	Description
ApplicationId	string	The ID of the application that the segment applies to.
CreationDate	string	The date and time when the segment was created.
Dimensions	SegmentDimensions (p. 216)	The segment dimensions attributes.
Id	string	The unique segment ID.
ImportDefinition	SegmentImportResource (p. 219)	The import job settings.
LastModifiedDate	string	The date and time when the segment was last modified.
Name	string	The name of the segment.

Attribute	Type	Description
SegmentGroups	SegmentGroupList (p. 219)	A segment group, which consists of zero or more source segments, plus dimensions that are applied to those source segments.
SegmentType	string	The segment type: DIMENSIONAL - A dynamic segment built from selection criteria based on endpoint data reported by your app. You create this type of segment by using the segment builder in the Amazon Pinpoint console or by making a POST request to the segments resource. IMPORT - A static segment built from an imported set of endpoint definitions. You create this type of segment by importing a segment in the Amazon Pinpoint console or by making a POST request to the jobs/import resource.
Version	integer	The segment version number.

SegmentDimensions

Attribute	Type	Description
Attributes	object	Custom segment attributes.
Behavior	SegmentBehaviors (p. 217)	The segment behaviors attributes.
Demographic	SegmentDemographics (p. 217)	The segment demographics attributes.
Location	SegmentLocation (p. 218)	The segment location attributes.
Metrics	object	Custom segment metrics.
UserAttributes	object	Custom segment user attributes.

AttributeDimension

Attribute	Type	Description
AttributeType	string	The type of dimension: INCLUSIVE - Endpoints that match the criteria are included in the segment. EXCLUSIVE - Endpoints that match the criteria are excluded from the segment.
Values	array	The criteria values for the segment dimension. Endpoints with matching

Attribute	Type	Description
		attribute values are included or excluded from the segment, depending on the setting for Type.

SegmentBehaviors

Attribute	Type	Description
Recency	RecencyDimension (p. 217)	The recency of use.

RecencyDimension

Attribute	Type	Description
Duration	string	The length of time during which users have been active or inactive with your app. Valid values: HR_24, DAY_7, DAY_14, DAY_30
RecencyType	string	The recency dimension type: ACTIVE - Users who have used your app within the specified duration are included in the segment. INACTIVE - Users who have not used your app within the specified duration are included in the segment.

SegmentDemographics

Attribute	Type	Description
AppVersion	SetDimension (p. 218)	The app version criteria for the segment.
Channel	SetDimension (p. 218)	The channel criteria for the segment.
DeviceType	SetDimension (p. 218)	The device type criteria for the segment.
Make	SetDimension (p. 218)	The device make criteria for the segment.
Model	SetDimension (p. 218)	The device model criteria for the segment.
Platform	SetDimension (p. 218)	The device platform criteria for the segment.

SetDimension

Attribute	Type	Description
DimensionType	string	The type of dimension: INCLUSIVE - Endpoints that match the criteria are included in the segment. EXCLUSIVE - Endpoints that match the criteria are excluded from the segment.
Values	array	The criteria values for the segment dimension. Endpoints with matching attribute values are included or excluded from the segment, depending on the setting for Type.

SegmentLocation

Attribute	Type	Description
Country	SetDimension (p. 218)	The country or region, in ISO 3166-1 alpha-2 format.
GPSPoint	GPSPointDimension (p. 218)	The GPS Point dimension.

GPSPointDimension

Attribute	Type	Description
Coordinates	GPSCoordinates (p. 218)	Coordinate to measure distance from.
RangeInKilometers	number	Range in kilometers from the coordinate.

GPSCoordinates

Attribute	Type	Description
Latitude	number	Latitude
Longitude	number	Longitude

MetricDimension

Attribute	Type	Description
ComparisonOperator	string	The operator that you're using to compare metric values. Possible values: GREATER_THAN, LESS_THAN,

Attribute	Type	Description
		GREATER_THAN_OR_EQUAL, LESS_THAN_OR_EQUAL, or EQUAL
Value	number	Value to be compared.

SegmentImportResource

Attribute	Type	Description
ChannelCounts	object	The number of channel types in the imported segment.
ExternalId	string	(Deprecated) Your AWS account ID, which you assigned to the ExternalID key in an IAM trust policy. Used by Amazon Pinpoint to assume an IAM role. This requirement is removed, and external IDs are not recommended for IAM roles assumed by Amazon Pinpoint.
Format	string	The format of the endpoint files that were imported to create this segment. Valid values: CSV, JSON
RoleArn	string	The Amazon Resource Name (ARN) of an IAM role that grants Amazon Pinpoint access to the endpoints in Amazon S3.
S3Url	string	The URL of the S3 bucket that the segment was imported from.
Size	integer	The number of endpoints that were successfully imported to create this segment.

SegmentGroupList

Attribute	Type	Description
Groups	array	A set of segment criteria to evaluate.
Include	string	Specify how to handle multiple segment groups. For example, if the segment includes three segment groups, should the resulting segment include endpoints that are matched by all, any, or none of the segment groups you created. Acceptable values: ALL, ANY, or NONE.

SegmentGroup

Attribute	Type	Description
Dimensions	array	List of dimensions to include or exclude.
SourceSegments	array	<p>The base segment that you build your segment on. The source segment defines the starting "universe" of endpoints. When you add dimensions to the segment, it filters the source segment based on the dimensions that you specify. You can specify more than one dimensional segment. You can only specify one imported segment.</p> <p>NOTE: If you specify an imported segment for this attribute, the segment size estimate that appears in the Amazon Pinpoint console shows the size of the imported segment, without any filters applied to it.</p>
SourceType	string	Specify how to handle multiple source segments. For example, if you specify three source segments, should the resulting segment be based on any or all of the segments? Acceptable values: ANY or ALL.
Type	string	Specify how to handle multiple segment dimensions. For example, if you specify three dimensions, should the resulting segment include endpoints that are matched by all, any, or none of the dimensions? Acceptable values: ALL, ANY, or NONE.

SegmentReference

Attribute	Type	Description
Id	string	A unique identifier for the segment.
Version	integer	If specified contains a specific version of the segment included.

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.

Attribute	Type	Description
RequestID	string	The unique message body ID.

Segment Version

Provides information about a specific segment version.

URI

/v1/apps/*application-id*/segments/*segment-id*/versions/*version*

HTTP Methods

GET

Returns information about a segment version.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string
segment-id	true	string
version	true	string

Response

Status Code	Schema
200	SegmentResponse (p. 225)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 230)	BadRequestException
403	MessageBody (p. 230)	ForbiddenException

Status Code	Schema	Error Type
404	MessageBody (p. 230)	NotFoundException
405	MessageBody (p. 230)	MethodNotAllowedException
429	MessageBody (p. 230)	TooManyRequestsException
500	MessageBody (p. 230)	InternalServerErrorException

Schemas

Response Schemas

Example SegmentResponse

```
{
  "Name": "string",
  "SegmentGroups": {
    "Include": "ALL|ANY|NONE",
    "Groups": [
      {
        "Type": "ALL|ANY|NONE",
        "Dimensions": [
          {
            "Demographic": {
              "Channel": {
                "DimensionType": "INCLUSIVE",
                "Values": [
                  "string"
                ]
              },
            "Platform": {
              "DimensionType": "INCLUSIVE",
              "Values": [
                "string"
              ]
            },
            "DeviceType": {
              "DimensionType": "INCLUSIVE",
              "Values": [
                "string"
              ]
            },
            "AppVersion": {
              "DimensionType": "INCLUSIVE",
              "Values": [
                "string"
              ]
            },
            "Make": {
              "DimensionType": "INCLUSIVE",
              "Values": [
                "string"
              ]
            },
            "Model": {
              "DimensionType": "INCLUSIVE",
              "Values": [
                "string"
              ]
            }
          }
        ]
      }
    ]
  }
}
```

```

    },
    "Location": {
      "Country": {
        "DimensionType": "INCLUSIVE",
        "Values": [
          "string"
        ]
      },
      "GPSPoint": {
        "Coordinates": {
          "Latitude": 0,
          "Longitude": 0
        },
        "RangeInKilometers": 0
      }
    },
    "Behavior": {
      "Recency": {
        "RecencyType": "ACTIVE",
        "Duration": "HR_24"
      }
    },
    "Attributes": {},
    "Metrics": {},
    "UserAttributes": {}
  }
],
"SourceType": "ALL|ANY",
"SourceSegments": [
  {
    "Id": "string",
    "Version": 0
  }
]
}
],
},
"Dimensions": {
  "Demographic": {
    "Channel": {
      "DimensionType": "INCLUSIVE",
      "Values": [
        "string"
      ]
    },
    "Platform": {
      "DimensionType": "INCLUSIVE",
      "Values": [
        "string"
      ]
    },
    "DeviceType": {
      "DimensionType": "INCLUSIVE",
      "Values": [
        "string"
      ]
    },
    "AppVersion": {
      "DimensionType": "INCLUSIVE",
      "Values": [
        "string"
      ]
    },
    "Make": {
      "DimensionType": "INCLUSIVE",

```

```

        "Values": [
            "string"
        ]
    },
    "Model": {
        "DimensionType": "INCLUSIVE",
        "Values": [
            "string"
        ]
    }
},
"Location": {
    "Country": {
        "DimensionType": "INCLUSIVE",
        "Values": [
            "string"
        ]
    }
},
"Behavior": {
    "Recency": {
        "RecencyType": "ACTIVE",
        "Duration": "HR_24"
    }
},
"Attributes": {
    "additionalProp1": {
        "AttributeType": "INCLUSIVE",
        "Values": [
            "string"
        ]
    },
    "additionalProp2": {
        "AttributeType": "INCLUSIVE",
        "Values": [
            "string"
        ]
    },
    "additionalProp3": {
        "AttributeType": "INCLUSIVE",
        "Values": [
            "string"
        ]
    }
},
"UserAttributes": {
    "additionalProp1": {
        "AttributeType": "INCLUSIVE",
        "Values": [
            "string"
        ]
    },
    "additionalProp2": {
        "AttributeType": "INCLUSIVE",
        "Values": [
            "string"
        ]
    },
    "additionalProp3": {
        "AttributeType": "INCLUSIVE",
        "Values": [
            "string"
        ]
    }
}
},
},

```

```
"Id": "string",
"ApplicationId": "string",
"CreationDate": "string",
"LastModifiedDate": "string",
"Version": 0,
"SegmentType": "DIMENSIONAL",
"ImportDefinition": {
  "Size": 0,
  "S3Url": "string",
  "RoleArn": "string",
  "ExternalId": "string",
  "Format": "CSV",
  "ChannelCounts": {
    "additionalProp1": 0,
    "additionalProp2": 0,
    "additionalProp3": 0
  }
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

SegmentResponse

Attribute	Type	Description
ApplicationId	string	The ID of the application that the segment applies to.
CreationDate	string	The date and time when the segment was created.
Dimensions	SegmentDimensions (p. 226)	The segment dimensions attributes.
Id	string	The unique segment ID.
ImportDefinition	SegmentImportResource (p. 228)	The import job settings.
LastModifiedDate	string	The date and time when the segment was last modified.
Name	string	The name of the segment.
SegmentGroups	SegmentGroupList (p. 229)	A segment group, which consists of zero or more source segments, plus dimensions that are applied to those source segments.
SegmentType	string	The segment type: DIMENSIONAL - A dynamic segment built from selection criteria based on endpoint data reported by your app. You create this type of segment by using

Attribute	Type	Description
		the segment builder in the Amazon Pinpoint console or by making a POST request to the segments resource. IMPORT - A static segment built from an imported set of endpoint definitions. You create this type of segment by importing a segment in the Amazon Pinpoint console or by making a POST request to the jobs/import resource.
Version	integer	The segment version number.

SegmentDimensions

Attribute	Type	Description
Attributes	object	Custom segment attributes.
Behavior	SegmentBehaviors (p. 226)	The segment behaviors attributes.
Demographic	SegmentDemographics (p. 227)	The segment demographics attributes.
Location	SegmentLocation (p. 228)	The segment location attributes.
Metrics	object	Custom segment metrics.
UserAttributes	object	Custom segment user attributes.

AttributeDimension

Attribute	Type	Description
AttributeType	string	The type of dimension: INCLUSIVE - Endpoints that match the criteria are included in the segment. EXCLUSIVE - Endpoints that match the criteria are excluded from the segment.
Values	array	The criteria values for the segment dimension. Endpoints with matching attribute values are included or excluded from the segment, depending on the setting for Type.

SegmentBehaviors

Attribute	Type	Description
Recency	RecencyDimension (p. 227)	The recency of use.

RecencyDimension

Attribute	Type	Description
Duration	string	The length of time during which users have been active or inactive with your app. Valid values: HR_24, DAY_7, DAY_14, DAY_30
RecencyType	string	The recency dimension type: ACTIVE - Users who have used your app within the specified duration are included in the segment. INACTIVE - Users who have not used your app within the specified duration are included in the segment.

SegmentDemographics

Attribute	Type	Description
AppVersion	SetDimension (p. 227)	The app version criteria for the segment.
Channel	SetDimension (p. 227)	The channel criteria for the segment.
DeviceType	SetDimension (p. 227)	The device type criteria for the segment.
Make	SetDimension (p. 227)	The device make criteria for the segment.
Model	SetDimension (p. 227)	The device model criteria for the segment.
Platform	SetDimension (p. 227)	The device platform criteria for the segment.

SetDimension

Attribute	Type	Description
DimensionType	string	The type of dimension: INCLUSIVE - Endpoints that match the criteria are included in the segment. EXCLUSIVE - Endpoints that match the criteria are excluded from the segment.

Attribute	Type	Description
Values	array	The criteria values for the segment dimension. Endpoints with matching attribute values are included or excluded from the segment, depending on the setting for Type.

SegmentLocation

Attribute	Type	Description
Country	SetDimension (p. 227)	The country or region, in ISO 3166-1 alpha-2 format.
GPSPoint	GPSPointDimension (p. 228)	The GPS Point dimension.

GPSPointDimension

Attribute	Type	Description
Coordinates	GPSCoordinates (p. 228)	Coordinate to measure distance from.
RangeInKilometers	number	Range in kilometers from the coordinate.

GPSCoordinates

Attribute	Type	Description
Latitude	number	Latitude
Longitude	number	Longitude

MetricDimension

Attribute	Type	Description
ComparisonOperator	string	The operator that you're using to compare metric values. Possible values: GREATER_THAN, LESS_THAN, GREATER_THAN_OR_EQUAL, LESS_THAN_OR_EQUAL, or EQUAL
Value	number	Value to be compared.

SegmentImportResource

Attribute	Type	Description
ChannelCounts	object	The number of channel types in the imported segment.

Attribute	Type	Description
ExternalId	string	(Deprecated) Your AWS account ID, which you assigned to the ExternalID key in an IAM trust policy. Used by Amazon Pinpoint to assume an IAM role. This requirement is removed, and external IDs are not recommended for IAM roles assumed by Amazon Pinpoint.
Format	string	The format of the endpoint files that were imported to create this segment. Valid values: CSV, JSON
RoleArn	string	The Amazon Resource Name (ARN) of an IAM role that grants Amazon Pinpoint access to the endpoints in Amazon S3.
S3Url	string	The URL of the S3 bucket that the segment was imported from.
Size	integer	The number of endpoints that were successfully imported to create this segment.

SegmentGroupList

Attribute	Type	Description
Groups	array	A set of segment criteria to evaluate.
Include	string	Specify how to handle multiple segment groups. For example, if the segment includes three segment groups, should the resulting segment include endpoints that are matched by all, any, or none of the segment groups you created. Acceptable values: ALL, ANY, or NONE.

SegmentGroup

Attribute	Type	Description
Dimensions	array	List of dimensions to include or exclude.
SourceSegments	array	The base segment that you build your segment on. The source segment defines the starting "universe" of endpoints. When you add dimensions to the segment, it filters the source segment based on the dimensions that you specify.

Attribute	Type	Description
		<p>You can specify more than one dimensional segment. You can only specify one imported segment.</p> <p>NOTE: If you specify an imported segment for this attribute, the segment size estimate that appears in the Amazon Pinpoint console shows the size of the imported segment, without any filters applied to it.</p>
SourceType	string	Specify how to handle multiple source segments. For example, if you specify three source segments, should the resulting segment be based on any or all of the segments? Acceptable values: ANY or ALL.
Type	string	Specify how to handle multiple segment dimensions. For example, if you specify three dimensions, should the resulting segment include endpoints that are matched by all, any, or none of the dimensions? Acceptable values: ALL, ANY, or NONE.

SegmentReference

Attribute	Type	Description
Id	string	A unique identifier for the segment.
Version	integer	If specified contains a specific version of the segment included.

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

Settings

The default settings for an app in Amazon Pinpoint. You can use this resource to look up and update the settings for an app.

URI

/v1/apps/*application-id*/settings

HTTP Methods

GET

Used to request the settings for an app.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	ApplicationSettingsResource (p. 235)

PUT

Used to update the settings for an app.

Body

Name	Required	Type
WriteApplicationSettingsRequest	true	WriteApplicationSettingsRequest (p. 233)

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	ApplicationSettingsResource (p. 235)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 236)	BadRequestException
403	MessageBody (p. 236)	ForbiddenException
404	MessageBody (p. 236)	NotFoundException
405	MessageBody (p. 236)	MethodNotAllowedException
429	MessageBody (p. 236)	TooManyRequestsException
500	MessageBody (p. 236)	InternalServerErrorException

Schemas

Request Schemas

Example WriteApplicationSettingsRequest

```
{
  "QuietTime": {
    "Start": "string",
    "End": "string"
  },
  "Limits": {
    "Daily": 0,
    "Total": 0,
    "MessagesPerSecond": 0,
    "MaximumDuration": 0
  },
  "CampaignHook": {
    "LambdaFunctionName": "string",
    "WebUrl": "string",
    "Mode": "DELIVERY"
  }
}
```

Response Schemas

Example ApplicationSettingsResource

```
{
  "ApplicationId": "string",
  "LastModifiedDate": "string",
  "QuietTime": {
```

```
"Start": "string",
"End": "string"
},
"Limits": {
  "Daily": 0,
  "Total": 0,
  "MessagesPerSecond": 0,
  "MaximumDuration": 0
},
"CampaignHook": {
  "LambdaFunctionName": "string",
  "WebUrl": "string",
  "Mode": "DELIVERY"
}
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

WriteApplicationSettingsRequest

Attribute	Type	Description
CampaignHook	CampaignHook (p. 234)	Default campaign hook information.
CloudWatchMetricsEnabled	boolean	The CloudWatchMetrics settings for the app.
Limits	CampaignLimits (p. 234)	The limits that apply to each campaign in the project by default. Campaigns can also have their own limits, which override the settings at the project level.
QuietTime	QuietTime (p. 235)	<p>The default quiet time for the app. Campaigns in the app don't send messages to endpoints during the quiet time.</p> <p>Note: Make sure that your endpoints include the Demographics.Timezone attribute if you plan to enable a quiet time for your app. If your endpoints don't include this attribute, they'll receive the messages that you send them, even if quiet time is enabled.</p> <p>When you set up an app to use quiet time, campaigns in that app don't send messages during the time range you specified, as long as all of the following are</p>

Attribute	Type	Description
		<p>true: - The endpoint includes a valid <code>Demographic.Timezone</code> attribute. - The current time in the endpoint's time zone is later than or equal to the time specified in the <code>QuietTime.Start</code> attribute for the app (or campaign, if applicable). - The current time in the endpoint's time zone is earlier than or equal to the time specified in the <code>QuietTime.End</code> attribute for the app (or campaign, if applicable).</p> <p>Individual campaigns within the app can have their own quiet time settings, which override the quiet time settings at the app level.</p>

CampaignHook

Attribute	Type	Description
<code>LambdaFunctionName</code>	string	Lambda function name or arn to be called for delivery
<code>Mode</code>	string	What mode Lambda should be invoked in.
<code>WebUrl</code>	string	Web URL to call for hook. If the URL has authentication specified it will be added as authentication to the request

CampaignLimits

Attribute	Type	Description
<code>Daily</code>	integer	The maximum number of messages that each campaign can send to a single endpoint in a 24-hour period.
<code>MaximumDuration</code>	integer	The length of time (in seconds) that the campaign can run before it ends and message deliveries stop. This duration begins at the scheduled start time for the campaign. The minimum value is 60.
<code>MessagesPerSecond</code>	integer	The number of messages that the campaign can send per second. The minimum value is 50, and the maximum is 20000.
<code>Total</code>	integer	The maximum number of messages that an individual campaign can

Attribute	Type	Description
		send to a single endpoint over the course of the campaign.

QuietTime

Attribute	Type	Description
End	string	The time at which quiet time should end. The value that you specify has to be in HH:mm format, where HH is the hour in 24-hour format (with a leading zero, if applicable), and mm is the minutes. For example, use 02:30 to represent 2:30 AM, or 14:30 to represent 2:30 PM.
Start	string	The time at which quiet time should begin. The value that you specify has to be in HH:mm format, where HH is the hour in 24-hour format (with a leading zero, if applicable), and mm is the minutes. For example, use 02:30 to represent 2:30 AM, or 14:30 to represent 2:30 PM.

ApplicationSettingsResource

Attribute	Type	Description
ApplicationId	string	The unique ID for the application.
CampaignHook	CampaignHook (p. 234)	Default campaign hook.
LastModifiedDate	string	The date that the settings were last updated in ISO 8601 format.
Limits	CampaignLimits (p. 234)	The default campaign limits for the app. These limits apply to each campaign for the app, unless the campaign overrides the default with limits of its own.
QuietTime	QuietTime (p. 235)	<p>The default quiet time for the app. Campaigns in the app don't send messages to endpoints during the quiet time.</p> <p>Note: Make sure that your endpoints include the Demographics.Timezone attribute if you plan to enable a quiet time for your app. If your endpoints don't include this attribute, they'll receive the</p>

Attribute	Type	Description
		<p>messages that you send them, even if quiet time is enabled.</p> <p>When you set up an app to use quiet time, campaigns in that app don't send messages during the time range you specified, as long as all of the following are true: - The endpoint includes a valid <code>Demographic.Timezone</code> attribute. - The current time in the endpoint's time zone is later than or equal to the time specified in the <code>QuietTime.Start</code> attribute for the app (or campaign, if applicable). - The current time in the endpoint's time zone is earlier than or equal to the time specified in the <code>QuietTime.End</code> attribute for the app (or campaign, if applicable).</p> <p>Individual campaigns within the app can have their own quiet time settings, which override the quiet time settings at the app level.</p>

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestID	string	The unique message body ID.

Users Messages

Use this resource to message a list of users. Amazon Pinpoint sends the message to all of the endpoints that are associated with each user.

A user represents an individual who is assigned a unique user ID, and this ID is assigned to one or more endpoints. For example, if an individual uses your app on multiple devices, your app could assign that person's user ID to the endpoint for each device.

With the `users-messages` resource, you specify the message recipients as user IDs. For each user ID, Amazon Pinpoint delivers the message to all of the user's endpoints. Within the body of your request, you can specify a default message, and you can tailor your message for different channels, including those for mobile push and SMS.

With this resource, you send a direct message, which is a one time message that you send to a limited audience without creating a campaign. You can send the message to up to 100 users per request. You can't use the message to engage a segment. When you send the message, Amazon Pinpoint delivers it immediately, and you can't schedule the delivery. To engage a user segment, and to schedule the message delivery, create a campaign instead of using the `users-messages` resource.

URI

/v1/apps/*application-id*/users-messages

HTTP Methods

POST

Used to send a message to a list of users.

Body

Name	Required	Type
SendUsersMessageRequest	true	SendUsersMessageRequest (p. 240)

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string

Response

Status Code	Schema
200	SendUsersMessageResponse (p. 252)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 254)	BadRequestException
403	MessageBody (p. 254)	ForbiddenException
404	MessageBody (p. 254)	NotFoundException
405	MessageBody (p. 254)	MethodNotAllowedException
429	MessageBody (p. 254)	TooManyRequestsException
500	MessageBody (p. 254)	InternalServerErrorException

Schemas

Request Schemas

Example SendUsersMessageRequest

```
{
  "Context": {},
  "MessageConfiguration": {
    "DefaultMessage": {
      "Body": "string",
      "Substitutions": {}
    },
    "DefaultPushNotificationMessage": {
      "Body": "string",
      "Substitutions": {},
      "Title": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "SilentPush": true,
      "Data": {}
    },
    "APNSMessage": {
      "Body": "string",
      "Substitutions": {},
      "Title": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "SilentPush": true,
      "Data": {},
      "MediaUrl": "string",
      "Sound": "string",
      "Badge": 0,
      "Category": "string",
      "ThreadId": "string",
      "RawContent": "string",
      "PreferredAuthenticationMethod": "string",
      "TimeToLive": 0,
      "Priority": "string",
      "CollapseId": "string"
    },
    "GCMMessage": {
      "Body": "string",
      "Substitutions": {},
      "Title": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "SilentPush": true,
      "Data": {},
      "IconReference": "string",
      "Sound": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "SmallImageIconUrl": "string",
      "RawContent": "string",
      "CollapseKey": "string",
      "RestrictedPackageName": "string",
      "TimeToLive": 0,
      "Priority": "string"
    },
    "BaiduMessage": {
      "Body": "string",
      "Substitutions": {}
    }
  }
}
```

```
    "Title": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "Data": {},
    "IconReference": "string",
    "Sound": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "SmallImageIconUrl": "string",
    "RawContent": "string",
    "TimeToLive": 0
  },
  "ADMMMessage": {
    "Body": "string",
    "Substitutions": {},
    "Title": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "SilentPush": true,
    "Data": {},
    "IconReference": "string",
    "Sound": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "SmallImageIconUrl": "string",
    "RawContent": "string",
    "ConsolidationKey": "string",
    "ExpiresAfter": "string",
    "MD5": "string"
  },
  "SMSMessage": {
    "Body": "string",
    "Substitutions": {},
    "SenderId": "string",
    "MessageType": "TRANSACTIONAL",
    "Keyword": "string",
    "OriginationNumber": "string"
  }
},
"Users": {}
}
```

Response Schemas

Example SendUsersMessageResponse

```
{
  "RequestId": "string",
  "ApplicationId": "string",
  "Result": {}
}
```

Example MessageBody

```
{
  "RequestID": "string",
  "Message": "string"
}
```

Attributes

SendUsersMessageRequest

Attribute	Type	Description
Context	object	A map of custom attribute-value pairs. Amazon Pinpoint adds these attributes to the data.pinpoint object in the body of the push notification payload. Amazon Pinpoint also provides these attributes in the events that it generates for users-messages deliveries.
MessageConfiguration	DirectMessageConfiguration (p. 240)	Message definitions for the default message and any messages that are tailored for specific channels.
TraceId	string	A unique ID that you can use to trace a message. This ID is visible to recipients.
Users	object	A map that associates user IDs with EndpointSendConfiguration objects. Within an EndpointSendConfiguration object, you can tailor the message for a user by specifying message overrides or substitutions.

DirectMessageConfiguration

Attribute	Type	Description
ADMMMessage	ADMMMessage (p. 241)	The message to ADM channels. Overrides the default push notification message.
APNSMessage	APNSMessage (p. 242)	The message to APNS channels. Overrides the default push notification message.
BaiduMessage	BaiduMessage (p. 245)	The message to Baidu GCM channels. Overrides the default push notification message.
DefaultMessage	DefaultMessage (p. 247)	The default message for all channels.
DefaultPushNotificationMessage	DefaultPushNotificationMessage (p. 247)	The default push notification message for all push channels.
EmailMessage	EmailMessage (p. 248)	The message to Email channels. Overrides the default message.

Attribute	Type	Description
GCMMessage	GCMMessage (p. 249)	The message to GCM channels. Overrides the default push notification message.
SMSMessage	SMSMessage (p. 251)	The message to SMS channels. Overrides the default message.

ADMMessage

Attribute	Type	Description
Action	string	The action that occurs if the user taps a push notification delivered by the campaign: OPEN_APP - Your app launches, or it becomes the foreground app if it has been sent to the background. This is the default action. DEEP_LINK - Uses deep linking features in iOS and Android to open your app and display a designated user interface within the app. URL - The default mobile browser on the user's device launches and opens a web page at the URL you specify. Possible values include: OPEN_APP DEEP_LINK URL
Body	string	The message body of the notification.
ConsolidationKey	string	Optional. Arbitrary string used to indicate multiple messages are logically the same and that ADM is allowed to drop previously enqueued messages in favor of this one.
Data	object	The data payload used for a silent push. This payload is added to the notifications' data.pinpoint.jsonBody' object
ExpiresAfter	string	Optional. Number of seconds ADM should retain the message if the device is offline
IconReference	string	The icon image name of the asset saved in your application.
ImageIconUrl	string	The URL that points to an image used as the large icon to the notification content view.
ImageUrl	string	The URL that points to an image used in the push notification.

Attribute	Type	Description
MD5	string	Optional. Base-64-encoded MD5 checksum of the data parameter. Used to verify data integrity
RawContent	string	The Raw JSON formatted string to be used as the payload. This value overrides the message.
SilentPush	boolean	Indicates if the message should display on the users device. Silent pushes can be used for Remote Configuration and Phone Home use cases.
SmallImageUrl	string	The URL that points to an image used as the small icon for the notification which will be used to represent the notification in the status bar and content view
Sound	string	Indicates a sound to play when the device receives the notification. Supports default, or the filename of a sound resource bundled in the app. Android sound files must reside in /res/raw/
Substitutions	object	Default message substitutions. Can be overridden by individual address substitutions.
Title	string	The message title that displays above the message on the user's device.
Url	string	The URL to open in the user's mobile browser. Used if the value for Action is URL.

APNSMessage

Attribute	Type	Description
Action	string	The action that occurs if the user taps a push notification delivered by the campaign: OPEN_APP - Your app launches, or it becomes the foreground app if it has been sent to the background. This is the default action. DEEP_LINK - Uses deep linking features in iOS and Android to open your app and display a designated user interface within the app. URL - The default mobile browser on the user's device launches and opens a web page at

Attribute	Type	Description
		the URL you specify. Possible values include: OPEN_APP DEEP_LINK URL
Badge	integer	Include this key when you want the system to modify the badge of your app icon. If this key is not included in the dictionary, the badge is not changed. To remove the badge, set the value of this key to 0.
Body	string	The message body of the notification.
Category	string	Provide this key with a string value that represents the notification's type. This value corresponds to the value in the identifier property of one of your app's registered categories.
CollapseId	string	An ID that, if assigned to multiple messages, causes APNs to coalesce the messages into a single push notification instead of delivering each message individually. The value must not exceed 64 bytes. Amazon Pinpoint uses this value to set the apns-collapse-id request header when it sends the message to APNs.
Data	object	The data payload used for a silent push. This payload is added to the notifications' data.pinpoint.jsonBody' object
MediaUrl	string	A URL that refers to the location of an image or video that you want to display in the push notification.
PreferredAuthenticationMethod	string	The preferred authentication method, either "CERTIFICATE" or "TOKEN"

Attribute	Type	Description
Priority	string	<p>The message priority. Amazon Pinpoint uses this value to set the apns-priority request header when it sends the message to APNs. Accepts the following values:</p> <p>"5" - Low priority. Messages might be delayed, delivered in groups, and throttled.</p> <p>"10" - High priority. Messages are sent immediately. High priority messages must cause an alert, sound, or badge on the receiving device.</p> <p>The default value is "10".</p> <p>The equivalent values for FCM or GCM messages are "normal" and "high". Amazon Pinpoint accepts these values for APNs messages and converts them.</p> <p>For more information about the apns-priority parameter, see Communicating with APNs in the APNs Local and Remote Notification Programming Guide.</p>
RawContent	string	<p>The Raw JSON formatted string to be used as the payload. This value overrides the message.</p>
SilentPush	boolean	<p>Indicates if the message should display on the users device. Silent pushes can be used for Remote Configuration and Phone Home use cases.</p>
Sound	string	<p>Include this key when you want the system to play a sound. The value of this key is the name of a sound file in your app's main bundle or in the Library/Sounds folder of your app's data container. If the sound file cannot be found, or if you specify defaultfor the value, the system plays the default alert sound.</p>
Substitutions	object	<p>Default message substitutions. Can be overridden by individual address substitutions.</p>

Attribute	Type	Description
ThreadId	string	Provide this key with a string value that represents the app-specific identifier for grouping notifications. If you provide a Notification Content app extension, you can use this value to group your notifications together.
TimeToLive	integer	The length of time (in seconds) that APNs stores and attempts to deliver the message. If the value is 0, APNs does not store the message or attempt to deliver it more than once. Amazon Pinpoint uses this value to set the apns-expiration request header when it sends the message to APNs.
Title	string	The message title that displays above the message on the user's device.
Url	string	The URL to open in the user's mobile browser. Used if the value for Action is URL.

BaiduMessage

Attribute	Type	Description
Action	string	The action that occurs if the user taps a push notification delivered by the campaign: OPEN_APP - Your app launches, or it becomes the foreground app if it has been sent to the background. This is the default action. DEEP_LINK - Uses deep linking features in iOS and Android to open your app and display a designated user interface within the app. URL - The default mobile browser on the user's device launches and opens a web page at the URL you specify. Possible values include: OPEN_APP DEEP_LINK URL
Body	string	The message body of the notification.
Data	object	The data payload used for a silent push. This payload is added to the notifications' data.pinpoint.jsonBody' object

Attribute	Type	Description
IconReference	string	The icon image name of the asset saved in your application.
ImageIconUrl	string	The URL that points to an image used as the large icon to the notification content view.
ImageUrl	string	The URL that points to an image used in the push notification.
RawContent	string	The Raw JSON formatted string to be used as the payload. This value overrides the message.
SilentPush	boolean	Indicates if the message should display on the users device. Silent pushes can be used for Remote Configuration and Phone Home use cases.
SmallImageIconUrl	string	The URL that points to an image used as the small icon for the notification which will be used to represent the notification in the status bar and content view
Sound	string	Indicates a sound to play when the device receives the notification. Supports default, or the filename of a sound resource bundled in the app. Android sound files must reside in /res/raw/
Substitutions	object	Default message substitutions. Can be overridden by individual address substitutions.
TimeToLive	integer	This parameter specifies how long (in seconds) the message should be kept in Baidu storage if the device is offline. The and the default value and the maximum time to live supported is 7 days (604800 seconds)
Title	string	The message title that displays above the message on the user's device.
Url	string	The URL to open in the user's mobile browser. Used if the value for Action is URL.

DefaultMessage

Attribute	Type	Description
Body	string	The message body of the notification, the email body or the text message.
Substitutions	object	Default message substitutions. Can be overridden by individual address substitutions.

DefaultPushNotificationMessage

Attribute	Type	Description
Action	string	The action that occurs if the user taps a push notification delivered by the campaign: OPEN_APP - Your app launches, or it becomes the foreground app if it has been sent to the background. This is the default action. DEEP_LINK - Uses deep linking features in iOS and Android to open your app and display a designated user interface within the app. URL - The default mobile browser on the user's device launches and opens a web page at the URL you specify. Possible values include: OPEN_APP DEEP_LINK URL
Body	string	The message body of the notification.
Data	object	The data payload used for a silent push. This payload is added to the notifications' data.pinpoint.jsonBody' object
SilentPush	boolean	Indicates if the message should display on the recipient's device. You can use silent pushes for remote configuration or to deliver messages to in-app notification centers.
Substitutions	object	Default message substitutions. Can be overridden by individual address substitutions.
Title	string	The message title that displays above the message on the user's device.
Url	string	The URL to open in the user's mobile browser. Used if the value for Action is URL.

EmailMessage

Attribute	Type	Description
Body	string	The body of the email message.
FeedbackForwardingAddress	string	The email address that bounces and complaints will be forwarded to when feedback forwarding is enabled.
FromAddress	string	The email address used to send the email from. Defaults to use FromAddress specified in the Email Channel.
RawEmail	RawEmail (p. 248)	An email represented as a raw MIME message.
ReplyToAddresses	array	The reply-to email address(es) for the email. If the recipient replies to the email, each reply-to address will receive the reply.
SimpleEmail	SimpleEmail (p. 248)	An email composed of a subject, a text part and a html part.
Substitutions	object	Default message substitutions. Can be overridden by individual address substitutions.

RawEmail

Attribute	Type	Description
Data	array	The raw data of the email.

SimpleEmail

Attribute	Type	Description
HtmlPart	SimpleEmailPart (p. 249)	The content of the message, in HTML format. Use this for email clients that can process HTML. You can include clickable links, formatted text, and much more in an HTML message.
Subject	SimpleEmailPart (p. 249)	The subject of the message: A short summary of the content, which will appear in the recipient's inbox.
TextPart	SimpleEmailPart (p. 249)	The content of the message, in text format. Use this for text-based email clients, or clients on high-latency networks (such as mobile devices).

SimpleEmailPart

Attribute	Type	Description
Charset	string	The character set of the content.
Data	string	The textual data of the content.

GCMMessage

Attribute	Type	Description
Action	string	The action that occurs if the user taps a push notification delivered by the campaign: OPEN_APP - Your app launches, or it becomes the foreground app if it has been sent to the background. This is the default action. DEEP_LINK - Uses deep linking features in iOS and Android to open your app and display a designated user interface within the app. URL - The default mobile browser on the user's device launches and opens a web page at the URL you specify. Possible values include: OPEN_APP DEEP_LINK URL
Body	string	The message body of the notification.
CollapseKey	string	This parameter identifies a group of messages (e.g., with collapse_key: "Updates Available") that can be collapsed, so that only the last message gets sent when delivery can be resumed. This is intended to avoid sending too many of the same messages when the device comes back online or becomes active.
Data	object	The data payload used for a silent push. This payload is added to the notifications' data.pinpoint.jsonBody' object
IconReference	string	The icon image name of the asset saved in your application.
ImageIconUrl	string	The URL that points to an image used as the large icon to the notification content view.
ImageUrl	string	The URL that points to an image used in the push notification.

Attribute	Type	Description
Priority	string	<p>The message priority. Amazon Pinpoint uses this value to set the FCM or GCM priority parameter when it sends the message. Accepts the following values:</p> <p>"Normal" - Messages might be delayed. Delivery is optimized for battery usage on the receiving device. Use normal priority unless immediate delivery is required.</p> <p>"High" - Messages are sent immediately and might wake a sleeping device.</p> <p>The equivalent values for APNs messages are "5" and "10". Amazon Pinpoint accepts these values here and converts them.</p> <p>For more information, see About FCM Messages in the Firebase documentation.</p>
RawContent	string	The Raw JSON formatted string to be used as the payload. This value overrides the message.
RestrictedPackageName	string	This parameter specifies the package name of the application where the registration tokens must match in order to receive the message.
SilentPush	boolean	Indicates if the message should display on the users device. Silent pushes can be used for Remote Configuration and Phone Home use cases.
SmallImageIconUrl	string	The URL that points to an image used as the small icon for the notification which will be used to represent the notification in the status bar and content view
Sound	string	Indicates a sound to play when the device receives the notification. Supports default, or the filename of a sound resource bundled in the app. Android sound files must reside in /res/raw/

Attribute	Type	Description
Substitutions	object	Default message substitutions. Can be overridden by individual address substitutions.
TimeToLive	integer	The length of time (in seconds) that FCM or GCM stores and attempts to deliver the message. If unspecified, the value defaults to the maximum, which is 2,419,200 seconds (28 days). Amazon Pinpoint uses this value to set the FCM or GCM time_to_live parameter.
Title	string	The message title that displays above the message on the user's device.
Url	string	The URL to open in the user's mobile browser. Used if the value for Action is URL.

SMSMessage

Attribute	Type	Description
Body	string	The body of the SMS message.
Keyword	string	The SMS program name that you provided to AWS Support when you requested your dedicated number.
MessageType	string	Is this a transaction priority message or lower priority.
OriginationNumber	string	The phone number that the SMS message originates from. Specify one of the dedicated long codes or short codes that you requested from AWS Support and that is assigned to your account. If this attribute is not specified, Amazon Pinpoint randomly assigns a long code.
SenderId	string	The sender ID that is shown as the message sender on the recipient's device. Support for sender IDs varies by country or region.
Substitutions	object	Default message substitutions. Can be overridden by individual address substitutions.

EndpointSendConfiguration

Attribute	Type	Description
BodyOverride	string	Body override. If specified will override default body.
Context	object	A map of custom attributes to attributes to be attached to the message for this address. This payload is added to the push notification's 'data.pinpoint' object or added to the email/sms delivery receipt event attributes.
RawContent	string	The Raw JSON formatted string to be used as the payload. This value overrides the message.
Substitutions	object	A map of substitution values for the message to be merged with the DefaultMessage's substitutions. Substitutions on this map take precedence over the all other substitutions.
TitleOverride	string	Title override. If specified will override default title if applicable.

SendUsersMessageResponse

Attribute	Type	Description
ApplicationId	string	The unique ID of the Amazon Pinpoint project used to send the message.
RequestId	string	The unique ID assigned to the users-messages request.
Result	object	An object that shows the endpoints that were messaged for each user. The object provides a list of user IDs. For each user ID, it provides the endpoint IDs that were messaged. For each endpoint ID, it provides an EndpointMessageResult object.

EndpointMessageResult

Attribute	Type	Description
Address	string	Address that endpoint message was delivered to.
DeliveryStatus	string	The delivery status of the message. Possible values:

Attribute	Type	Description
		<p>SUCCESS - The message was successfully delivered to the endpoint.</p> <p>TRANSIENT_FAILURE - A temporary error occurred. Amazon Pinpoint will attempt to deliver the message again later.</p> <p>FAILURE_PERMANENT - An error occurred when delivering the message to the endpoint. Amazon Pinpoint won't attempt to send the message again.</p> <p>TIMEOUT - The message couldn't be sent within the timeout period.</p> <p>QUIET_TIME - The local time for the endpoint was within the QuietTime for the campaign or app.</p> <p>DAILY_CAP - The endpoint has received the maximum number of messages it can receive within a 24-hour period.</p> <p>HOLDOUT - The endpoint was in a hold out treatment for the campaign.</p> <p>THROTTLED - Amazon Pinpoint throttled sending to this endpoint.</p> <p>EXPIRED - The endpoint address is expired.</p> <p>CAMPAIGN_CAP - The endpoint received the maximum number of messages allowed by the campaign.</p> <p>SERVICE_FAILURE - A service-level failure prevented Amazon Pinpoint from delivering the message.</p> <p>UNKNOWN - An unknown error occurred.</p>
MessageId	string	Unique message identifier associated with the message that was sent.
StatusCode	integer	Downstream service status code.
StatusMessage	string	Status message for message delivery.

Attribute	Type	Description
UpdatedToken	string	If token was updated as part of delivery. (This is GCM Specific)

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.

User

A user is an individual who has a unique user ID. This ID can be associated with zero or more endpoints. For example, if a person uses your app on more than one device, your app could associate that person's user ID with the endpoint for each of those devices.

Use this resource to list all of the endpoints associated with a user ID, or to delete all of the endpoints that are associated with a user ID.

URI

/v1/apps/*application-id*/users/*user-id*

HTTP Methods

DELETE

Deletes endpoints that are associated with a User ID.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string
user-id	true	string

Response

Status Code	Schema
202	EndpointsResponse (p. 257)

GET

Returns information about the endpoints that are associated with a User ID.

Header

Name	Required	Type
accept	false	string

Path

Name	Required	Type
application-id	true	string
user-id	true	string

Response

Status Code	Schema
200	EndpointsResponse (p. 257)

Errors

Errors

Status Code	Schema	Error Type
400	MessageBody (p. 260)	BadRequestException
403	MessageBody (p. 260)	ForbiddenException
404	MessageBody (p. 260)	NotFoundException
405	MessageBody (p. 260)	MethodNotAllowedException
429	MessageBody (p. 260)	TooManyRequestsException
500	MessageBody (p. 260)	InternalServerErrorException

Schemas

Response Schemas

Example EndpointsResponse

```
{
  "Address": "string",
  "Attributes": {
    "additionalProp1": [
      "string"
    ]
  }
}
```

```
    ],
    "additionalProp2": [
      "string"
    ],
    "additionalProp3": [
      "string"
    ]
  },
  "ChannelType": "GCM",
  "Demographic": {
    "Make": "string",
    "Model": "string",
    "ModelVersion": "string",
    "Timezone": "string",
    "Locale": "string",
    "AppVersion": "string",
    "Platform": "string",
    "PlatformVersion": "string"
  },
  "EffectiveDate": "string",
  "EndpointStatus": "string",

  "Location": {
    "Latitude": 0,
    "Longitude": 0,
    "PostalCode": "string",
    "City": "string",
    "Region": "string",
    "Country": "string"
  },
  "Metrics": {
    "additionalProp1": 0,
    "additionalProp2": 0,
    "additionalProp3": 0
  },
  "OptOut": "string",
  "RequestId": "string",
  "User": {
    "UserId": "string",
    "UserAttributes": {
      "additionalProp1": [
        "string"
      ],
      "additionalProp2": [
        "string"
      ],
      "additionalProp3": [
        "string"
      ]
    }
  },
  "ApplicationId": "string",
  "Id": "string",
  "CohortId": "string",
  "CreationDate": "string",
}
```

Example MessageBody

```
{
  "RequestId": "string",
  "Message": "string"
}
```

Attributes

EndpointsResponse

Attribute	Type	Description
Item	array	The list of endpoints.

EndpointResponse

Attribute	Type	Description
Address	string	The address of the endpoint as provided by your push provider. For example, the DeviceToken or RegistrationId.
ApplicationId	string	The ID of the application that is associated with the endpoint.
Attributes	object	<p>Custom attributes that describe the endpoint by associating a name with an array of values. For example, an attribute named "interests" might have the following values: ["science", "politics", "travel"]. You can use these attributes as selection criteria when you create segments.</p> <p>The Amazon Pinpoint console can't display attribute names that include the following characters: hash/ pound sign (#), colon (:), question mark (?), backslash (\), and forward slash (/). For this reason, you should avoid using these characters in the names of custom attributes.</p>
ChannelType	string	<p>The channel type.</p> <p>Valid values: GCM APNS APNS_SANDBOX APNS_VOIP APNS_VOIP_SANDBOX ADM SMS EMAIL BAIDU</p>
CohortId	string	A number from 0-99 that represents the cohort the endpoint is assigned to. Endpoints are grouped into cohorts randomly, and each cohort contains approximately 1 percent of the endpoints for an app. Amazon Pinpoint assigns cohorts to the holdout or treatment allocations for a campaign.

Attribute	Type	Description
CreationDate	string	The date and time when the endpoint was created, shown in ISO 8601 format.
Demographic	EndpointDemographic (p. 258)	The endpoint demographic attributes.
EffectiveDate	string	The date and time when the endpoint was last updated, shown in ISO 8601 format.
EndpointStatus	string	Unused.
Id	string	The unique ID that you assigned to the endpoint. The ID should be a globally unique identifier (GUID) to ensure that it doesn't conflict with other endpoint IDs associated with the application.
Location	EndpointLocation (p. 259)	The endpoint location attributes.
Metrics	object	Custom metrics that your app reports to Amazon Pinpoint.
OptOut	string	Indicates whether a user has opted out of receiving messages with one of the following values: ALL - User has opted out of all messages. NONE - Users has not opted out and receives all messages.
RequestId	string	The unique ID for the most recent request to update the endpoint.
User	EndpointUser (p. 259)	Custom user-specific attributes that your app reports to Amazon Pinpoint.

EndpointDemographic

Attribute	Type	Description
AppVersion	string	The version of the application associated with the endpoint.
Locale	string	The endpoint locale in the following format: The ISO 639-1 alpha-2 code, followed by an underscore, followed by an ISO 3166-1 alpha-2 value.
Make	string	The manufacturer of the endpoint device, such as Apple or Samsung.

Attribute	Type	Description
Model	string	The model name or number of the endpoint device, such as iPhone.
ModelVersion	string	The model version of the endpoint device.
Platform	string	The platform of the endpoint device, such as iOS or Android.
PlatformVersion	string	The platform version of the endpoint device.
Timezone	string	The timezone of the endpoint. Specified as a tz database value, such as Americas/Los_Angeles.

EndpointLocation

Attribute	Type	Description
City	string	The city where the endpoint is located.
Country	string	The two-letter code for the country or region of the endpoint. Specified as an ISO 3166-1 alpha-2 code, such as "US" for the United States.
Latitude	number	The latitude of the endpoint location, rounded to one decimal place.
Longitude	number	The longitude of the endpoint location, rounded to one decimal place.
PostalCode	string	The postal code or zip code of the endpoint.
Region	string	The region of the endpoint location. For example, in the United States, this corresponds to a state.

EndpointUser

Attribute	Type	Description
UserAttributes	object	Custom attributes that describe the user by associating a name with an array of values. For example, an attribute named "interests" might have the following values: ["science", "politics", "travel"]. You can use these attributes as selection criteria when you create segments.

Attribute	Type	Description
		The Amazon Pinpoint console can't display attribute names that include the following characters: hash/ pound sign (#), colon (:), question mark (?), backslash (\), and forward slash (/). For this reason, you should avoid using these characters in the names of custom attributes.
UserId	string	The unique ID of the user.

MessageBody

Attribute	Type	Description
Message	string	The error message that's returned from the API.
RequestId	string	The unique message body ID.