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# Amazon Pinpoint

## **REST API Reference**

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## **Amazon Pinpoint: REST API Reference**

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# Welcome

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

## Topics

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

## Amazon Pinpoint Endpoint

Amazon Pinpoint is available in the US East (N. Virginia) region (us-east-1) at this endpoint:

```
https://pinpoint.us-east-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/alb2c3d4e5f6g7h8i9j0k1l2m3n4o5p6/campaigns
Accept: application/json
Authorization: AWS4-HMAC-SHA256 Credential=AKIAIOSFODNN7EXAMPLE/20161127/us-
east-1/mobiletargeting/aws4_request, SignedHeaders=accept;host;x-amz-date,
Signature=alb2c3d4e5f6g7h8i9j0k1l2m3n4o5p6q7r8s9t0u1v2w3x4y5z6alb2c3d4e5f6
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

- [Campaign Activities](#) (p. 3)
- [Campaigns](#) (p. 5)
- [Channels](#) (p. 30)
- [Endpoints](#) (p. 34)
- [Event Streams](#) (p. 41)
- [Import Jobs](#) (p. 43)
- [Segments](#) (p. 50)
- [Settings](#) (p. 66)

## Campaign Activities

Returns 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.

## Topics

- [Campaign Activities List](#) (p. 3)
- [Campaign Activity Attributes](#) (p. 4)

## Campaign Activities List

### URI

```
/apps/application-id/campaigns/campaign-id/activities
```

## Request Headers

Header	Description
accept	Specify the media type you will accept as a response:  <code>application/json</code> – A JSON response body.  <code>application/hal+json</code> – A HAL JSON response body that includes hyperlinks to related resources.

## HTTP Methods

### GET

Use the GET method to request information about the activity performed by a campaign.

#### GET Query String Parameters

Parameter	Description
page-size	The number of entries you want on each page in the response.
token	An identifier used to retrieve the next page of results. The token is null if no additional pages exist.

#### GET Response Syntax

```
{
  "Item": [
    {
      "Id": "string",
      "ApplicationId": "string",
      "CampaignId": "string",
      "TreatmentId": "string",
      "State": "string",
      "Result": "string",
      "ScheduledStart": "string",
      "Start": "string",
      "End": "string",
      "SuccessfulEndpointCount": 0,
      "TotalEndpointCount": 0
    }
  ]
}
```

## Campaign Activity Attributes

### ActivityResponse

Parameter	Description	Data Type
Id	The unique activity ID.	string

Parameter	Description	Data Type
ApplicationId	The ID of the application to which the campaign applies.	string
CampaignId	The ID of the campaign to which the activity applies.	string
TreatmentId	The ID of a variation of the campaign used for A/B testing.	string
State	<i>Optional.</i> The state of the activity.  Valid values: PENDING, INITIALIZING, RUNNING, PAUSED, CANCELLED, COMPLETED	string
Result	<i>Optional.</i> Indicates whether the activity succeeded.  Valid values: SUCCESS, FAIL	string
ScheduledStart	<i>Optional.</i> The scheduled start time for the activity in ISO 8601 format.	string
Start	<i>Optional.</i> The actual start time of the activity in ISO 8601 format.	string
End	<i>Optional.</i> The actual time the activity was marked CANCELLED OR COMPLETED. Provided in ISO 8601 format.	string
SuccessfulEndpointCount	<i>Optional.</i> The total number of endpoints to which the campaign successfully delivered messages.	integer
TotalEndpointCount	<i>Optional.</i> The total number of endpoints to which the campaign attempts to deliver messages.	integer

## Campaigns

Campaigns are messaging initiatives that engage specific segments 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, create, update, or delete campaigns.

#### Topics

- [Campaigns List \(p. 6\)](#)
- [Campaign Instance \(p. 12\)](#)
- [Campaign Versions List \(p. 20\)](#)
- [Campaign Version Instance \(p. 22\)](#)
- [Campaign Attributes \(p. 24\)](#)

## Campaigns List

### URI

```
/apps/application-id/campaigns/
```

### Request Headers

Header	Description
accept	Specify the media type you will accept as a response:  application/json – A JSON response body.  application/hal+json – A HAL JSON response body that includes hyperlinks to related resources.

### HTTP Methods

#### GET

Use the GET method to request information about your campaigns.

#### GET Query String Parameters

Parameter	Description
page-size	The number of entries you want on each page in the response.
token	An identifier used to retrieve the next page of results. The token is null if no additional pages exist.

#### GET Response Syntax

```
{  
  "Item": [  
    {  
      "TreatmentName": "string",  
      "TreatmentDescription": "string",  
      "MessageConfiguration": {
```

```
"DefaultMessage": {
  "Title": "string",
  "Body": "string",
  "ImageUrl": "string",
  "ImageIconUrl": "string",
  "Action": "OPEN_APP",
  "Url": "string",
  "IncrementBadge": true
},
"APNSMessage": {
  "Title": "string",
  "Body": "string",
  "ImageUrl": "string",
  "ImageIconUrl": "string",
  "Action": "OPEN_APP",
  "Url": "string",
  "IncrementBadge": true
},
"GCMMessage": {
  "Title": "string",
  "Body": "string",
  "ImageUrl": "string",
  "ImageIconUrl": "string",
  "Action": "OPEN_APP",
  "Url": "string",
  "IncrementBadge": true
}
},
"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",
        "Action": "OPEN_APP",
        "Url": "string",
        "IncrementBadge": true
      },
      "APNSMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",

```

```
        "IncrementBadge": true
      },
      "GCMMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "IncrementBadge": true
      }
    },
    "Schedule": {
      "StartTime": "string",
      "EndTime": "string",
      "Frequency": "ONCE",
      "IsLocalTime": true,
      "Timezone": "string",
      "QuietTime": {
        "Start": "string",
        "End": "string"
      }
    },
    "SizePercent": 0,
    "Id": "string",
    "State": {
      "Status": "SCHEDULED"
    }
  }
],
"HoldoutPercent": 0,
"Name": "string",
"Limits": {
  "Daily": 0,
  "Total": 0
},
"Description": "string",
"State": {
  "Status": "SCHEDULED"
},
"DefaultState": {
  "Status": "SCHEDULED"
},
"Version": 0,
"IsPaused": true
},
"NextToken": "string"
}
```

## POST

Use the POST method to create or update a campaign.

### POST Request Body Syntax

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

```
    "ImageIconUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "IncrementBadge": true
  },
  "APNSMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "IncrementBadge": true
  },
  "GCMMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "IncrementBadge": true
  }
},
"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",
        "Action": "OPEN_APP",
        "Url": "string",
        "IncrementBadge": true
      },
      "APNSMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "IncrementBadge": true
      },
      "GCMMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
```

```
        "Action": "OPEN_APP",
        "Url": "string",
        "IncrementBadge": true
    }
},
"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
},
"Name": "string",
>Description": "string"
}
```

## POST Response Syntax

```
{
    "TreatmentName": "string",
    "TreatmentDescription": "string",
    "MessageConfiguration": {
        "DefaultMessage": {
            "Title": "string",
            "Body": "string",
            "ImageUrl": "string",
            "ImageIconUrl": "string",
            "Action": "OPEN_APP",
            "Url": "string",
            "IncrementBadge": true
        },
        "APNSMessage": {
            "Title": "string",
            "Body": "string",
            "ImageUrl": "string",
            "ImageIconUrl": "string",
            "Action": "OPEN_APP",
            "Url": "string",
            "IncrementBadge": true
        },
        "GCMMessage": {
            "Title": "string",
            "Body": "string",
            "ImageUrl": "string",
            "ImageIconUrl": "string",
            "Action": "OPEN_APP",
            "Url": "string",
            "IncrementBadge": true
        }
    },
    "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",
          "Action": "OPEN_APP",
          "Url": "string",
          "IncrementBadge": true
        },
        "APNSMessage": {
          "Title": "string",
          "Body": "string",
          "ImageUrl": "string",
          "ImageIconUrl": "string",
          "Action": "OPEN_APP",
          "Url": "string",
          "IncrementBadge": true
        },
        "GCMMessage": {
          "Title": "string",
          "Body": "string",
          "ImageUrl": "string",
          "ImageIconUrl": "string",
          "Action": "OPEN_APP",
          "Url": "string",
          "IncrementBadge": true
        }
      }
    },
    {
      "Schedule": {
        "StartTime": "string",
        "EndTime": "string",
        "Frequency": "ONCE",
        "IsLocalTime": true,
        "Timezone": "string",
        "QuietTime": {
          "Start": "string",
          "End": "string"
        }
      }
    }
  ],
  "SizePercent": 0,
  "Id": "string",
  "State": {
    "Status": "SCHEDULED"
  }
},
],
```

```
"HoldoutPercent": 0,
"Name": "string",
"Limits": {
  "Daily": 0,
  "Total": 0
},
>Description": "string",
"State": {
  "Status": "SCHEDULED"
},
"DefaultState": {
  "Status": "SCHEDULED"
},
"Version": 0,
"IsPaused": true
}
```

## Campaign Instance

### URI

```
/apps/application-id/campaigns/campaign-id
```

### Request Headers

Header	Description
accept	Specify the media type you will accept as a response:  application/json – A JSON response body.  application/hal+json – A HAL JSON response body that includes hyperlinks to related resources.

### HTTP Methods

#### GET

Use the GET method to request information about a campaign.

#### GET Response Syntax

```
{
  "TreatmentName": "string",
  "TreatmentDescription": "string",
  "MessageConfiguration": {
    "DefaultMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "IncrementBadge": true
    },
    "APNSMessage": {
      "Title": "string",

```

```
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "IncrementBadge": true
  },
  "GCMMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "IncrementBadge": true
  }
},
"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",
        "Action": "OPEN_APP",
        "Url": "string",
        "IncrementBadge": true
      },
      "APNSMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "IncrementBadge": true
      },
      "GCMMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "IncrementBadge": true
      }
    }
  }
]
```



```
    },
    "Schedule": {
      "StartTime": "string",
      "EndTime": "string",
      "Frequency": "ONCE",
      "IsLocalTime": true,
      "Timezone": "string",
      "QuietTime": {
        "Start": "string",
        "End": "string"
      }
    },
    "SizePercent": 0,
    "Id": "string",
    "State": {
      "Status": "SCHEDULED"
    }
  }
},
"HoldoutPercent": 0,
"Name": "string",
"Limits": {
  "Daily": 0,
  "Total": 0
},
"Description": "string",
"State": {
  "Status": "SCHEDULED"
},
"DefaultState": {
  "Status": "SCHEDULED"
},
"Version": 0,
"IsPaused": true
}
```

## PUT

Use the PUT method to update a campaign.

### PUT Request Body Syntax

```
{
  "TreatmentName": "string",
  "TreatmentDescription": "string",
  "MessageConfiguration": {
    "DefaultMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "IncrementBadge": true
    },
    "APNSMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "IncrementBadge": true
    }
  },
}
```

```
"GCMMessage": {
  "Title": "string",
  "Body": "string",
  "ImageUrl": "string",
  "ImageIconUrl": "string",
  "Action": "OPEN_APP",
  "Url": "string",
  "IncrementBadge": true
},
},
"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",
        "Action": "OPEN_APP",
        "Url": "string",
        "IncrementBadge": true
      },
      "APNSMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "IncrementBadge": true
      },
      "GCMMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "IncrementBadge": true
      }
    }
  },
  "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
},
"Name": "string",
>Description": "string"
}
```

## PUT Response Syntax

```
{
  "TreatmentName": "string",
  "TreatmentDescription": "string",
  "MessageConfiguration": {
    "DefaultMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "IncrementBadge": true
    },
    "APNSMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "IncrementBadge": true
    },
    "GCMMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "IncrementBadge": true
    }
  },
  "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",
        "Action": "OPEN_APP",
        "Url": "string",
        "IncrementBadge": true
      },
      "APNSMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "IncrementBadge": true
      },
      "GCMMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "IncrementBadge": true
      }
    },
    "Schedule": {
      "StartTime": "string",
      "EndTime": "string",
      "Frequency": "ONCE",
      "IsLocalTime": true,
      "Timezone": "string",
      "QuietTime": {
        "Start": "string",
        "End": "string"
      }
    },
    "SizePercent": 0,
    "Id": "string",
    "State": {
      "Status": "SCHEDULED"
    }
  }
],
"HoldoutPercent": 0,
"Name": "string",
"Limits": {
  "Daily": 0,
  "Total": 0
},
>Description": "string",
"State": {
  "Status": "SCHEDULED"
},
"DefaultState": {
  "Status": "SCHEDULED"
},
"Version": 0,
```

```
"IsPaused": true
}
```

## DELETE

Use the DELETE method to delete a campaign.

### DELETE Response Syntax

```
{
  "TreatmentName": "string",
  "TreatmentDescription": "string",
  "MessageConfiguration": {
    "DefaultMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "IncrementBadge": true
    },
    "APNSMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "IncrementBadge": true
    },
    "GCMMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "IncrementBadge": true
    }
  },
  "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",
    "Action": "OPEN_APP",
    "Url": "string",
    "IncrementBadge": true
  },
  "APNSMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "IncrementBadge": true
  },
  "GCMMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "IncrementBadge": true
  }
},
"Schedule": {
  "StartTime": "string",
  "EndTime": "string",
  "Frequency": "ONCE",
  "IsLocalTime": true,
  "Timezone": "string",
  "QuietTime": {
    "Start": "string",
    "End": "string"
  }
},
"SizePercent": 0,
"Id": "string",
"State": {
  "Status": "SCHEDULED"
}
},
"HoldoutPercent": 0,
"Name": "string",
"Limits": {
  "Daily": 0,
  "Total": 0
},
"Description": "string",
"State": {
  "Status": "SCHEDULED"
},
"DefaultState": {
  "Status": "SCHEDULED"
},
"Version": 0,
"IsPaused": true
}
```

## Campaign Versions List

### URI

```
/apps/application-id/campaigns/campaign-id/versions
```

### Request Headers

Header	Description
accept	Specify the media type you will accept as a response:  application/json – A JSON response body.  application/hal+json – A HAL JSON response body that includes hyperlinks to related resources.

### HTTP Methods

#### GET

Use the GET method to request information about your campaign versions.

#### GET Query String Parameters

Parameter	Description
page-size	The number of entries you want on each page in the response.
token	An identifier used to retrieve the next page of results. The token is null if no additional pages exist.

#### GET Response Syntax

```
{
  "Item": [
    {
      "TreatmentName": "string",
      "TreatmentDescription": "string",
      "MessageConfiguration": {
        "DefaultMessage": {
          "Title": "string",
          "Body": "string",
          "ImageUrl": "string",
          "ImageIconUrl": "string",
          "Action": "OPEN_APP",
          "Url": "string",
          "IncrementBadge": true
        },
        "APNSMessage": {
          "Title": "string",
          "Body": "string",
          "ImageUrl": "string",
          "ImageIconUrl": "string",
          "Action": "OPEN_APP",
          "Url": "string",

```

```
    "IncrementBadge": true
  },
  "GCMMessage": {
    "Title": "string",
    "Body": "string",
    "ImageUrl": "string",
    "ImageIconUrl": "string",
    "Action": "OPEN_APP",
    "Url": "string",
    "IncrementBadge": true
  }
},
"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",
        "Action": "OPEN_APP",
        "Url": "string",
        "IncrementBadge": true
      },
      "APNSMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "IncrementBadge": true
      },
      "GCMMessage": {
        "Title": "string",
        "Body": "string",
        "ImageUrl": "string",
        "ImageIconUrl": "string",
        "Action": "OPEN_APP",
        "Url": "string",
        "IncrementBadge": true
      }
    }
  },
  "Schedule": {
    "StartTime": "string",
    "EndTime": "string",
    "Frequency": "ONCE",
```



```
        "IsLocalTime": true,  
        "Timezone": "string",  
        "QuietTime": {  
            "Start": "string",  
            "End": "string"  
        }  
    },  
    "SizePercent": 0,  
    "Id": "string",  
    "State": {  
        "Status": "SCHEDULED"  
    }  
},  
"HoldoutPercent": 0,  
"Name": "string",  
"Limits": {  
    "Daily": 0,  
    "Total": 0  
},  
"Description": "string",  
"State": {  
    "Status": "SCHEDULED"  
},  
"DefaultState": {  
    "Status": "SCHEDULED"  
},  
"Version": 0,  
"IsPaused": true  
},  
"NextToken": "string"  
}
```

## Campaign Version Instance

### URI

```
/apps/application-id/campaigns/campaign-id/versions/version-id
```

### Request Headers

Header	Description
accept	Specify the media type you will accept as a response:  application/json – A JSON response body.  application/hal+json – A HAL JSON response body that includes hyperlinks to related resources.

### HTTP Methods

#### GET

Use the GET method to request information about a campaign version.

## GET Response Syntax

```
{
  "TreatmentName": "string",
  "TreatmentDescription": "string",
  "MessageConfiguration": {
    "DefaultMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "IncrementBadge": true
    },
    "APNSMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "IncrementBadge": true
    },
    "GCMMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "IncrementBadge": true
    }
  },
  "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",
          "Action": "OPEN_APP",
          "Url": "string",
          "IncrementBadge": true
        }
      }
    }
  ]
}
```

```

    "APNSMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "IncrementBadge": true
    },
    "GCMMessage": {
      "Title": "string",
      "Body": "string",
      "ImageUrl": "string",
      "ImageIconUrl": "string",
      "Action": "OPEN_APP",
      "Url": "string",
      "IncrementBadge": true
    }
  },
  "Schedule": {
    "StartTime": "string",
    "EndTime": "string",
    "Frequency": "ONCE",
    "IsLocalTime": true,
    "Timezone": "string",
    "QuietTime": {
      "Start": "string",
      "End": "string"
    }
  },
  "SizePercent": 0,
  "Id": "string",
  "State": {
    "Status": "SCHEDULED"
  }
},
"HoldoutPercent": 0,
"Name": "string",
"Limits": {
  "Daily": 0,
  "Total": 0
},
"Description": "string",
"State": {
  "Status": "SCHEDULED"
},
"DefaultState": {
  "Status": "SCHEDULED"
},
"Version": 0,
"IsPaused": true
}

```

## Campaign Attributes

### CampaignsResponse

Parameter	Description	Data Type
Item	A list of campaigns.	Array[ <a href="#">CampaignResponse (p. 25)</a> ]
NextToken	<i>Optional</i>	string

Parameter	Description	Data Type
	The string that you use in a subsequent request to get the next page of results in a paginated response.	

## CampaignResponse

Parameter	Description	Data Type
TreatmentName	<i>Optional</i> The custom name of a variation of the campaign used for A/B testing.	string
TreatmentDescription	<i>Optional</i> A custom description for the treatment.	string
MessageConfiguration	<i>Optional</i> The message configuration settings.	<a href="#">MessageConfiguration (p. 26)</a>
Schedule	<i>Optional</i> The campaign schedule.	<a href="#">Schedule (p. 27)</a>
Id	The unique campaign ID.	string
ApplicationId	The ID of the application to which the campaign applies.	string
CreationDate	The date the campaign was created in ISO 8601 format.	string
LastModifiedDate	The date the campaign was last updated in ISO 8601 format.	string
SegmentId	The ID of the segment to which the campaign sends messages.	string
SegmentVersion	The version of the segment to which the campaign sends messages.	integer
AdditionalTreatments	<i>Optional</i> Treatments that are defined in addition to the default treatment.	Array[ <a href="#">TreatmentResource (p. 27)</a> ]
HoldoutPercent	<i>Optional</i> The allocated percentage of end users who will not receive messages from this campaign.	integer
Name	<i>Optional.</i> The custom name of the campaign.	string

Parameter	Description	Data Type
Limits	<i>Optional</i> The campaign limits settings.	<a href="#">CampaignLimits (p. 28)</a>
Description	<i>Optional</i> A description of the campaign.	string
State	<i>Optional</i> The campaign status.  An A/B test campaign will have a status of <code>COMPLETED</code> only when all treatments have a status of <code>COMPLETED</code> .	<a href="#">CampaignState (p. 28)</a>
DefaultState	The status of the campaign's default treatment. Only present for A/B test campaigns.	<a href="#">CampaignState (p. 28)</a>
Version	<i>Optional</i> The campaign version number.	integer
IsPaused	<i>Optional</i> Indicates whether the campaign is paused. A paused campaign does not send messages unless you resume it by setting <code>IsPaused</code> to <code>false</code> .	boolean

### MessageConfiguration

Parameter	Description	Data Type
DefaultMessage	The default message for all channels.	<a href="#">Message (p. 28)</a>
APNSMessage	<i>Optional</i> The message that the campaign delivers to APNS channels. Overrides the default message.	<a href="#">Message (p. 28)</a>
GCMMessage	<i>Optional</i> The message that the campaign delivers to GCM channels. Overrides the default message.	<a href="#">Message (p. 28)</a>

## Schedule

Parameter	Description	Data Type
StartTime	The scheduled time that the campaign begins in ISO 8601 format.	string
EndTime	<i>Optional.</i> The scheduled time that the campaign ends in ISO 8601 format.	string
Frequency	<i>Optional.</i> How often the campaign delivers messages.  Valid values: ONCE, HOURLY, DAILY, WEEKLY, MONTHLY	string
IsLocalTime	<i>Optional.</i> Indicates whether the campaign schedule takes effect according to each user's local time.	boolean
Timezone	<i>Optional.</i> The starting UTC offset for the schedule if the value for <code>isLocalTime</code> is <code>true</code>  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.	string
QuietTime	<i>Optional</i> The time during which the campaign sends no messages.	<a href="#">QuietTime (p. 29)</a>

## TreatmentResource

Parameter	Description	Data Type
TreatmentName	<i>Optional</i> The custom name for the treatment.	string
TreatmentDescription	<i>Optional</i> A custom description for the treatment.	string

Parameter	Description	Data Type
MessageConfiguration	<i>Optional</i> The message configuration settings.	<a href="#">MessageConfiguration (p. 26)</a>
Schedule	<i>Optional</i> The treatment schedule.	<a href="#">Schedule (p. 27)</a>
SizePercent	The allocated percentage of users for this treatment.	integer
Id	The unique treatment ID.	string
State	<i>Optional.</i> The treatment status.	<a href="#">CampaignState (p. 28)</a>

### CampaignLimits

Parameter	Description	Data Type
Daily	<i>Optional</i> The maximum number of messages that the campaign can send daily.	integer
Total	<i>Optional</i> The maximum total number of messages that the campaign can send.	integer

### CampaignState

Parameter	Description	Data Type
Status	<i>Optional.</i> 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	string

### Message

Parameter	Description	Data Type
Title	<i>Optional.</i> The message title that displays above the message on the user's device.	string

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

### QuietTime

Parameter	Description	Data Type
Start	<i>Optional</i> The scheduled time at which quiet time begins. During quiet time, the campaign sends no messages. Provided in ISO 8601 format.	string
End	<i>Optional</i>	string



Parameter	Description	Data Type
	The scheduled time at which quiet time ends in ISO 8601 format.	

## Channels

A channel defines the types of platforms to which you can deliver messages. For example, to deliver a push notification to an iOS device, you send the message through the APNS channel type. You can use this resource to create or update channels.

Topics

- [APNS Channel Type \(p. 30\)](#)
- [GCM Channel Type \(p. 32\)](#)

## APNS Channel Type

Represents the channel for delivering notifications to iOS devices.

### URI

```
/apps/application-id/channels/apns
```

### Request Headers

Header	Description
accept	Specify the media type you will accept as a response:  application/json – A JSON response body.  application/hal+json – A HAL JSON response body that includes hyperlinks to related resources.

## HTTP Methods

### GET

Use the GET method to request information about the APNS channel for an app.

#### GET Response Syntax

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

## PUT

Use the PUT method to update the APNS channel for an app.

### PUT Request Body Syntax

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

### PUT Response Syntax

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

## DELETE

Use the DELETE method to delete the APNS channel for an app.

### DELETE Response Syntax

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

## APNS Channel Attributes

### APNSChannelRequest

Parameter	Description	Data Type
Certificate	The distribution certificate from Apple.	string
PrivateKey	The certificate private key.	string

### APNSChannelResponse

Parameter	Description	Data Type
Id	<i>Optional.</i>	string

Parameter	Description	Data Type
	The unique channel ID.	
ApplicationId	<i>Optional.</i> The ID of the application to which the channel applies.	string
IsArchived	<i>Optional.</i> Indicates whether the channel is archived.	boolean
Version	<i>Optional.</i> The version of channel.	integer
CreationDate	<i>Optional.</i> The date the channel was created in ISO 8601 format.	string
LastModifiedBy	<i>Optional.</i> The user name of the person who last updated the channel.	string
LastModifiedDate	<i>Optional.</i> The date the channel was last modified in ISO 8601 format.	string
Platform	The platform type. Will be <code>APNS</code> .	string

## GCM Channel Type

Represents the channel for delivering notifications to Android devices.

### URI

```
/apps/application-id/channels/gcm
```

### Request Headers

Header	Description
accept	Specify the media type you will accept as a response:  <code>application/json</code> – A JSON response body.  <code>application/hal+json</code> – A HAL JSON response body that includes hyperlinks to related resources.

## HTTP Methods

### GET

Use the GET method to request information about your GCM channels.

#### GET Response Syntax

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

### PUT

Use the PUT method to update your GCM channel.

#### PUT Request Body Syntax

```
{
  "ApiKey": "string"
}
```

#### PUT Response Syntax

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

### DELETE

Use the DELETE method to delete the GCM channel for an app.

#### DELETE Response Syntax

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

```
"Credential": "string"
}
```

## GCM Channel Attributes

### GCMChannelRequest

Parameter	Description	Data Type
ApiKey	Platform credential API key from Google.	string

### GCMChannelResponse

Parameter	Description	Data Type
Id	<i>Optional.</i> The unique channel ID.	string
ApplicationId	<i>Optional.</i> The ID of the application to which the channel applies.	string
IsArchived	<i>Optional.</i> Indicates whether the channel is archived.	boolean
Version	<i>Optional.</i> The version of channel.	integer
CreationDate	<i>Optional.</i> The date the channel was created in ISO 8601 format.	string
LastModifiedBy	<i>Optional.</i> The user name of the person who last updated the channel.	string
LastModifiedDate	<i>Optional.</i> The date the channel was last modified in ISO 8601 format.	string
Platform	The platform type. Will be <code>GCM</code> .	string
Credential	The GCM API key from Google.	string

## Endpoints

An endpoint uniquely identifies a device 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 500 endpoints at once. Use the `/endpoints/endpoint-id` URI to create or edit a single endpoint.

#### Topics

- [Endpoints List \(p. 35\)](#)
- [Endpoint Instance \(p. 36\)](#)
- [Endpoint Attributes \(p. 38\)](#)

## Endpoints List

### URI

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

### Request Headers

Header	Description
accept	Specify the media type you will accept as a response:  <code>application/json</code> – A JSON response body.  <code>application/hal+json</code> – A HAL JSON response body that includes hyperlinks to related resources.

## HTTP Methods

### PUT

Use the PUT method to update your endpoints.

#### PUT Request Body Syntax

```
{
  "Item": [
    {
      "ChannelType": "APNS",
      "Address": "string",
      "Status": "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": {},
  "Metrics": {},
  "User": {
    "UserId": "string"
  },
  "Id": "string"
}
]
```

### PUT Response Syntax

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

## Endpoint Instance

### URI

```
/apps/application-id/endpoints/endpoint-id
```

### Request Headers

Header	Description
accept	Specify the media type you will accept as a response:  application/json – A JSON response body.  application/hal+json – A HAL JSON response body that includes hyperlinks to related resources.

## HTTP Methods

### GET

Use the GET method to request information about an endpoint.

### GET Response Syntax

```
{
  "ChannelType": "APNS",
  "Address": "string",
  "Status": "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": {},
"Metrics": {},
"User": {
  "UserId": "string"
},
"ApplicationId": "string",
"Id": "string",
"ShardId": "string",
"CohortId": "string"
}
```

## PUT

Use the PUT method to update an endpoint.

### PUT Request Body Syntax

```
{
  "ChannelType": "APNS",
  "Address": "string",
  "Status": "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": {},
  "Metrics": {},
  "User": {
    "UserId": "string"
  }
}
```



```
}

```

### PUT Response Syntax

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

## Endpoint Attributes

### EndpointResponse

Parameter	Description	Data Type
ChannelType	<i>Optional.</i> The channel type.  Valid values: <code>APNS</code> , <code>GCM</code>	string
Address	The device token provided by the push notification service with which your app is registered (Firebase Cloud Messaging, Google Cloud Messaging, or Apple Push Notification service).  This parameter is required unless you set the value for <code>OptOut</code> to <code>ALL</code> .	string
Status	<i>Optional.</i> The endpoint status. Can be either <code>ACTIVE</code> or <code>INACTIVE</code> . Will be set to <code>INACTIVE</code> if a delivery fails. Will be set to <code>ACTIVE</code> if the address is updated.	string
OptOut	<i>Optional.</i> Indicates whether a user has opted out of receiving messages with one of the following values: <ul style="list-style-type: none"> <li><code>ALL</code> – User receives all messages.</li> <li><code>NONE</code> – User receives no messages.</li> </ul>	string
RequestId	<i>Optional.</i> The unique ID for the most recent request to update the endpoint.	string
Location	<i>Optional.</i> The endpoint location attributes.	<a href="#">EndpointLocation (p. 39)</a>
Demographic	<i>Optional.</i>	<a href="#">EndpointDemographic (p. 40)</a>

Parameter	Description	Data Type
	The endpoint demographic attributes.	
EffectiveDate	<i>Optional.</i>  The last time the endpoint was updated. Provided in ISO 8601 format.	string
Attributes	<i>Optional.</i>  Custom attributes that your app reports to Amazon Pinpoint. You can use these attributes as selection criteria when you create a segment.	EndpointAttributes
Metrics	<i>Optional.</i>  Custom metrics that your app reports to Amazon Pinpoint.	EndpointMetrics
User	<i>Optional.</i>  Custom user-specific attributes that your app reports to Amazon Pinpoint.	<a href="#">EndpointUser (p. 41)</a>
ApplicationId	<i>Optional.</i>  The ID of the application associated with the endpoint.	string
Id	The unique ID that you assigned to the endpoint. The ID should be a globally unique identifier (GUID) to ensure that it is unique compared to all other endpoints for the application.	string
CohortId	<i>Optional.</i>  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.	string

### EndpointLocation

Parameter	Description	Data Type
Latitude	<i>Optional.</i>  The latitude of the endpoint location. Rounded to one decimal (Roughly corresponding to a mile).	number

Parameter	Description	Data Type
Longitude	<i>Optional.</i> The longitude of the endpoint location. Rounded to one decimal (Roughly corresponding to a mile).	number
PostalCode	<i>Optional.</i> The postal code or zip code of the endpoint.	string
City	<i>Optional.</i> The city where the endpoint is located.	string
Region	<i>Optional.</i> The region of the endpoint location. For example, corresponds to a state in US.	string
Country	<i>Optional.</i> Country according to ISO 3166-1 Alpha-2 codes. For example, <code>US</code> .	string

### EndpointDemographic

Parameter	Description	Data Type
Make	<i>Optional.</i> The endpoint make, such as such as Apple or Samsung.	string
Model	<i>Optional.</i> The endpoint model, such as iPhone.	string
ModelVersion	<i>Optional.</i> The endpoint model version.	string
Timezone	<i>Optional.</i> The timezone of the endpoint. Specified as a tz database value, such as <code>Americas/Los_Angeles</code> .	string
Locale	<i>Optional.</i> 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.	string
AppVersion	<i>Optional.</i>	string

Parameter	Description	Data Type
	The version of the application associated with the endpoint.	
Platform	<i>Optional.</i> The endpoint platform, such as <code>ios</code> or <code>android</code> .	string
PlatformVersion	<i>Optional.</i> The endpoint platform version.	string

### EndpointUser

Parameter	Description	Data Type
UserId	<i>Optional.</i> The unique ID of the user.	string

## Event Streams

Configures Amazon Pinpoint to stream events reported by your app, and campaign events created by Amazon Pinpoint, 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.

#### Topics

- [Event Stream Instance \(p. 41\)](#)
- [Event Stream Attributes \(p. 43\)](#)

## Event Stream Instance

### URI

```
/apps/application-id/eventstream/
```

### Request Headers

Header	Description
accept	Specify the media type you will accept as a response:  <code>application/json</code> – A JSON response body.  <code>application/hal+json</code> – A HAL JSON response body that includes hyperlinks to related resources.

## HTTP Methods

### GET

Use the GET method to request information about an event stream.

#### GET Response Syntax

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

### POST

Use the POST method to create or update an event stream.

#### POST Request Body Syntax

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

#### POST Response Syntax

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

### DELETE

Use the DELETE method to delete an event stream.

#### DELETE Response Syntax

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

## Event Stream Attributes

### EventStreamModel

Parameter	Description	Data Type
ApplicationId	The ID of the application for which events are sent to Amazon Kinesis.	string
RoleArn	The Amazon Resource Name (ARN) of the IAM role that grants Amazon Pinpoint permission to send data to the Amazon Kinesis stream or Amazon Kinesis Firehose delivery stream.	string
ExternalId	<i>Optional.</i> A unique, custom ID assigned to the IAM role that restricts who can assume the role.  The external ID is not required. If you use it, assign your AWS account ID as the external ID value.	string
DestinationStreamArn	The ARN of the Amazon Kinesis stream or Amazon Kinesis Firehose delivery stream to which Amazon Pinpoint sends events.	string
LastModifiedDate	<i>Optional.</i> The date the event stream was last updated in ISO 8601 format.	string
LastUpdatedBy	<i>Optional.</i> The IAM user who last updated the event stream.	string

## 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.

### Topics

- [Import Job List \(p. 44\)](#)
- [Import Job List by Segment \(p. 46\)](#)
- [Import Job Instance \(p. 47\)](#)
- [Import Job Attributes \(p. 48\)](#)

## Import Job List

### URI

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

### Request Headers

Header	Description
accept	Specify the media type you will accept as a response:  application/json – A JSON response body.  application/hal+json – A HAL JSON response body that includes hyperlinks to related resources.

### HTTP Methods

#### GET

Use the GET method to request information about your import jobs.

#### GET Query String Parameters

Parameter	Description
page-size	The number of entries you want on each page in the response.
token	An identifier used to retrieve the next page of results. The token is null if no additional pages exist.

#### GET Response Syntax

```
{
  "Item": [
    {
      "ApplicationId": "string",
      "Id": "string",
      "Status": "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"
}
```

## POST

Use the POST method to create or update an import job.

### POST Request Body Syntax

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

### POST Response Syntax

```
{
  "ApplicationId": "string",
  "Id": "string",
  "Status": "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"
  }
}
```



## Import Job List by Segment

### URI

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

### Request Headers

Header	Description
accept	Specify the media type you will accept as a response:  application/json – A JSON response body.  application/hal+json – A HAL JSON response body that includes hyperlinks to related resources.

### HTTP Methods

#### GET

Use the GET method to request information about the import jobs for a segment.

#### GET Query String Parameters

Parameter	Description
page-size	The number of entries you want on each page in the response.
token	An identifier used to retrieve the next page of results. The token is null if no additional pages exist.

#### GET Response Syntax

```
{  
  "Item": [  
    {  
      "ApplicationId": "string",  
      "Id": "string",  
      "Status": "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"  
}
```

## Import Job Instance

### URI

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

### Request Headers

Header	Description
accept	Specify the media type you will accept as a response:  application/json – A JSON response body.  application/hal+json – A HAL JSON response body that includes hyperlinks to related resources.

### HTTP Methods

#### GET

Use the GET method to request information about an import job.

#### GET Response Syntax

```
{  
  "ApplicationId": "string",  
  "Id": "string",  
  "Status": "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"
  }
}

```

## Import Job Attributes

### ImportJobsResponse

Parameter	Description	Data Type
Item	A list of import jobs for the application.	Array[ <a href="#">ImportJobResponse</a> (p. 48)]
NextToken	<i>Optional</i> The string that you use in a subsequent request to get the next page of results in a paginated response.	string

### ImportJobResponse

Parameter	Description	Data Type
ApplicationId	The unique ID of the application to which the import job applies.	string
Id	The unique ID of the import job.	string
Status	The status of the import job.  Valid values: <code>CREATED</code> , <code>INITIALIZING</code> , <code>PROCESSING</code> , <code>COMPLETING</code> , <code>COMPLETED</code> , <code>FALLING</code> , <code>FAILED</code>  The job status is <code>FAILED</code> if one or more pieces failed to import.	string
CompletedPieces	<i>Optional.</i> The number of pieces that have successfully imported as of the time of the request.	integer
FailedPieces	<i>Optional.</i> The number of pieces that have failed to import as of the time of the request.	integer
TotalPieces	<i>Optional.</i>	integer

Parameter	Description	Data Type
	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.	
CreationDate	The date the import job was created in ISO 8601 format.	string
CompletionDate	The date the import job completed in ISO 8601 format.	string
Type	The job type. Will be <code>Import</code> .	string
TotalFailures	<i>Optional.</i> The number of endpoints that failed to import; for example, because of syntax errors.	integer
TotalProcessed	<i>Optional.</i> The number of endpoints that were processed by the import job.	integer
Failures	<i>Optional.</i> Provides up to 100 of the first failed entries for the job, if any exist.	Array[string]
Definition	The import job settings.	<a href="#">ImportJobResource (p. 49)</a>

### ImportJobResource

Parameter	Description	Data Type
S3Url	A URL that points to the location within an Amazon S3 bucket that contains the endpoints to import. The location can be a folder or a single file.  The URL should follow this format: <code>s3://bucket-name/folder-name/file-name</code>  Amazon Pinpoint will import endpoints from this location and any subfolders it contains.	string
RoleArn	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.	string

Parameter	Description	Data Type
ExternalId	A unique, custom ID assigned to the IAM role that restricts who can assume the role.	string
Format	The format of the files that contain the endpoint definitions.  Valid values: <code>CSV</code> , <code>JSON</code>	string
RegisterEndpoints	<i>Optional.</i>  Sets whether the endpoints are registered with Amazon Pinpoint when they are imported.	boolean
DefineSegment	<i>Optional.</i>  Sets whether the endpoints create a segment when they are imported.	boolean
SegmentName	<i>Optional.</i>  A custom name for the segment created by the import job. Use if <code>DefineSegment</code> is <code>true</code> .	string
SegmentId	<i>Optional.</i>  The ID of the segment to update if the import job is meant to update an existing segment.	string

## 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 or 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. For more information, see [Importing Segments](#) in the *Amazon Pinpoint Developer Guide*.

### Topics

- [Segments List](#) (p. 51)
- [Segment Instance](#) (p. 54)
- [Segment Versions List](#) (p. 59)
- [Segment Version Instance](#) (p. 61)
- [Segment Attributes](#) (p. 62)

# Segments List

## URI

```
/apps/application-id/segments
```

## Request Headers

Header	Description
accept	Specify the media type you will accept as a response:  application/json – A JSON response body.  application/hal+json – A HAL JSON response body that includes hyperlinks to related resources.

## HTTP Methods

### GET

Use the GET method to request information about your segments.

#### GET Query String Parameters

Parameter	Description
page-size	The number of entries you want on each page in the response.
token	An identifier used to retrieve the next page of results. The token is null if no additional pages exist.

#### GET Response Syntax

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

```
    ]
  },
  "Make": {
    "Type": "INCLUSIVE",
    "Values": [
      "string"
    ]
  },
  "Model": {
    "Type": "INCLUSIVE",
    "Values": [
      "string"
    ]
  }
},
"Location": {
  "Country": {
    "Type": "INCLUSIVE",
    "Values": [
      "string"
    ]
  }
},
"Behavior": {
  "Recency": {
    "Type": "ACTIVE",
    "Duration": "HR_24"
  }
},
"Attributes": {}
},
"Id": "string",
"ApplicationId": "string",
"CreationDate": "string",
"LastModifiedDate": "string",
"Version": 0,
"Type": "DIMENSIONAL",
"ImportDefinition": {
  "Size": 0,
  "S3Url": "string",
  "RoleArn": "string",
  "ExternalId": "string",
  "Format": "CSV"
}
}
],
"NextToken": "string"
}
```

## POST

Use the POST method to create or update a segment.

### POST Request Body Syntax

```
{
  "Name": "string",
  "Dimensions": {
    "Demographic": {
      "Platform": {
        "Type": "INCLUSIVE",
        "Values": [
          "string"
        ]
      }
    }
  }
}
```

```
    },
    "DeviceType": {
      "Type": "INCLUSIVE",
      "Values": [
        "string"
      ]
    },
    "AppVersion": {
      "Type": "INCLUSIVE",
      "Values": [
        "string"
      ]
    },
    "Make": {
      "Type": "INCLUSIVE",
      "Values": [
        "string"
      ]
    },
    "Model": {
      "Type": "INCLUSIVE",
      "Values": [
        "string"
      ]
    },
    "Location": {
      "Country": {
        "Type": "INCLUSIVE",
        "Values": [
          "string"
        ]
      }
    },
    "Behavior": {
      "Recency": {
        "Type": "ACTIVE",
        "Duration": "HR_24"
      }
    },
    "Attributes": {}
  }
}
```

## POST Response Syntax

```
{
  "Name": "string",
  "Dimensions": {
    "Demographic": {
      "Platform": {
        "Type": "INCLUSIVE",
        "Values": [
          "string"
        ]
      },
      "DeviceType": {
        "Type": "INCLUSIVE",
        "Values": [
          "string"
        ]
      },
      "AppVersion": {
        "Type": "INCLUSIVE",
```



```

        "Values": [
            "string"
        ]
    },
    "Make": {
        "Type": "INCLUSIVE",
        "Values": [
            "string"
        ]
    },
    "Model": {
        "Type": "INCLUSIVE",
        "Values": [
            "string"
        ]
    }
},
"Location": {
    "Country": {
        "Type": "INCLUSIVE",
        "Values": [
            "string"
        ]
    }
},
"Behavior": {
    "Recency": {
        "Type": "ACTIVE",
        "Duration": "HR_24"
    }
},
"Attributes": {}
},
"Id": "string",
"ApplicationId": "string",
"CreationDate": "string",
"LastModifiedDate": "string",
"Version": 0,
"Type": "DIMENSIONAL",
"ImportDefinition": {
    "Size": 0,
    "S3Url": "string",
    "RoleArn": "string",
    "ExternalId": "string",
    "Format": "CSV"
}
}

```

## Segment Instance

### URI

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

### Request Headers

Header	Description
accept	Specify the media type you will accept as a response:  application/json – A JSON response body.

Header	Description
	application/hal+json – A HAL JSON response body that includes hyperlinks to related resources.

## HTTP Methods

### GET

Use the GET method to request information about a segment.

#### GET Response Syntax

```
{
  "Name": "string",
  "Dimensions": {
    "Demographic": {
      "Platform": {
        "Type": "INCLUSIVE",
        "Values": [
          "string"
        ]
      },
      "DeviceType": {
        "Type": "INCLUSIVE",
        "Values": [
          "string"
        ]
      },
      "AppVersion": {
        "Type": "INCLUSIVE",
        "Values": [
          "string"
        ]
      },
      "Make": {
        "Type": "INCLUSIVE",
        "Values": [
          "string"
        ]
      },
      "Model": {
        "Type": "INCLUSIVE",
        "Values": [
          "string"
        ]
      }
    },
    "Location": {
      "Country": {
        "Type": "INCLUSIVE",
        "Values": [
          "string"
        ]
      }
    },
    "Behavior": {
      "Recency": {
        "Type": "ACTIVE",
        "Duration": "HR_24"
      }
    }
  },
}
```

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

## PUT

Use the PUT method to update a segment.

### PUT Request Body Syntax

```
{  
  "Name": "string",  
  "Dimensions": {  
    "Demographic": {  
      "Platform": {  
        "Type": "INCLUSIVE",  
        "Values": [  
          "string"  
        ]  
      },  
      "DeviceType": {  
        "Type": "INCLUSIVE",  
        "Values": [  
          "string"  
        ]  
      },  
      "AppVersion": {  
        "Type": "INCLUSIVE",  
        "Values": [  
          "string"  
        ]  
      },  
      "Make": {  
        "Type": "INCLUSIVE",  
        "Values": [  
          "string"  
        ]  
      },  
      "Model": {  
        "Type": "INCLUSIVE",  
        "Values": [  
          "string"  
        ]  
      }  
    },  
    "Location": {  
      "Country": {  
        "Type": "INCLUSIVE",  
        "Values": [  
          "string"  
        ]  
      }  
    }  
  }  
}
```

```
    }
  },
  "Behavior": {
    "Recency": {
      "Type": "ACTIVE",
      "Duration": "HR_24"
    }
  },
  "Attributes": {}
}
```

### PUT Response Syntax

```
{
  "Name": "string",
  "Dimensions": {
    "Demographic": {
      "Platform": {
        "Type": "INCLUSIVE",
        "Values": [
          "string"
        ]
      },
      "DeviceType": {
        "Type": "INCLUSIVE",
        "Values": [
          "string"
        ]
      },
      "AppVersion": {
        "Type": "INCLUSIVE",
        "Values": [
          "string"
        ]
      },
      "Make": {
        "Type": "INCLUSIVE",
        "Values": [
          "string"
        ]
      },
      "Model": {
        "Type": "INCLUSIVE",
        "Values": [
          "string"
        ]
      }
    },
    "Location": {
      "Country": {
        "Type": "INCLUSIVE",
        "Values": [
          "string"
        ]
      }
    },
    "Behavior": {
      "Recency": {
        "Type": "ACTIVE",
        "Duration": "HR_24"
      }
    },
    "Attributes": {}
  }
}
```

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

## DELETE

Use the DELETE method to delete a segment.

### DELETE Response Syntax

```
{
  "Name": "string",
  "Dimensions": {
    "Demographic": {
      "Platform": {
        "Type": "INCLUSIVE",
        "Values": [
          "string"
        ]
      },
      "DeviceType": {
        "Type": "INCLUSIVE",
        "Values": [
          "string"
        ]
      },
      "AppVersion": {
        "Type": "INCLUSIVE",
        "Values": [
          "string"
        ]
      },
      "Make": {
        "Type": "INCLUSIVE",
        "Values": [
          "string"
        ]
      },
      "Model": {
        "Type": "INCLUSIVE",
        "Values": [
          "string"
        ]
      }
    },
    "Location": {
      "Country": {
        "Type": "INCLUSIVE",
        "Values": [
          "string"
        ]
      }
    }
  }
}
```

```

    },
    "Behavior": {
      "Recency": {
        "Type": "ACTIVE",
        "Duration": "HR_24"
      }
    },
    "Attributes": {}
  },
  "Id": "string",
  "ApplicationId": "string",
  "CreationDate": "string",
  "LastModifiedDate": "string",
  "Version": 0,
  "Type": "DIMENSIONAL",
  "ImportDefinition": {
    "Size": 0,
    "S3Url": "string",
    "RoleArn": "string",
    "ExternalId": "string",
    "Format": "CSV"
  }
}

```

## Segment Versions List

### URI

/apps/*application-id*/segment/*segment-id*/versions

### Request Headers

Header	Description
accept	Specify the media type you will accept as a response:  application/json – A JSON response body.  application/hal+json – A HAL JSON response body that includes hyperlinks to related resources.

### HTTP Methods

#### GET

Use the GET method to request information about your segment versions.

#### GET Query String Parameters

Parameter	Description
page-size	The number of entries you want on each page in the response.
token	An identifier used to retrieve the next page of results. The token is null if no additional pages exist.

## GET Response Syntax

```
{
  "Item": [
    {
      "Name": "string",
      "Dimensions": {
        "Demographic": {
          "Platform": {
            "Type": "INCLUSIVE",
            "Values": [
              "string"
            ]
          },
          "DeviceType": {
            "Type": "INCLUSIVE",
            "Values": [
              "string"
            ]
          },
          "AppVersion": {
            "Type": "INCLUSIVE",
            "Values": [
              "string"
            ]
          },
          "Make": {
            "Type": "INCLUSIVE",
            "Values": [
              "string"
            ]
          },
          "Model": {
            "Type": "INCLUSIVE",
            "Values": [
              "string"
            ]
          }
        },
        "Location": {
          "Country": {
            "Type": "INCLUSIVE",
            "Values": [
              "string"
            ]
          }
        },
        "Behavior": {
          "Recency": {
            "Type": "ACTIVE",
            "Duration": "HR_24"
          }
        },
        "Attributes": {}
      },
      "Id": "string",
      "ApplicationId": "string",
      "CreationDate": "string",
      "LastModifiedDate": "string",
      "Version": 0,
      "Type": "DIMENSIONAL",
      "ImportDefinition": {
        "Size": 0,
        "S3Url": "string",
        "RoleArn": "string",
      }
    }
  ]
}
```

```
    "ExternalId": "string",  
    "Format": "CSV"  
  }  
},  
"NextToken": "string"  
}
```

## Segment Version Instance

### URI

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

### Request Headers

Header	Description
accept	Specify the media type you will accept as a response:  application/json – A JSON response body.  application/hal+json – A HAL JSON response body that includes hyperlinks to related resources.

## HTTP Methods

### GET

Use the GET method to request information about a segment version.

#### GET Response Syntax

```
{  
  "Name": "string",  
  "Dimensions": {  
    "Demographic": {  
      "Platform": {  
        "Type": "INCLUSIVE",  
        "Values": [  
          "string"  
        ]  
      },  
      "DeviceType": {  
        "Type": "INCLUSIVE",  
        "Values": [  
          "string"  
        ]  
      },  
      "AppVersion": {  
        "Type": "INCLUSIVE",  
        "Values": [  
          "string"  
        ]  
      },  
      "Make": {  
        "Type": "INCLUSIVE",  
        "Values": [  
          "string"  
        ]  
      }  
    }  
  }  
}
```



```

        "string"
      ]
    },
    "Model": {
      "Type": "INCLUSIVE",
      "Values": [
        "string"
      ]
    }
  },
  "Location": {
    "Country": {
      "Type": "INCLUSIVE",
      "Values": [
        "string"
      ]
    }
  },
  "Behavior": {
    "Recency": {
      "Type": "ACTIVE",
      "Duration": "HR_24"
    }
  },
  "Attributes": {}
},
"Id": "string",
"ApplicationId": "string",
"CreationDate": "string",
"LastModifiedDate": "string",
"Version": 0,
"Type": "DIMENSIONAL",
"ImportDefinition": {
  "Size": 0,
  "S3Url": "string",
  "RoleArn": "string",
  "ExternalId": "string",
  "Format": "CSV"
}
}
}

```

## Segment Attributes

### SegmentResponse

Parameter	Description	Data Type
Name	The custom segment name.	string
Dimensions	<i>Optional.</i> The segment dimensions attributes.	<a href="#">SegmentDimensions (p. 63)</a>
Id	The unique segment ID.	string
ApplicationId	The ID of the application to which the segment applies.	string
CreationDate	The date the segment was created in ISO 8601 format.	string
LastModifiedDate	<i>Optional.</i>	string

Parameter	Description	Data Type
	The date the segment was last updated in ISO 8601 format.	
Version	<i>Optional.</i> The segment version number.	integer
Type	The segment type: <ul style="list-style-type: none"> <li><b>DIMENSIONAL</b> – 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.</li> <li><b>IMPORT</b> – 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.</li> </ul>	string
ImportDefinition	<i>Optional.</i> The import job settings.	<a href="#">SegmentImportResource (p. 64)</a>

### SegmentDimensions

Parameter	Description	Data Type
Demographic	<i>Optional.</i> The segment demographics attributes.	<a href="#">SegmentDemographics (p. 64)</a>
Location	<i>Optional.</i> The segment location attributes.	<a href="#">SegmentLocation (p. 65)</a>
Behavior	<i>Optional.</i> The segment behaviors attributes.	<a href="#">SegmentBehaviors (p. 65)</a>
Attributes	<i>Optional.</i> Custom segment attributes.	SegmentAttributes

### SegmentImportResource

Parameter	Description	Data Type
Size	The number of endpoints that were successfully imported to create this segment.	integer
S3Url	A URL that points to the Amazon S3 location from which the endpoints for this segment were imported.	string
RoleArn	The Amazon Resource Name (ARN) of an IAM role that grants Amazon Pinpoint access to the endpoints in Amazon S3.	string
ExternalId	A unique, custom ID assigned to the IAM role that restricts who can assume the role.	string
Format	The format of the endpoint files that were imported to create this segment.  Valid values: CSV, JSON	string

### SegmentDemographics

Parameter	Description	Data Type
Platform	<i>Optional.</i> The device platform criteria for the segment.	<a href="#">SetDimension (p. 65)</a>
DeviceType	<i>Optional.</i> The device type criteria for the segment.	<a href="#">SetDimension (p. 65)</a>
AppVersion	<i>Optional.</i> The app version criteria for the segment.	<a href="#">SetDimension (p. 65)</a>
Make	<i>Optional.</i> The device make criteria for the segment.	<a href="#">SetDimension (p. 65)</a>
Model	<i>Optional.</i> The device model criteria for the segment.	<a href="#">SetDimension (p. 65)</a>

### SegmentLocation

Parameter	Description	Data Type
Country	<i>Optional.</i> The country criteria for the segment.	<a href="#">SetDimension (p. 65)</a>

### SegmentBehaviors

Parameter	Description	Data Type
Recency	<i>Optional.</i> The recency criteria for the segment.	<a href="#">RecencyDimension (p. 65)</a>

### SetDimension

Parameter	Description	Data Type
Type	The type of dimension: <ul style="list-style-type: none"> <li>• <b>INCLUSIVE</b> – Endpoints that match the criteria are included in the segment.</li> <li>• <b>EXCLUSIVE</b> – Endpoints that match the criteria are excluded from the segment.</li> </ul> Valid values: <b>INCLUSIVE</b> , <b>EXCLUSIVE</b>	string
Values	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.	Array[string]

### RecencyDimension

Parameter	Description	Data Type
Type	The recency dimension type: <ul style="list-style-type: none"> <li>• <b>ACTIVE</b> – Users who have used your app within the specified duration are included in the segment.</li> <li>• <b>INACTIVE</b> – Users who have not used your app within the specified duration are included in the segment.</li> </ul>	string
Duration	The length of time during which users have been active or inactive with your app.	string

Parameter	Description	Data Type
	Valid values: HR_24, DAY_7, DAY_14, DAY_30	

## 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.

### Topics

- [URI \(p. 66\)](#)
- [Request Headers \(p. 66\)](#)
- [HTTP Methods \(p. 66\)](#)
- [Settings Attributes \(p. 67\)](#)

## URI

```
/apps/application-id/settings
```

## Request Headers

Header	Description
accept	Specify the media type you will accept as a response:  application/json – A JSON response body.  application/hal+json – A HAL JSON response body that includes hyperlinks to related resources.

## HTTP Methods

### GET

Use the GET method to request the settings for an app.

### GET Response Syntax

```
{
  "ApplicationId": "string",
  "LastModifiedDate": "string",
  "QuietTime": {
    "Start": "string",
    "End": "string"
  },
  "Limits": {
    "Daily": 0,
```

```

    "Total": 0
  }
}

```

## PUT

Use the PUT method to update the settings for an app.

### PUT Request Body Syntax

```

{
  "QuietTime": {
    "Start": "string",
    "End": "string"
  },
  "Limits": {
    "Daily": 0,
    "Total": 0
  }
}

```

### PUT Response Syntax

```

{
  "ApplicationId": "string",
  "LastModifiedDate": "string",
  "QuietTime": {
    "Start": "string",
    "End": "string"
  },
  "Limits": {
    "Daily": 0,
    "Total": 0
  }
}

```

## Settings Attributes

### ApplicationSettingsResource

Parameter	Description	Data Type
ApplicationId	The unique ID for the application.	string
LastModifiedDate	<i>Optional.</i> The date that the settings were last updated in ISO 8601 format.	string
QuietTime	<i>Optional.</i> The default quiet time for the app. Each campaign for this app sends no messages during this time unless the campaign overrides the default with a quiet time of its own.	<a href="#">QuietTime (p. 68)</a>
Limits	<i>Optional.</i>	<a href="#">CampaignLimits (p. 68)</a>

Parameter	Description	Data Type
	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

Parameter	Description	Data Type
Start	<i>Optional</i> The default start time for quiet time in ISO 8601 format.	string
End	<i>Optional</i> The default end time for quiet time in ISO 8601 format.	string

### CampaignLimits

Parameter	Description	Data Type
Daily	<i>Optional</i> The total number of messages that a user can receive before each campaign stops sending messages to that user.	integer
Total	<i>Optional</i> The total number of messages that each campaign for the app can send.	integer