

# 1 Campaign API Reference

Campaigns in Taboola are where you set your branding text, budget, and CPC, as well as the audience you want to target. A campaign is a group of campaign items. All campaign items in a campaign will have the same targeting, CPC and draw from the same budget.

You will need to create and set up a new campaign before your campaign items can go live on Taboola's network.

The following operations are available via the API:

1. Fetch a list of campaigns - Fetch a list of campaigns associated with a specific partner account.
2. Fetch a single campaign - Fetch a single campaign resource using a campaign ID.
3. Create a campaign - Create a new campaign under a specific partner account.
4. Update a campaign - Update an existing campaign of a specific partner account.
5. Delete a campaign - Terminate an existing campaign.
6. Duplicate a campaign - Create a new campaign from existing under a specific partner account.

## 1.1 Cheat Sheet



This is merely a quick reference of the available endpoints. For further information please continue to the sections below.

Description	Method	Path (prefix: /backstage/api/1.0)
Fetch a list of campaigns associated with an account. <a href="#">More info</a>	GET	/[account-id]/campaigns/
Fetch a specific campaign associated with an account. <a href="#">More info</a>	GET	/[account-id]/campaigns/[campaign-id]/
Create a new campaign for an account. <a href="#">More info</a>	POST	/[account-id]/campaigns/

Update an existing campaign. <a href="#">More info</a>	POST, PUT	/[account-id]/campaigns/[campaign-id]/
Delete a campaign. <a href="#">More info</a>	DELETE	/[account-id]/campaigns/[campaign-id]/
Duplicate campaign. <a href="#">More info</a>	POST	/[account-id]/campaigns/[campaign-id]/duplicate
Patch campaign.	PATCH	/[account-id]/campaigns/[campaign-id]/



Reading, creating, updating or duplicating campaigns is only possible when the [account-id] references an account with ADVERTISER in its partner\_types field. Trying to send a request with a non-advertiser account will result in a 404 Not Found response.

## 1.2 Campaign Resources

### 1.2.1 Fields



**Required** fields are fields that must be sent to the server when creating a new resource.

**Read-only** fields are fields that should never be sent to the server, and will appear only when *fetching* a resource.

**Final** fields are set once when creating the resource, and become *read-only* afterwards.

Name	Modifier & Defaults	Type	Description
id	Read-only	String	The unique numeric ID of a campaign (returned as a string).
advertiser_id	Read-only	String	The account_id of the campaign's advertiser account.
name	Required	String Max length: 200	Human-readable name for the campaign.

branding_text	Required	String Max length: 25	This text will appear below the title of each of your items.						
tracking_code	Default: "utm_source=taboola&utm_medium=referral"	String Max length: 255	Query-string parameter added to the URL of your items, so you can track the traffic generated from Taboola.						
cpc	Required	Double Must be in the allowed range of the resource's account.	Cost per Click						
daily_cap	Default: 0.0	Double Must be lower than the <code>spending_limit</code> <i>0.0 means "unlimited"</i>							
daily_ad_delivery_model	Default:  Depending on <code>daily_cap</code> field (for backward compatibility):  If <code>daily_cap</code> exists and is > 0, this field defaults to "STRICT"; otherwise it defaults to "ACCELERATED".	String Possible values: <table><tr><td>BALANCED</td><td>The daily cap will be balanced each day of the month according to the monthly budget. Daily Cap must be empty.</td></tr><tr><td>ACCELERATED</td><td>The campaign will be delivered without a daily cap. This is the same as setting the <code>daily_cap</code> to 0.0.</td></tr><tr><td>STRICT</td><td>The campaign's daily cap will be a strict one, determined by the</td></tr></table>	BALANCED	The daily cap will be balanced each day of the month according to the monthly budget. Daily Cap must be empty.	ACCELERATED	The campaign will be delivered without a daily cap. This is the same as setting the <code>daily_cap</code> to 0.0.	STRICT	The campaign's daily cap will be a strict one, determined by the	The Daily Ad Delivery model (combined with the Daily Cap) defines the way the campaign will be delivered on a daily basis. Each type represents a different approach to how the campaign budget will be spent.
BALANCED	The daily cap will be balanced each day of the month according to the monthly budget. Daily Cap must be empty.								
ACCELERATED	The campaign will be delivered without a daily cap. This is the same as setting the <code>daily_cap</code> to 0.0.								
STRICT	The campaign's daily cap will be a strict one, determined by the								

		<table><tr><td></td><td>daily_cap field.This is the same as setting the daily_cap to higher than 0.0.</td></tr></table>		daily_cap field.This is the same as setting the daily_cap to higher than 0.0.			
	daily_cap field.This is the same as setting the daily_cap to higher than 0.0.						
publisher_bid_modifier	Default: <a href="#">Publisher Bid Modifier Object</a> with values=[]	<a href="#">Publisher Bid Modifier Object</a>	An object representing the wanted publisher bid modifiers for this campaign				
publisher_bid_strategy_modifiers	Default: Publisher Bid Strategy modifiers object with values=[]	1.2.12.2 Publisher Bid Strategy Modifiers object	An object representing the desired publisher bid strategy modifiers for this campaign. The publisher bid strategy modifier is the change in the bid strategy for a specific publisher.				
spending_limit	Required	Double Must be higher than the following fields: cpc, daily_cap	The maximum amount of money a campaign can consume.				
spending_limit_model	Required	String Most updated possible values are accessible via the Dictionary. These are the current ones: <table><tr><td>MONTHLY</td><td>Monthly recurring budget</td></tr><tr><td>ENTIRE</td><td>Non-recurring budget</td></tr></table>	MONTHLY	Monthly recurring budget	ENTIRE	Non-recurring budget	The Spending Limit model defines whether the campaign will have a monthly recurring budget (which replenishes automatically each month), or an overall budget.
MONTHLY	Monthly recurring budget						
ENTIRE	Non-recurring budget						

country_targeting	Default: <a href="#">Targeting Object</a> with type=ALL	<a href="#">Targeting Object</a> NULL means run on all countries.  Possible targeting values: 2-letter country code as defined by <a href="#">ISO-3166</a> ; Most updated possible values are accessible via the Dictionary.	List of countries the campaign will target or exclude.						
sub_country_targeting	Default: <a href="#">Targeting Object</a> with type=ALL	<a href="#">Targeting Object</a> NULL means run on all regions/DMA's.  This feature can only be used if only one country is used in country targeting in 'INCLUDE' mode, and the region or DMA codes must be relevant to that country. In addition, this can be used for region targeting or DMA targeting (DMAs are only in the US), but not both at the same time.  Possible targeting values: Most updated possible values are accessible via the Dictionary.	List of regions or DMA's the campaign will target or exclude.						
postal_code_targeting	Read-only Default: <a href="#">Targeting Object</a> with type=ALL	<a href="#">Targeting Object</a> NULL means run on all postal codes.	In case of a non-default value,holds a reference to full postal code targeting details.						
platform_targeting	Default: <a href="#">Targeting Object</a> with type=ALL	<a href="#">Targeting Object</a> (INCLUDE only)  NULL means to run on all platform device types.  Most updated possible values are accessible via the Dictionary. These are the current ones: <table border="1"><tr><td>DESK</td><td>Desktop</td></tr><tr><td>PHON</td><td>Smartphone</td></tr><tr><td>TBLT</td><td>Tablet</td></tr></table>	DESK	Desktop	PHON	Smartphone	TBLT	Tablet	List of platform device types (desktop/tablet/smartphone) to run the campaign on. NULL means to run on all platform device types.
DESK	Desktop								
PHON	Smartphone								
TBLT	Tablet								

os_targeting	Default: <a href="#">Targeting Object</a> with type=ALL	<a href="#">Targeting Object</a> NULL means run on all operating systems.  The targeting object value should contain the list of OSTargetingModels.  Possible targeting OS Families and their Sub-Categories values: Most updated possible values are accessible via the Dictionary. Here are the current OS Families: <table><tr><td>Mac OS X</td></tr><tr><td>Linux</td></tr><tr><td>Windows</td></tr><tr><td>iOS</td></tr><tr><td>Android</td></tr></table>	Mac OS X	Linux	Windows	iOS	Android	List of operating systems to target/exclude the campaign on.
Mac OS X								
Linux								
Windows								
iOS								
Android								
publisher_targeting	Default: <a href="#">Targeting Object</a> with type=ALL	<a href="#">Targeting Object</a> (EXCLUDE only)  NULL means to run on all publishers.  Possible targeting values: account_id of various accounts.	List of partner accounts' account_id to blacklist from publishing this campaign.The account_id must reference an account with type=PARTNER.					
audience_segments_multi_targeting	Read-only Default: <a href="#">Multi Targeting Object</a> with state=ALL	<a href="#">Multi Targeting Object</a>	In case of EXISTS state, holds a reference to full audience segments' targeting details.					
comments	Default: "" (empty string)	String Max length: 1000	Campaign comments.					
start_date	Final	Date (ISO 8601)						

	Default: <Now> OR: NULL (for non-privileged users)	Must be today or later.				
end_date	Default: "9999-12-31"	Date (ISO 8601) Must be later than start_date. Can be modified only if status!=EXPIRED.				
approval_state	Default: PENDING OR APPROVED (for users with the appropriate permissions)	String Requires certain permissions to modify.  Most updated possible values are accessible via the Dictionary. These are the current ones: <table><tr><td>APPROVED</td></tr><tr><td>REJECTED</td></tr><tr><td>PENDING<sup>1</sup></td></tr></table>	APPROVED	REJECTED	PENDING <sup>1</sup>	This field determines whether the campaign is approved to be served. The campaign can only be served if its approval_state is APPROVED.  This field affects the status of the campaign.
APPROVED						
REJECTED						
PENDING <sup>1</sup>						
is_active	Default: true	Boolean	If true, the campaign is active and may serve ads if its status is RUNNING.  If false, the campaign is currently not serving ads, and its status will be PAUSED.			
spent	Read-only	Double	Represents the estimated amount of money this campaign has consumed.			
status	Read-only	String Most updated possible values are accessible via the Dictionary. These are the current ones:				

		<table><tr><td>RUNNING</td><td>Campaign is currently live and serving ads.</td></tr><tr><td>PAUSED</td><td>Campaign is currently paused and not serving ads.</td></tr><tr><td>PENDING_START_DATE</td><td>Campaign is pending its start_date.</td></tr><tr><td>DEPLETED_MONTHLY</td><td>Campaign has depleted its MONTHLY spending_limit.</td></tr><tr><td>DEPLETED</td><td>Campaign has depleted its ENTIRE spending_limit.</td></tr><tr><td>EXPIRED</td><td>Campaign's end_date has passed.</td></tr><tr><td>TERMINATED</td><td>Campaign was manually terminated.</td></tr><tr><td>FROZEN</td><td>Campaign's advertiser account is frozen due to billing issues.</td></tr><tr><td>PENDING_APPROVAL</td><td>Campaign is being reviewed by the Taboola content review team and its approval_status is set to PENDING.</td></tr><tr><td>REJECTED</td><td>Campaign has approval_status set to REJECTED, due to the campaign or campaign items being in violation of Taboola's advertising policies.</td></tr></table>	RUNNING	Campaign is currently live and serving ads.	PAUSED	Campaign is currently paused and not serving ads.	PENDING_START_DATE	Campaign is pending its start_date.	DEPLETED_MONTHLY	Campaign has depleted its MONTHLY spending_limit.	DEPLETED	Campaign has depleted its ENTIRE spending_limit.	EXPIRED	Campaign's end_date has passed.	TERMINATED	Campaign was manually terminated.	FROZEN	Campaign's advertiser account is frozen due to billing issues.	PENDING_APPROVAL	Campaign is being reviewed by the Taboola content review team and its approval_status is set to PENDING.	REJECTED	Campaign has approval_status set to REJECTED, due to the campaign or campaign items being in violation of Taboola's advertising policies.
RUNNING	Campaign is currently live and serving ads.																					
PAUSED	Campaign is currently paused and not serving ads.																					
PENDING_START_DATE	Campaign is pending its start_date.																					
DEPLETED_MONTHLY	Campaign has depleted its MONTHLY spending_limit.																					
DEPLETED	Campaign has depleted its ENTIRE spending_limit.																					
EXPIRED	Campaign's end_date has passed.																					
TERMINATED	Campaign was manually terminated.																					
FROZEN	Campaign's advertiser account is frozen due to billing issues.																					
PENDING_APPROVAL	Campaign is being reviewed by the Taboola content review team and its approval_status is set to PENDING.																					
REJECTED	Campaign has approval_status set to REJECTED, due to the campaign or campaign items being in violation of Taboola's advertising policies.																					
bid_type	Default: FIXED	<p>String</p> <p>This field defines whether the CPC bid is fixed or optimized (Also known as SmartBid), based on the objective.</p> <p>Most updated possible values are accessible via the Dictionary. These are the current ones:</p> <table><tr><td>FIXED</td><td>Fixed cpc</td></tr><tr><td>OPTIMIZED_CONVERSIONS</td><td>Optimized CPC for conversions.</td></tr></table>	FIXED	Fixed cpc	OPTIMIZED_CONVERSIONS	Optimized CPC for conversions.																
FIXED	Fixed cpc																					
OPTIMIZED_CONVERSIONS	Optimized CPC for conversions.																					



traffic_allocation_mode	Default OPTIMIZED	String Max length: 20									
		<table><tr><th>Value</th><th>Description</th></tr><tr><td>OPTIMIZED</td><td>(Recommended) The exposure of the creatives in your campaign will be determined by our algorithm, and your most engaging creatives will be served more than others.</td></tr><tr><td>EVEN</td><td>The creatives of your campaign will be exposed evenly, based on the traffic that is being allocated for your campaign.</td></tr></table>		Value	Description	OPTIMIZED	(Recommended) The exposure of the creatives in your campaign will be determined by our algorithm, and your most engaging creatives will be served more than others.	EVEN	The creatives of your campaign will be exposed evenly, based on the traffic that is being allocated for your campaign.		
Value	Description										
OPTIMIZED	(Recommended) The exposure of the creatives in your campaign will be determined by our algorithm, and your most engaging creatives will be served more than others.										
EVEN	The creatives of your campaign will be exposed evenly, based on the traffic that is being allocated for your campaign.										
activity_schedule	N/A	<a href="#">Activity Schedule</a> object	Object including scheduling parameters for serving only during specific days and hours.								
marketing_objective	None <b>(Starting March 18th, this field will become required and “None” value will not be supported)</b>	String possible values: Main goal for campaign									
		<table><tr><td>BRAND_AWARENESS</td><td>Extent to which customers are able to recall or recognise a brand</td></tr><tr><td>LEADS_GENERATION</td><td>Marketing tactics aimed at finding potential customers with specific contact information</td></tr><tr><td>ONLINE_PURCHASES</td><td>Online product selling</td></tr><tr><td>DRIVE_WEBSITE_TRAFFIC</td><td>The Amount of sent and received by visitors to a website</td></tr></table>		BRAND_AWARENESS	Extent to which customers are able to recall or recognise a brand	LEADS_GENERATION	Marketing tactics aimed at finding potential customers with specific contact information	ONLINE_PURCHASES	Online product selling	DRIVE_WEBSITE_TRAFFIC	The Amount of sent and received by visitors to a website
BRAND_AWARENESS	Extent to which customers are able to recall or recognise a brand										
LEADS_GENERATION	Marketing tactics aimed at finding potential customers with specific contact information										
ONLINE_PURCHASES	Online product selling										
DRIVE_WEBSITE_TRAFFIC	The Amount of sent and received by visitors to a website										

		MOBILE_APP_INSTALL	Install app on mobile
		None (Starting March 18th, this field will become mandatory and "None" value will not be supported)	No Marketing objective



Trying to set field values which do not adhere to their restrictions will result in a **400 Bad Request** error response.

### 1.2.2 Campaign Spending Models

The spending model type of a certain campaign is determined by setting the value of its `spending_limit_model` field. Generally speaking, campaigns have two possible spending models:

- **Entire Budget** - The `spending_limit` field of the campaign represents the entire amount of money this campaign can consume. This means that once the budget is depleted, the campaign will stop running, and its `status` will be changed to `DEPLETED`.
- **Monthly Budget** - The `spending_limit` field of the campaign represents the amount of money this campaign can consume *each month*. This means that once a campaign depletes its budget, the campaign will stop running, and its `status` will be changed to `MONTHLY_DEPLETED`. Once a new month begins, the campaign's budget will replenish and the campaign will start running again.

Setting the field to `ENTIRE` will set the spending model of the campaign to "Entire Budget", while `MONTHLY` will set it to "Monthly Budget".

### 1.2.4 Publisher Bid Modifier Object

### 1.2.4.1 Fields

Name	Modifier & Defaults	Type	Description
values	<b>Default:</b> []	Array< <a href="#">Targeted Bid Modifier Object</a> > NULL means no change to targeted bid modifiers. [] means no targeted bid modifiers.	An object representing the targeted publisher's bid modifiers.

## 1.2.5 Targeted Bid Modifier Object

### 1.2.5.1 Fields

Name	Modifier & Defaults	Type	Description
target	<b>Required</b>	String The name of the target to associated this bid boost modifier	When using in the context of " <a href="#">Publisher Bid Modifier Object</a> ", the target is publisher name.
cpc_modification	<b>Required</b>	Double Must be between values 0.011 - 2.0 (Cpc boost value must be between -99% and 100%)	

## 1.2.6 Activity Schedule Object

### 1.2.6.1 Fields

Name	Modifier & Defaults	Type	Description
mode	Required Default: ALWAYS	String Most updated possible values are accessible via the	This field defines whether the campaign will run

		<p>Dictionary. These are the current ones:</p> <table><tr><td>ALWAYS</td><td>Run always</td></tr><tr><td>CUSTOM</td><td>Run by schedule</td></tr></table>	ALWAYS	Run always	CUSTOM	Run by schedule	always, or run by schedule.
ALWAYS	Run always						
CUSTOM	Run by schedule						
rules	Default: []	<p>Array&lt;Activity Schedule Item Object&gt; NULL or empty should be in the ALWAYS mode. In CUSTOM mode this cannot be NULL or empty, and specific schedule rules should be set.</p>	The list of rules for campaign scheduling.				
time_zone	N/A	<p>String NULL means a default timezone, which is the timezone of the account. All supported values are accessible via the Dictionary.</p>	The timezone of the campaign scheduling rules.				

- |          |  |
|----------|--|
| <b>i</b> | When a user modifies a campaign with mode=ALWAYS, the field rules must be NULL or empty. Otherwise an error will be returned.  |
| <b>i</b> | When a user modifies a campaign with mode=CUSTOM, the field rules must not be NULL or empty.   |
| <b>i</b> | A user can only set one specific time period per day. To add an additional time period, the campaign needs to be copied and another scheduling rule needs to be created. |
| <b>i</b> | By default if a particular day isn't set in the list of rules, then the campaign should run that entire day.   |

### 1.2.7 Activity Schedule Item Object

### 1.2.7.1 Fields

Name	Modifier & Defaults	Type	Description
type	Required	String Most updated possible values are accessible via the Dictionary. These are the current ones: <div><div>INCLUDE</div><div>EXCLUDE</div></div>	The type of schedule's rule, which defines whether the campaign will or will not run on some interval of some day.
day	Required	String Most updated possible values are accessible via the Dictionary. These are the current ones: <div><div>MONDAY</div><div>TUESDAY</div><div>WEDNESDAY</div><div>THURSDAY</div><div>FRIDAY</div><div>SATURDAY</div><div>SUNDAY</div></div>	The day of the scheduler's rule.
from_hour	Required	Number Must be between values 0 - 24	From the hour of the rule, including that hour.
until_hour	Required	Number Must be between values 0 - 24	Until the hour of the rule, excluding that hour.



until\_hour has to be later than from\_hour, and from\_hour has to be earlier than until\_hour as well. So the difference between until\_hour and from\_hour should be greater than 0.

## 1.2.8 Campaign patch model

### 1.2.8.1 fields

Name	Modifier & Defaults	Type	Description						
patch_operation		<div>String, possible values:</div> <table><tr><td>ADD</td><td>Add non existing values</td></tr><tr><td>REMOVE</td><td>Remove existing values</td></tr><tr><td>REPLACE</td><td>Replace existing values</td></tr></table>	ADD	Add non existing values	REMOVE	Remove existing values	REPLACE	Replace existing values	Specify the action of the patch.
ADD	Add non existing values								
REMOVE	Remove existing values								
REPLACE	Replace existing values								
publisher_bid_modifier		<div><a href="#">Publisher Bid Modifier Object</a></div> <div>NULL is ignored.</div> <div>Partial list of publisher bid modifiers to update the existing one.</div>	<div>Possible values: ADD or REMOVE.</div> <div>*REMOVE - removes the bid modification publisher and the return to default campaign settings</div>						
publisher_bid_strategy_modifiers		<div>Publisher Bid Strategy Modifier Object</div> <div>NULL is ignored.</div> <div>Partial list of publisher bid strategy modifiers to update the existing one.</div>	<div>This patch operation is only allowed on campaigns that their bid strategy is SMART.</div>						



Attempting to patch with invalid action (for example, Adding item that already exists) will cause bad request response code.

## 1.3 Targeting Field

For more details about campaign targeting, see the Backstage API Targeting documentation.

## 1.4 Reading

Reading can be performed in two ways:

1. Fetch a list of campaigns :

There are 3 options to fetch the list of the campaigns

a.Fetch all non terminated campaigns

b.Fetch recent **non paused** campaigns : recent non paused campaigns are campaigns that either were created in the last 30 days OR approved non paused campaigns which their end date was not reached yet

c.Fetch recent campaigns : recent campaigns are campaigns that either were created in the last 30 days OR approved (paused or non paused) campaigns which their end date was not reached yet

Using options b or c is recommended since it fetch only the relevant campaigns and hence the api call will work faster and the payload will be smaller.

The difference between b and c is that b is not retrieving paused campaigns.

2. Fetch a single campaign.

### 1.4.1 Fetching a List of Campaigns

#### Request

To retrieve a list of an account's campaigns, send an HTTP *GET* request in the following format:

```
GET /backstage/api/1.0/[account-id]/campaigns/  
Host: https://backstage.taboola.com  
Authorization: Bearer [access-token]
```

To retrieve a list of an account's non terminated recent non-paused campaigns send an HTTP *GET* request in the following format:

```
GET /backstage/api/1.0/[account-id]/campaigns/?fetch_level=R
```

```
Host: https://backstage.taboola.com
Authorization: Bearer [access-token]
```

To retrieve a list of an account's non terminated recent (either paused or non paused) campaigns send an HTTP *GET* request in the following format:

```
GET /backstage/api/1.0/[account-id]/campaigns/?fetch_level=RAP
Host: https://backstage.taboola.com
Authorization: Bearer [access-token]
```



The response will include a valid JSON object in its body, representing the list of campaigns.

### Example Response:

200 OK

```
{
  "results": [
    {
      "id" : "1",
      "advertiser_id" : "taboola-demo-advertiser",
      "name" : "Demo Campaign",
      "tracking_code" : "taboola-track",
      "cpc" : 0.25,
      "daily_cap" : 100,
      "spending_limit" : 1000,
      "spending_limit_model": "MONTHLY",
      "country_targeting": {
        "type" : "INCLUDE",
        "value" : ["AU", "GB"]
      },
      "sub_country_targeting": null,
      "postal_code_targeting": null,
      "platform_targeting": {
        "type" : "INCLUDE",
        "value" : ["TBLT", "PHON"]
      },
      "os_targeting": {
        "type": "ALL",
        "value": [],
        "href": null
      },
      "publisher_targeting": null,
      "comments" : null,
      "start_date" : "2015-04-30",
      "end_date" : "2015-05-30",
      "approval_state" : "APPROVED",
      "is_active" : true,
      "spent" : 2.23,
      "status" : "RUNNING",
    }
  ]
}
```



```

        "daily_ad_delivery_model" : "STRICT",
        "traffic_allocation_mode" : "EVEN",
        "publisher_bid_modifier" : {
            "values": [{ "target" : "publisher1", "cpc_modification" : 1.5},
                       { "target" : "publisher2", "cpc_modification" : 0.9}
            ]
        },
        "audience_segments_multi_targeting": {
            "state" : "EXISTS",
            "href" : "http://backstage/api/1.0/[account-id]/campaigns/[campaign-id]
                    /targeting/audience_segments"
        }
    },
    // ... more results
]
}

```

### 1.4.2 Fetching a Single Campaign (Specific Instance)

#### Request

To retrieve a specific campaign, send an HTTP *GET* request in the following format:

```

GET /backstage/api/1.0/[account-id]/campaigns/[campaign-id]/
Host: https://backstage.taboola.com
Authorization: Bearer [access-token]

```



The response will include a valid JSON object in its body, representing the campaign resource.

#### Example Response:

```

200 OK

{
  "id": "1",
  "advertiser_id" : "taboola-demo-advertiser",
  "branding_text": "Pizza",
  "name": "Demo Campaign",
  "tracking_code": "taboola-track",
  "cpc": 0.25,
  "daily_cap": 100,
  "spending_limit": 1000,
  "spending_limit_model": "MONTHLY",
  "country_targeting": {
    "type" : "INCLUDE",
    "value" : ["AU", "GB"]
  },
  "sub_country_targeting": null,
  "postal_code_targeting": null,
  "platform_targeting": {

```

```

    "type" : "INCLUDE",
    "value" : ["TBLT", "PHON"]
  },
  "os_targeting": {
    "type": "ALL",
    "value": [],
    "href": null
  },
  "publisher_targeting": null,
  "comments" : null,
  "start_date": "2015-04-30",
  "end_date": "2015-05-30",
  "approval_state" : "APPROVED",
  "is_active": true,
  "spent": 0.0,
  "status": "RUNNING",
  "daily_ad_delivery_model" : "STRICT",
  "traffic_allocation_mode" : "EVEN",
  "marketing_objective" : "MOBILE_APP_INSTALL",
  "activity_schedule": {
    "mode": "ALWAYS",
    "rules": [],
    "time_zone": "US/Eastern"
  },
  "publisher_bid_modifier" : {
    "values": [{"target" : "publisher1", "cpc_modification" : 1.5},
               {"target" : "publisher2", "cpc_modification" : 0.9}
    ]
  }
}

```

## 1.5 Creating Campaigns

### 1.5.1 Request Structure

Creating a new campaign is performed by sending an HTTP *POST* request to a URL in the following format:

```

POST /backstage/api/1.0/[account-id]/campaigns/
Host: https://backstage.taboola.com
Authorization: Bearer [access-token]

```

The request must include a JSON object representing the campaign in its body.



The body of the request must contain *at least* all of the *required* fields. An incomplete set of fields will result in a **400 Bad Request** error response.



The response for such a request will be **200 OK** and will include the newly created campaign as a valid JSON object in its body.

### 1.5.2 Example Request: Only Required Fields

```
POST /backstage/api/1.0/taboola-demo-advertiser/campaigns/
Host: https://backstage.taboola.com
Authorization: Bearer [access-token]
```

```
{
  "name": "Demo Campaign",
  "branding_text": "Pizza",
  "cpc": 0.25,
  "spending_limit": 1000,
  "spending_limit_model": "MONTHLY"
}
```

#### Example Response:

```
200 OK
```

```
{
  "id": "123",
  "advertiser_id" : "taboola-demo-advertiser",
  "name": "Demo Campaign",
  "branding_text": "Pizza",
  "tracking_code": "",
  "cpc": 0.25,
  "daily_cap": null,
  "spending_limit": 1000,
  "spending_limit_model": "MONTHLY",
  "country_targeting": null,
  "sub_country_targeting": null,
  "postal_code_targeting": null,
  "platform_targeting": null,
  "publisher_targeting": null,
  "os_targeting": null,
  "comments" : null,
  "start_date": null,
  "end_date": null,
  "approval_state" : "APPROVED",
  "is_active": true,
  "spent": 0.0,
  "bid_type": "OPTIMIZED_CONVERSIONS",
  "status": "RUNNING",
  "daily_ad_delivery_model" : "ACCELERATED",
  "traffic_allocation_mode" : "EVEN",
  "publisher_bid_modifier" : {
    "values": [{ "target" : "publisher1", "cpc_modification" : 1.5},
               { "target" : "publisher2", "cpc_modification" : 0.9}
    ]
  }
}
```



The response includes the read-only fields `id` and `status`.

### 1.5.3 Example Request: Full Set of Fields

POST /backstage/api/1.0/taboola-demo-advertiser/campaigns/

Host: https://backstage.taboola.com

Authorization: Bearer [access-token]

```
{
  "name": "Demo Campaign",
  "branding_text": "Pizza",
  "tracking_code": "taboola-track",
  "cpc": 0.25,
  "daily_cap": 100,
  "spending_limit": 1000,
  "spending_limit_model": "MONTHLY",
  "country_targeting": {
    "type": "INCLUDE",
    "value": ["AU", "GB"]
  },
  "sub_country_targeting": null,
  "platform_targeting": {
    "type": "INCLUDE",
    "value": ["TBLT", "PHON"]
  },
  "os_targeting": {
    "type": "INCLUDE",
    "value": [{"os_family": "Android"}]
  },
  "publisher_targeting": null,
  "daily_ad_delivery_model": "STRICT",
  "publisher_bid_modifier": {
    "values": [{"target": "publisher1", "cpc_modification": 1.5},
               {"target": "publisher2", "cpc_modification": 0.9}
    ]
  },
  "activity_schedule": {
    "mode": "CUSTOM",
    "rules": [
      {
        "type": "INCLUDE",
        "day": "MONDAY",
        "from_hour": "10",
        "until_hour": "18"
      },
      {
        "type": "EXCLUDE",
        "day": "SATURDAY",
        "from_hour": "0",
        "until_hour": "24"
      },
      {
        "type": "EXCLUDE",
        "day": "SUNDAY",
        "from_hour": "10",
        "until_hour": "22"
      }
    ]
  }
}
```

```

    ],
    "time_zone": "US/Eastern"
  },
  "comments" : null,
  "bid_type": "OPTIMIZED_CONVERSIONS",
  "marketing_objective" : "MOBILE_APP_INSTALL",
  "start_date": "2015-04-30",
  "end_date": "2015-05-30",
  "approval_state" : "APPROVED",
  "is_active": true
}

```

### Example Response:

200 OK

```

{
  "id": "124",
  "advertiser_id" : "taboola-demo-advertiser",
  "name": "Demo Campaign",
  "branding_text": "Pizza",
  "tracking_code": "taboola-track",
  "cpc": 0.25,
  "daily_cap": 100,
  "spending_limit": 1000,
  "spending_limit_model": "MONTHLY",
  "country_targeting": {
    "type" : "INCLUDE",
    "value" : ["AU", "GB"]
  },
  "sub_country_targeting": null,
  "postal_code_targeting": null,
  "platform_targeting": {
    "type" : "INCLUDE",
    "value" : ["TBLT", "PHON"]
  },
  "os_targeting": {
    "type": "INCLUDE",
    "value": [
      {
        "os_family": "Android",
        "sub_categories": []
      }
    ],
    "href": null
  },
  "publisher_targeting": null,
  "comments" : null,
  "start_date": "2015-04-30",
  "end_date": "2015-05-30",
  "approval_state" : "APPROVED",
  "is_active": true,
  "spent": 0.0,
  "bid_type": "OPTIMIZED_CONVERSIONS",
  "marketing_objective" : "MOBILE_APP_INSTALL",
  "activity_schedule": {
    "mode": "CUSTOM",
    "rules": [

```

```

    {
      "type": "INCLUDE",
      "day": "MONDAY",
      "from_hour": "10",
      "until_hour": "18"
    },
    {
      "type": "EXCLUDE",
      "day": "SATURDAY",
      "from_hour": "0",
      "until_hour": "24"
    },
    {
      "type": "EXCLUDE",
      "day": "SUNDAY",
      "from_hour": "10",
      "until_hour": "22"
    }
  ],
  "time_zone": "US/Eastern"
},
"status": "RUNNING",
"daily_ad_delivery_model" : "STRICT",
"traffic_allocation_mode" : "EVEN",
"publisher_bid_modifier" : {
  "values": [{ "target" : "publisher1", "cpc_modification" : 1.5},
             { "target" : "publisher2", "cpc_modification" : 0.9}
            ]
},
"audience_segments_multi_targeting": {
  "state" : "EXISTS",
  "href" : "http://backstage/api/1.0/[account-id]/campaigns/[campaign-id]
           /targeting/audience_segments"
}
}

```

#### 1.5.4 Example Request: Insufficient Set of Fields

```

POST /backstage/api/1.0/taboola-demo-advertiser/campaigns/
Host: https://backstage.taboola.com
Authorization: Bearer [access-token]

```

```

{
  "name": "Demo Campaign",
  "branding_text": "Pizza",
  "spending_limit": 1000,
  "spending_limit_model": "MONTHLY",
}

```

#### Example Response:

```

400 Bad Request

```

```
{
  "http_status": 400,
  "message": "\"cpc\" field is missing."
}
```

## 1.6 Updating Campaigns

Updating a campaign is performed by sending an HTTP *POST* or *PUT* request, which includes a JSON object representing the fields to update in its body:

```
POST /backstage/api/1.0/[account-id]/campaigns/[campaign-id]/
Host: https://backstage.taboola.com
Authorization: Bearer [access-token]
```



When updating resources, it is possible to use either the *POST* method or *PUT* method. The API will work with both; however our documentation only uses the *POST* method in examples.



An update request may include only a subset of the resource's fields. Included fields with *NULL* values will be treated as if they are missing from the request.  
*Fields which are missing or set to Null in the request will not be modified.*

### 1.6.1 Example: Update a Single Field

```
POST /backstage/api/1.0/taboola-demo-advertiser/campaigns/124/
Host: https://backstage.taboola.com
Authorization: Bearer [access-token]
```

```
{
  "name": "Demo Campaign - Edited"
}
```



The response includes the campaign object with the updated field.

#### Response:

```
200 OK
```

```

{
  "id": "124",
  "advertiser_id" : "taboola-demo-advertiser",
  "name": "Demo Campaign - Edited",
  "branding_text": "Pizza",
  "tracking_code": "taboola-track",
  "cpc": 0.25,
  "daily_cap": 100,
  "spending_limit": 1000,
  "spending_limit_model": "MONTHLY",
  "country_targeting": {
    "type" : "INCLUDE",
    "value" : ["AU", "GB"]
  },
  "sub_country_targeting": null,
  "postal_code_targeting": null,
  "platform_targeting": {
    "type" : "INCLUDE",
    "value" : ["TBLT", "PHON"]
  },
  "os_targeting": {
    "type": "ALL",
    "value": [],
    "href": null
  },
  "publisher_targeting": null,
  "comments" : null,
  "start_date": "2015-04-30",
  "end_date": "2015-05-30",
  "approval_state" : "APPROVED",
  "is_active": true,
  "spent": 0.0,
  "status": "RUNNING"
  "daily_ad_delivery_model" : "STRICT",
  "traffic_allocation_mode" : "EVEN",
  "publisher_bid_modifier" : {
    "values": [{"target" : "publisher1", "cpc_modification" : 1.5},
               {"target" : "publisher2", "cpc_modification" : 0.9}
    ]
  }
}

```

### 1.6.2 Example: Updating Multiple Fields

```

POST /backstage/api/1.0/taboola-demo-advertiser/campaigns/124
Host: https://backstage.taboola.com
Authorization: Bearer [access-token]

```



```
{
  "name": "Demo Campaign",
  "branding_text": "Yummy Pizza",
  "tracking_code": "taboola-tracking-code",
  "cpc": 0.5,
  "daily_cap": 500,
  "spending_limit": 5000,
  "spending_limit_model": "ENTIRE",
  "country_targeting": {
    "type" : "INCLUDE",
    "value" : ["AU", "GB"]
  },
  "sub_country_targeting": null,
  "platform_targeting": {
    "type" : "INCLUDE",
    "value" : ["TBLT", "PHON"]
  },
  "publisher_targeting": null,
  "comments" : null,
  "start_date": "2015-04-24",
  "end_date": "2015-05-24"
}
```



The response includes the campaign object with the updated fields.

### Example Response:

200 OK

```
{
  "id": "124",
  "advertiser_id" : "taboola-demo-advertiser",
  "name": "Demo Campaign",
  "branding_text": "Yummy Pizza",
  "tracking_code": "taboola-tracking-code",
  "cpc": 0.5,
  "daily_cap": 500,
  "spending_limit": 5000,
  "spending_limit_model": "ENTIRE",
  "country_targeting": {
    "type" : "INCLUDE",
    "value" : ["AU", "GB"]
  },
  "sub_country_targeting": null,
  "postal_code_targeting": null,
  "platform_targeting": {
    "type" : "INCLUDE",
    "value" : ["TBLT", "PHON"]
  },
  "publisher_targeting": null,
  "comments" : null,
  "start_date": "2015-04-24",
  "end_date": "2015-05-24",
  "approval_state" : "APPROVED",
  "is_active": true,
  "spent": 0.0,
  "status": "RUNNING",
  "daily_ad_delivery_model" : "STRICT",
  "traffic_allocation_mode" : "EVEN",
  "publisher_bid_modifier" : {
    "values": [{"target" : "publisher1", "cpc_modification" : 1.5},
               {"target" : "publisher2", "cpc_modification" : 0.9}
    ]
  }
}
```

## 1.7 Pausing / Unpausing Campaigns

Because a campaign's `status` field is *read-only*, it cannot be modified via an Update request. Instead, you need to change the campaign's `is_active` field. The `is_active` field has two possible values: `true` and `false`. When a campaign item has both `is_active=true` and `status=RUNNING`, it is considered "active". If a campaign item has `is_active=false` its `status` will become `PAUSED`.



When a campaign is `PAUSED`, it will not run on Taboola's network.

### 1.7.1 Pausing a Campaign

In order to *pause* a campaign, send an *Update* request in the following format:

```
POST /backstage/api/1.0/[account-id]/campaigns/[campaign-id]/
Host: https://backstage.taboola.com
Authorization: Bearer [access-token]
```

```
{
  "is_active" : false
}
```

#### 1.7.1.1 Example Response

200 OK

```
{
  "id": "123",
  "advertiser_id" : "taboola-demo-advertiser",
  "name": "Demo Campaign",
  "branding_text": "Pizza",
  "tracking_code": "",
  "cpc": 0.25,
  "daily_cap": 0.0,
  "spending_limit": 1000,
  "spending_limit_model": "MONTHLY",
  "country_targeting": null,
  "sub_country_targeting": null,
  "postal_code_targeting": null,
  "platform_targeting": null,
  "os_targeting": null,
  "publisher_targeting": null,
  "comments" : null,
  "start_date": null,
  "end_date": null,
  "approval_state" : "APPROVED",
  "is_active": false,
  "spent": 0.0,
  "status": "PAUSED",
  "daily_ad_delivery_model" : "ACCELERATED"
}
```

### 1.7.2 Unpausing a Campaign

In order to *unpause* a campaign, send an HTTP *POST* request in the following form:

```
POST /backstage/api/1.0/[account-id]/campaigns/[campaign-id]/
Host: https://backstage.taboola.com
Authorization: Bearer [access-token]
```

```
{
  "is_active" : true
}
```

```
}
```

### 1.7.2.1 Example Response

200 OK

```
{
  "id": "123",
  "advertiser_id" : "taboola-demo-advertiser",
  "name": "Demo Campaign",
  "branding_text": "Pizza",
  "tracking_code": "",
  "cpc": 0.25,
  "daily_cap": 0.0,
  "spending_limit": 1000,
  "spending_limit_model": "MONTHLY",
  "country_targeting": null,
  "sub_country_targeting": null,
  "postal_code_targeting": null,
  "platform_targeting": null,
  "os_targeting": null,
  "publisher_targeting": null,
  "comments" : null,
  "start_date": null,
  "end_date": null,
  "approval_state" : "APPROVED",
  "is_active": true,
  "spent": 0.0,
  "status": "RUNNING",
  "daily_ad_delivery_model" : "ACCELERATED"
}
```

## 1.8 Deleting Campaigns

Campaigns cannot be *deleted* from Taboola's platform; however, they can have their `status` field set to `TERMINATED`. Modifying the `status` field of a campaign via the Updating API is not possible (as the field is read-only). so a different method is available instead.

Deleting is performed by sending an HTTP *DELETE* request to the URL representing the campaign resource:

```
DELETE /backstage/api/1.0/[account-id]/campaigns/[campaign-id]/
Host: https://backstage.taboola.com
Authorization: Bearer [access-token]
```



Only users with designated permissions can delete campaigns.



Once a campaign has its status set to **"TERMINATED"** it no longer appears in the resource list returned from the Reading API.

### 1.8.1 Example: Deleting a Campaign

```
DELETE /backstage/api/1.0/taboola-demo-advertiser/campaigns/124/  
Host: https://backstage.taboola.com  
Authorization: Bearer [access-token]
```

#### Example Response:

200 OK

```
{  
  "id": "124",  
  "advertiser_id" : "taboola-demo-advertiser",  
  "name": "Demo Campaign",  
  "branding_text": "Yummy Pizza",  
  "tracking_code": "taboola-tracking-code",  
  "cpc": 0.5,  
  "daily_cap": 500,  
  "spending_limit": 5000,  
  "spending_limit_model": "ENTIRE",  
  "cpa_goal": 5,  
  "country_targeting": {  
    "type" : "INCLUDE",  
    "value" : ["AU", "GB"],  
    "href" : null  
  },  
  "sub_country_targeting": null,  
  "postal_code_targeting": null,  
  "contextual_targeting": {  
    "type" : "INCLUDE",  
    "value" : ["IAB1", "IAB2"],  
    "href" : null  
  },  
  "platform_targeting": {  
    "type" : "INCLUDE",  
    "value" : ["TBLT", "PHON"],  
    "href" : null  
  },  
  "publisher_targeting": null,  
  "campaign_profile": {  
    "content_type": "VIDEO",  
    "ad_type": "AD_HEAVY",  
    "content_safety": "LOW_BROW",  
    "language": "EN",  
    "category": "SPORTS"  
  },  
  "comments" : null,  
  "start_date": "2015-04-24",  
  "end_date": "2015-05-24",  
}
```

```

    "approval_state" : "APPROVED",
    "is_active": true,
    "spent": 0.0,
    "bid_type"      : "OPTIMIZED_CONVERSIONS",

    "status": "TERMINATED",
    "daily_ad_delivery_model" : "STRICT",
    "traffic_allocation_mode" : "EVEN",
    "activity_schedule": {
        "mode": "ALWAYS",
        "rules": [],
        "time_zone": "US/Eastern"
    },
    "marketing_objective" : "MOBILE_APP_INSTALL",
    "verification_pixel": {
        "verification_pixel_items": [{"tracking_pixels_type" : "CLICK",
                                                                    "url" : "www.mysite.com"}
    ]
    }
}

```



As mentioned previously, the campaign is not actually deleted, so the response includes the campaign resource in its body.



The Campaign status is now set to **TERMINATED**.

## 1.10 Duplicating Campaigns

### 1.10.1 Request Structure

Creating a duplicate of campaign is performed by sending an HTTP *POST* request to a URL in the following format:

```

POST /backstage/api/1.0/[account-id]/campaigns/[campaign-id]/duplicate
Host: https://backstage.taboola.com
Authorization: Bearer [access-token]

```



The response for such a request will be **200 OK** and will include the newly created campaign as a valid JSON object in its body.

The request may include a JSON object representing the fields to update in its body.



Duplicate request may include only a subset of the resource's fields. Included fields with **NULL** values will be treated as if they are missing from the request.  
*Fields which are missing or set to Null in the request will not be modified.*

## 1.10.2 Example Request

```
POST /backstage/api/1.0/taboola-demo-advertiser/campaigns/124/duplicate
Host: https://backstage.taboola.com
Authorization: Bearer [access-token]
```

### Example Response:

200 OK

```
{
  "id": "125",
  "advertiser_id" : "taboola-demo-advertiser",
  "name": "Copy of Demo Campaign",
  "branding_text": "Pizza",
  "tracking_code": "",
  "cpc": 0.25,
  "daily_cap": null,
  "spending_limit": 1000,
  "spending_limit_model": "MONTHLY",
  "cpa_goal": null,
  "country_targeting": null,
  "sub_country_targeting": null,
  "postal_code_targeting": null,
  "contextual_targeting": null,
  "platform_targeting": null,
  "publisher_targeting": null,
  "campaign_profile": {
    "content_type": "PHOTO",
    "ad_type": "PUBLISHER",
    "content_safety": "RACY",
    "language": "EN",
    "category": "NONE"
  },
  "comments" : null,
  "start_date": null,
  "end_date": null,
  "approval_state" : "APPROVED",
  "is_active": true,
  "spent": 0.0,
  "bid_type" : "OPTIMIZED_CONVERSIONS",
  "status": "RUNNING",
  "daily_ad_delivery_model" : "ACCELERATED",
  "traffic_allocation_mode" : "EVEN",
  "publisher_bid_modifier": {
    "values": []
  },
  "publisher_bid_strategy_modifiers": {
```

```

        "values": []
    },
    "os_targeting": {
        "type": "ALL",
        "value": [],
        "href": null
    },
    "activity_schedule": {
        "mode": "ALWAYS",
        "rules": [],
        "time_zone": "US/Eastern"
    },
    "marketing_objective" : "MOBILE_APP_INSTALL",
    "order_id" : null
}

```



The response includes the read-only fields `id`, `advertiser_id`, `spent` and `status`.

### 1.10.3 Example Request with body

```

POST /backstage/api/1.0/taboola-demo-advertiser/campaigns/125/duplicate
Host: https://backstage.taboola.com
Authorization: Bearer [access-token]

```

```

{
    "name": "Demo Campaign - New name",
    "branding_text": "New branding text",
    "spending_limit": 10000,
    "spending_limit_model": "ENTIRE"
}

```

#### Example Response:

200 OK

```

{
    "id": "126",
    "advertiser_id" : "taboola-demo-advertiser",
    "name": "Demo Campaign - New name",
    "branding_text": "New branding text",
    "tracking_code": "",
    "cpc": 0.25,
    "daily_cap": null,
    "spending_limit": 10000,
    "spending_limit_model": "ENTIRE",
    "cpa_goal": null,
    "country_targeting": null,
    "sub_country_targeting": null,
    "postal_code_targeting": null,
}

```



```

"contextual_targeting": null,
"platform_targeting": null,
"publisher_targeting": null,
"campaign_profile": {
  "content_type": "PHOTO",
  "ad_type": "PUBLISHER",
  "content_safety": "RACY",
  "language": "EN",
  "category": "NONE"
},
"comments" : null,
"start_date": null,
"end_date": null,
"approval_state" : "APPROVED",
"is_active": true,
"spent": 0.0,
"bid_type" : "OPTIMIZED_CONVERSIONS",

"status": "RUNNING",
"daily_ad_delivery_model" : "ACCELERATED",
"traffic_allocation_mode" : "EVEN",
"publisher_bid_modifier": {
  "values": []
},
"publisher_bid_strategy_modifiers": {
  "values": []
},
"os_targeting": {
  "type": "ALL",
  "value": [],
  "href": null
},
"activity_schedule": {
  "mode": "ALWAYS",
  "rules": [],
  "time_zone": "US/Eastern"
},
"marketing_objective" : "MOBILE_APP_INSTALL",
"order_id" : null
}

```

#### 1.10.4 Example Request with user request changes in comments

```

POST /backstage/api/1.0/taboola-demo-advertiser/campaigns/125/duplicate
Host: https://backstage.taboola.com
Authorization: Bearer [access-token]

```

```

{
  "name": "Demo Campaign - New name",
  "comments": "Please, set SOME targeting to ..."
}

```

**Example Response:**

200 OK

```
{
  "id": "126",
  "advertiser_id" : "taboola-demo-advertiser",
  "name": "Demo Campaign - New name",
  "branding_text": "Pizza",
  "tracking_code": "",
  "cpc": 0.25,
  "daily_cap": null,
  "spending_limit": 1000,
  "spending_limit_model": "MONTHLY",
  "cpa_goal": null,
  "country_targeting": null,
  "sub_country_targeting": null,
  "postal_code_targeting": null,
  "contextual_targeting": null,
  "platform_targeting": null,
  "publisher_targeting": null,
  "campaign_profile": {
    "content_type": "PHOTO",
    "ad_type": "PUBLISHER",
    "content_safety": "RACY",
    "language": "EN",
    "category": "NONE"
  },
  "comments": "Please, set SOME targeting to ...",
  "start_date": null,
  "end_date": null,
  "approval_state" : "APPROVED",
  "is_active": false,
  "spent": 0.0,
  "bid_type" : "OPTIMIZED_CONVERSIONS",

  "status": "PAUSED",
  "daily_ad_delivery_model" : "ACCELERATED",
  "traffic_allocation_mode" : "EVEN",
  "publisher_bid_modifier": {
    "values": []
  },
  "publisher_bid_strategy_modifiers": {
    "values": []
  },
  "os_targeting": {
    "type": "ALL",
    "value": [],
    "href": null
  },
  "activity_schedule": {
    "mode": "ALWAYS",
    "rules": [],
    "time_zone": "US/Eastern"
  },
  "marketing_objective" : "MOBILE_APP_INSTALL",
  "order_id" : null
}
```

## 1.10 Patching bid modifiers

Patching campaigns allows partial updates (add or remove) for bid modifiers.

Patching campaign is performed by sending PATCH HTTP request in the following format:

```
PATCH /backstage/api/1.0/[account-id]/campaigns/[campaign-id]/
Host: https://backstage.taboola.com
Authorization: Bearer [access-token]
```

Patch body should include “patch\_operation” ADD or REMOVE, and the field to patch.

### 1.10.1 Example: adding bid modifiers

```
{
  "patch_operation" : ADD
  "publisher_bid_modifier" : {
    "values": [{"target" : "publisher1", "cpc_modification" : 1.5},
               {"target" : "publisher2", "cpc_modification" : 0.9}
    ]
  }
}
```

**Example Response:**

```
{
  "patch_operation" : ADD
  "publisher_bid_modifier" : {
    "values": [{"target" : "publisher1", "cpc_modification" : 1.5},
               {"target" : "publisher2", "cpc_modification" : 0.9}
    ]
  }
}
```

## 1.11 Publisher Bid Strategy modifiers patch model

Patch body should include “patch\_operation” ADD or REMOVE, and the field to patch.

### 1.11.1 fields

Name	Modifier & Defaults	Type	Description
------	---------------------	------	-------------

values	Default: []	Array<Bid Strategy Per Publisher model> NULL or [] means no change to publishers bid strategy modifiers.	An object representing the targeted publisher's bid strategy modifiers.
--------	----------------	---	---

### 1.11.2 Bid Strategy Per Publisher model

Name	Modifier & Defaults	Type	Description				
publisher	Required	String The name of the publisher to associated this bid strategy modifier	Publisher name.				
bid_strategy	Required	String Possible values: <table><tr><td>Value</td><td>Description</td></tr><tr><td>FIXED</td><td>Fixed Bid Strategy</td></tr></table>	Value	Description	FIXED	Fixed Bid Strategy	Bid Strategy
Value	Description						
FIXED	Fixed Bid Strategy						

<b>i</b>	Attempting to patch with invalid action (for example, Adding item that already exists) will cause bad request response code.
----------	--

### 1.11.3 Example: adding bid strategy modifiers

```
{
  "patch_operation" : "ADD"
  "publisher_bid_strategy_modifiers" : {
    "values": [{"publisher" : "publisher1", "bid_strategy" : "FIXED"},
               {"publisher" : "publisher2", "bid_strategy" : "FIXED"}
    ]
  }
}
```

**Example Response:**

```
{
  "patch_operation" : "ADD"
```

```
    "publisher_bid_strategy_modifiers" : {  
      "values": [{ "publisher" : "publisher1", "bid_strategy" : "FIXED"},  
                  { "publisher" : "publisher2", "bid_strategy" : "FIXED"}  
    ]  
  }  
}
```