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Middleware API Documentation (2.20)

Authentication

Obtaining Credentials

Before you can make an API request, you will need to obtain an authentication token. This token must then be included in the *X-Auth-Token* HTTP header along with every request. A token is valid for a **5 minute** period since its last use. When the token expires, you will receive a 401 (Unauthorized) HTTP Response, and can request a new one programmatically. To retrieve the above token, a POST request should be sent to URL:

```
https://api.yieldlab.net/v1/auth/tokens
```

Request Parameters

Parameter	Required	Description
username	X	API Account Username
password	X	API Account Password

Response Parameters

Parameter	Type	Description
token	String	Authentication token valid for a 5 minute period since last use

Example Request

```
curl -X POST -H "Content-Type: application/json" \
      https://api.yieldlab.net/v1/auth/tokens \
      -d '{"username":"api_username","password":"api_password}"'
```

Example Response

```
{
  "token": "c7eedef5-7c6b-47fd-9a99-560d2337707b"
}
```

Error Codes

10006

00003

User Information

This call returns information about the API user, including the roles in which he/she belongs, if he/she is a supply partner or/and demand partner, etc. The information can be retrieved through a GET request to the URL:

```
https://api.yieldlab.net/v1/users/info
```

Response Parameters

Parameter	Type	Description
id	Number	API Account ID
user	String	API Account Username
email	String	Email Address of the user
roles	Array	All roles which the user belongs to
supplyPartner	Boolean	True if user belongs to a supply partner
demandPartner	Boolean	True if user belongs to a demand partner
allChannel	Boolean	True if user can view all the channels

Example Request

```
curl -X GET -H "Content-Type: application/json" \
-H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \
https://api.yieldlab.net/v1/users/info
```

Example Response

```
{
  "id": 2534,
  "user": "yl_user",
  "roles": [ "ROLE_USER" ],
  "supplyPartner": true,
  "demandPartner": false,
  "allChannel": false
}
```

Forgot Password

Users can request a one-time password reset link to be sent to the email address registered with their account. If successful, an HTTP 200 response is sent back with no body. Note that no authentication header is included with this request!

```
https://api.yieldlab.net/v1/users/forgotPassword
```

Request Parameters

Parameter	Type	Description
email	String	The email of the user that forgot the password

Example Request

```
curl -X POST -H "Content-Type: application/json" \
      https://api.yieldlab.net/v1/users/forgotPassword \
      -d '{"email": "user@example.com"}'
```

Reset Password

By providing the one-time token included in the password reset email, a user can specify a new password to be used with his or her account. If a password does not meet minimum security criteria, it will be rejected. If successful, an HTTP 200 response is sent back with no body. Note that no authentication header is included with this request!

```
https://api.yieldlab.net/v1/users/resetPassword
```

Request Parameters

Parameter	Type	Description
code	String	Code that was sent to the email address
newPassword	String	The new password. Minimum security criteria: At least 5 chars, no spaces, one number.

Example Request

```
curl -X POST -H "Content-type: application/json" \
      https://api.yieldlab.net/v1/users/resetPassword \
      -d '{"code": "ABSjkMzn4EaYbXB2Hvv4jvvp5kM++/hO++nzF8776f77+OMTLvv5Dvv4lfae+/hO+
/kGVg776e77+MKmDvv4zv4RhNe+/iu++mD5p776Z776bNg==", "newPassword": "Secret123"}'
```

Error Codes

Error Code	Type	Description	HTTP Return Code
20002	INVALID_PASSWORD	Invalid password	400
20003	INVALID_RESET_CODE	Invalid reset code	400

Change Password

An authenticated user can change his or her password by providing the old password together with the new one. If a password does not meet minimum secure criteria, it will be rejected. If successful, an HTTP 200 response is sent back with no body.

```
https://api.yieldlab.net/v1/users/resetPassword
```

Request Parameters

Parameter	Type	Description
oldPassword	string	The old password you want to change
newPassword	string	The new password you want to change to

Example Request

```
curl -X POST "Content-type: application/json" \  
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \  
      https://api.yieldlab.net/v1/users/changePassword \  
      -d '{"oldPassword":"Secret123","newPassword":"newSecret123}"'
```

Error Codes

Error Code	Type	Description	HTTP Return Code
20001	WRONG_PASSWORD	Wrong password	400
20002	INVALID_PASSWORD	Invalid password	400

Change Email Address

An authenticated user is able to change his or her Email address by providing the valid password through an HTTP POST request. An email address can only be associated with one account at a time. If successful, an HTTP 200 response is sent back with no body. Notification will be sent to old Email address (if exists) and new Email address respectively.

```
https://api.yieldlab.net/v1/users/info
```

Request Parameters

Parameter	Type	Description
email	string	The email you want to change to
password	string	Password of the user

Example Request

```
curl -X POST -H "Content-type: application/json" \
  -H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \
  https://api.yieldlab.net/v1/users/info \
  -d '{"email": "user2@example.com", "password": "Secret123"}
```

Error Codes

Error Code	Type	Description	HTTP Return Code
20001	WRONG_PASSWORD	Wrong password	400
20004	INVALID_RESET_EMAIL	Invalid reset email	400
20005	DUPLICATE_EMAIL	Duplicate email	400

Publisher Settings

Account Details

This API provides access to the publisher's account settings, including customer name, Yieldlab share, global floor price, etc. The information can be retrieved through a GET request to the URL:

```
https://api.yieldlab.net/supply/v1/account
```

Response Parameters

Parameter	Type	Description
id	Number	Yieldlab Supply Partner ID
name	String	Supply Partner Name
share	Number	Yieldlab current* revenue share in percent (0-100). E.g. 24.5
floorPrice	Number	The global floor price across publisher's inventory in Euro cents. E.g. 75
dealShare	Number	Current* Deal revenue share in percent (0-100). E.g. 12.5
directBillingShare	Number	Current* Direct Billing revenue share in percent (0-100). E.g. 18.5
visibleDemands	Array	List of Demand Partner IDs that are whitelisted in this account and available for Deal creation.

* The applied share for the current month

Example Request

```
curl -X GET -H "Content-type: application/json" \
-H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \
https://api.yieldlab.net/supply/v1/account
```

Example Response

```
{
  "id": 2,
  "name": "Example Publisher",
  "share": 15.0,
  "floorPrice": 25,
  "dealShare": 10.0,
  "directBillingShare": 2.0,
  "flags": ["dc"], // deprecated
  "capabilities": ["create_adslots", "must_only_create_deals"],
  "visibleDemands": []
}
```

Channels

One or many channels can be associated with a publisher's account. A channel consists of a collection of one or more adslots. Channels can also be used when generating reports, in order to limit their scope to one ore more channels.

Adding Channels

Channels can be created by making a POST Request to the URL:

```
https://api.yieldlab.net/supply/v1/channels/add
```

Request Parameters

Parameter	Type	Description
name	String	Channel Name Please note: leading and trailing whitespaces will be removed automatically.
websites	Array	Array of adslot IDs contained in the channel

Response Parameters

Parameter	Type	Description
id	Number	Channel ID
name	String	Channel Name
websites	Array	Array of adslot IDs contained in the channel

Example Request

```
curl -X POST -H "Content-type: application/json" \
      -H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \
      -d '{"name":"channelName","websites":[123,456]}' \
      https://api.yieldlab.net/supply/v1/channels/add
```

Example Response

```
{"id":4948,"name":"channelName","websites":[123,456]}
```

Listing Channels

Channel information can be retrieved by making a GET Request to the URL:

```
https://api.yieldlab.net/supply/v1/channels
```

Response Parameters

Parameter	Type	Description
channels	Object	Channel object, consisting of a list with channels of the account

Channel Object

Parameter	Type	Description
id	Number	Channel ID
name	String	Channel Name
websites	Array	Array of adslot IDs contained in the channel

Example Request

```
curl -X GET -H "Content-type: application/json" \
      -H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \
      https://api.yieldlab.net/supply/v1/channels
```

Example Response

```
{
  "channels": [
    {
      "id": 4948,
      "name": "Plista RTB",
      "websites": [3719, 3410, 7612]
    },
    {
      "id": 33802,
      "name": "Ligatus Spiegel",
      "websites": [14865, 14870, 14872, 14911, 14917, 14937, 14940, 15038, 15042, 15589, 16119]
    }
  ]
}
```

Updating Channels

Channel information can be updated by making a POST Request to the URL:

```
https://api.yieldlab.net/supply/v1/channels/{channelId}
```

Request Parameters

Parameter	Type	Optional	Description
name	String	Y	Channel Name <i>valid characters: 0-9a-zA-Z " , \$ @ # ! ? = \ - : /</i> Please note: leading and trailing whitespaces will be removed automatically.
websites	Array	Y	Array of adslot IDs contained in the channel

Response Parameters

Parameter	Type	Description
id	Number	Channel ID
name	String	Channel Name
websites	Array	Array of adslot IDs contained in the channel

Example Request

```
curl -X POST -H "Content-type: application/json" \
      -H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \
      -d '{"name":"channelName","websites":[123,456,789]}' \
      https://api.yieldlab.net/supply/v1/channels/4948
```

Example Response

```
{"id":4948,"name":"channelName","websites":[123,456,789]}
```


Advertiser Filters

Through this API, publishers can see and edit filters, which apply on supply partner level.

Listing Filters

Publishers can query the existing filter information through an HTTP GET request to the above URL.

```
https://api.yieldlab.net/supply/v1/filters
```

Response Parameters

Parameter	Type	Description
advertiserFilter	String	One of "allowlist" or "blocklist"
advertisers	Array	Array of Advertiser IDs contained in the advertiser filter, or empty array if the filter list is empty

Example Request

```
curl -X GET -H "Content-type: application/json" \
      -H "X-Auth-Token: 833c6f6e-12a7-49a8-89be-941fb8a61fe2" \
      https://api.yieldlab.net/supply/v1/filters
```

Example Response

```
{
  "advertisers": [11791], "advertiserFilter": "blacklist"
}
```

Updating Filters

Publishers can update their filter information through an HTTP POST request to the above URL.

```
https://api.yieldlab.net/supply/v1/filters
```

Request Parameters

Parameter	Type	Description
advertiserFilter	String	One of "allowlist" or "blocklist"
advertisers	Array	Array of Advertiser IDs contained in the advertiser filter, or empty array if the filter list is empty

Example Request

```
curl -X POST -H "Content-type: application/json" \
      -H "X-Auth-Token: 833c6f6e-12a7-49a8-89be-941fb8a61fe2" \
      https://api.yieldlab.net/supply/v1/filters \
      -d '{"advertiserFilter": "allowlist", "advertisers": [11936, 11939]}'
```

Example Response

```
{
  "advertisers": [11936, 11939], "advertiserFilter": "blocklist"
}
```

Error Codes

Error Code	Type	Description	HTTP Return Code
70002	MISSING_ADVERTISER_FILTER	Missing advertiser filter	400

Inventory Referrer Restrictions

In order to prevent the placement of Yieldlab tags in disallowed websites, publishers are able to define a whitelist of their approved inventory through these API endpoints. This is a two step process: First the publisher has to create groups of approved referers. Afterwards each group has to be activated. If no group is activated, all referers are allowed.

Listing Referrer Groups

Publishers can query their referer groups by calling the following HTTP GET request:

```
https://api.yieldlab.net/supply/v1/referergroups
```

Response Parameters

Parameter	Type	Description
id	Integer	Id of group
name	String	Name of group
referers	Array	Array of allowed referrers
referrerBlacklist	Array	Array of disallowed referrers

Example Request

```
curl -X GET -H "Content-Type: application/json" \
      -H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \
      https://api.yieldlab.net/supply/v1/referergroups
```

Example Response

```
[{"id": 1, "name": "entertainment", "referers": ["seite.de/entertainment", "serious.com/fun", "*.foo.bar"], "referrerBlacklist": ["baz.foo.bar"]}]
```

Adding a Referrer Group

Publishers can add referer groups by calling the following HTTP POST request:

```
https://api.yieldlab.net/supply/v1/referergroups/add
```

Request Parameters

Parameter	Type	Optional	Description
name	String	No	Name of group
referers	Array	And/Or	Array of allowed referrers
referrerBlacklist	Array	And/Or	Array of disallowed referrers

Response Parameters

Parameter	Type	Description
id	Integer	Id of group
name	String	Name of group
referers	Array	Array of allowed referrers
referrerBlacklist	Array	Array of disallowed referrers

Example Request

```
curl -X POST -H "Content-type: application/json" \
      -H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \
      https://api.yieldlab.net/supply/v1/referergroups/add \
      -d '{"name": "entertainment", "referers": ["seite.de/entertainment", "serious.com/fun", "*.foo.bar"], "referrerBlacklist": ["baz.foo.bar"]}'
```

Example Response

```
{"id": 1, "name": "entertainment", "referers": ["seite.de/entertainment", "serious.com/fun", "*.foo.bar"], "referrerBlacklist": ["baz.foo.bar"]}
```

Error Codes

Error Code	Type	Description	HTTP Return Code
50001	MISSING_GROUP_NAME	Missing group name	400
50002	MISSING_REFERERERS	Missing referrers	400
50003	DUPLICATE_GROUP_NAME	Duplicate group name	400

Updating a Referrer Group

Name and referers can be updated independently of each other. Publishers can edit referrer groups by calling the following HTTP POST request:

```
http://api.yieldlab.net/supply/v1/referergroups/{id}
```

Request Parameters

Parameter	Type	Optional	Description
name	String	And/Or	Name of group
referers	Array	And/Or	Array of allowed referrers
referrerBlacklist	Array	And/Or	Array of disallowed referrers

Response Parameters

Parameter	Type	Description
id	Integer	Id of group
name	String	Name of group
referers	Array	Array of allowed referrers
referrerBlacklist	Array	Array of disallowed referrers

Example Request

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/referergroups/1 \
      -d '{"name": "entertainment", "referers": ["seite.de/politik", "serious.com/fun", "*.foo.bar"],
"referrerBlacklist": ["baz.foo.bar"]}'
```

Example Response

```
{"id": 1, "name": "entertainment", "referers": ["seite.de/politik", "serious.com/fun", "*.foo.bar"],
"referrerBlacklist": ["baz.foo.bar"]}
```

Error Codes

Error Code	Type	Description	HTTP Return Code
50001	MISSING_GROUP_NAME	Missing group name	400
50002	MISSING_REFERERERS	Missing referrers	400
50003	DUPLICATE_GROUP_NAME	Duplicate group name	400
50004	INVALID_REFERERER	Invalid referrer	400

Listing Active Referrer Groups

Publishers can list the currently active referer groups by calling the following HTTP GET request:

```
https://api.yieldlab.net/supply/v1/referergroups/active
```

Response Parameters

Parameter	Type	Description
id	Integer	Id of group
name	String	Name of group

Example Request

```
curl -X GET -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/referergroups/active
```

Example Response

```
[{"id": 1, "name": "entertainment"}]
```


Activating a Referrer Group

Name and referers can be updated independently of each other. Publishers can edit referer groups by calling the following HTTP POST request:

```
https://api.yieldlab.net/supply/v1/referergroups/{id}/activate
```

Example Request

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/referergroups/1/activate
```

Deactivating a Referrer Group

Name and referers can be updated independently of each other. Publishers can edit referer groups by calling the following HTTP POST request:

```
https://api.yieldlab.net/supply/v1/referer/{id}/deactivate
```

Example Request

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/referergroups/1/deactivate
```

Advertisers

Listing Advertisers

Publishers can query for information pertaining to all or a particular advertiser using the following URL:

```
https://api.yieldlab.net/v1/advertisers/${advertiserIds}
```

Request Parameters

Parameter	Description
advertiserIds	<i>(Optional) Comma-separated Yieldlab advertiser IDs (e.g. 1,2,3). If absent, information for all available advertisers is returned.</i>

Response Parameters

Parameter	Type	Description
id	Number	Advertiser ID
name	String	Advertiser Name
enabled	Boolean	True if advertiser is currently enabled

Example Request

```
curl -X GET -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/v1/advertisers/11803,11808
```

Example Response

```
{"advertisers":[{"id":11803,"name":"zalando"}, {"id":11808,"name":"airfrance"}]}
```

Listing Advertiser Specific Prices

Publishers can list specific floor or fixed prices per advertiser using the following URL:

```
https://api.yieldlab.net/supply/v1/advertiser/prices
```

Response Parameters

Parameter	Type	Description
id	Number	Advertiser ID
floorPrice	Number	advertiser floor price in cents
fixedPrice	Number	advertiser fixed price in cents

Example Request

```
curl -X GET 'Content-type: application/json' \  
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \  
      https://api.yieldlab.net/supply/v1/advertiser/prices
```

Example Response

```
[{"id":11803,"fixedPrice":0,"floorPrice":123},{ "id":11808,"fixedPrice":123,"floorPrice":0}]
```

Setting Advertiser Specific Prices

Publishers can set specific floor or fixed prices per advertiser using the following URL:

```
https://api.yieldlab.net/supply/v1/advertiser/prices
```

Setting only one of floorPrice and fixedPrice is allowed. The other must not be sent or be set to zero. If a floor price is set and a new fixed price is sent the old floor price is going to be set to zero and vice versa.

Request Parameters

Parameter	Type	Description
id	Number	Advertiser ID
floorPrice	Number	advertiser floor price in cents
fixedPrice	Number	advertiser fixed price in cents

Example Request

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/advertiser/prices \
      -d '[{"id":11803,"fixedPrice":0,"floorPrice":123},{ "id":11808, "fixedPrice":123}]'
```

Demand Technologies

Publishers can retrieve information regarding the demand partner technologies updated by executing an HTTP GET request to the following URL:

```
https://api.yieldlab.net/v1/accounts/technology/${technologyIds}
```

Request Parameters

Parameter	Description
technologyIds	(Optional) Comma-separated Yieldlab Demand Partner Technologies IDs (e.g. 1,2,3). If absent, information for all available demand partner technologies is returned.

Response Parameters

Parameter	Type	Description
id	Number	Demand Partner Technology ID
name	String	Demand Partner Technology Name
enabled	Boolean	True if demand partner technology is enabled
openAuctionEnabled	Boolean	True if technology is enabled for open auction

Example Request

```
curl -X GET -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/v1/accounts/technology/1,52
```

Example Response

```
{"technologies":[{"id":1,"name":"Internal Yieldlab Demand Technology","enabled":true, "openAuctionEnabled":false}, {"id":52,"name":"DBM","enabled":true, "openAuctionEnabled": false}]}
```

Listing Demand Technologies

Publishers can retrieve information regarding the demand partner technologies updated by executing an HTTP GET request to the following URL:

```
https://api.yieldlab.net/v1/accounts/technology/${technologyIds}
```

Request Parameters

Parameter	Description
technologyIds	(Optional) Comma-separated Yieldlab Demand Partner Technologies IDs (e.g. 1,2,3). If absent, information for all available demand partner technologies is returned.

Response Parameters

Parameter	Type	Description
id	Number	Demand Partner Technology ID
name	String	Demand Partner Technology Name
enabled	Boolean	True if demand partner technology is enabled

Example Request

```
curl -X GET -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/v1/accounts/technology/1,52
```

Example Response

```
{"technologies":[{"id":1,"name":"Internal Yieldlab Demand Technology","enabled":true},{ "id":52,"name":"DBM", "enabled":true}]}
```


Demand Partners

Publishers can query for information pertaining to all or a particular demand partner by executing an HTTP GET request to the following URL:

```
https://api.yieldlab.net/v1/accounts/demand/${demandPartnerIds}
```

Request Parameters

Parameter	Type	Description
id	Number	Demand Partner ID
name	String	Demand Partner Name
visible	Boolean	True indicates that the demand partner is visible
seatId	String	Demand Partner Seat ID
reportSrc	Number	Source of reporting data (0 for Yieldlab, 1 for Demand Partner reports)
enabled	Boolean	True if demand partner is enabled
technologyId	Number	Demand Technology Id
type	Number	0 := RTB (strictly RTB, where Direct Connect is excluded) 1 := Internal 2 := Direct Connect

Example Request

```
curl -X GET -H 'Content-type: application/json' \
-H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
https://api.yieldlab.net/v1/accounts/demand/111,112
```

Example Response

```
{"demandPartners":[{"id":111,"name":"Plista","isRtb":true,"reportSrc":1,"technologyId":4},{ "id":112,"name":"Ligatus","isRtb":true,"visible":true,"seatId":1247,"reportSrc":0,"enabled":true,"technologyId":7}]}
```

Formats

You can list the different adslot formats available on Yieldlab via the following endpoint:

```
https://api.yieldlab.net/v1/accounts/formats/{formats}
```

Request Parameters

Parameter	Description
formats	(Optional) Comma-separated Yieldlab Adslot Format (e.g. 100x200,250x300,300x300). If absent, information for all available formats is returned.

Response Parameters

Parameter	Type	Description
name	String	Format Name
width	Number	Width of adslot format
height	String	Height of adslot format

Example Request

```
curl -X GET -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/v1/accounts/formats/100x300,250x300
```

Example Response

```
{"formats": [{"name": "100x300", "width": 100, "height": 300}, {"name": "Mobile", "width": 250, "height": 300}]}
```

Categories

Adding Adslots to a Category

Publishers can add a category to multiple adslots using the following URL, where `categoryCode` specifies the category:

```
https://api.yieldlab.net/v1/accounts/categories/${categoryCode}/adslots/add
```

Request Parameters

Parameter	Type	Description
ids	Array	Array of adslot IDs to add to the category

Example Request

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/v1/accounts/categories/IAB2/adslots/add \
      -d '{ids: [14865,7491]}'
```

Listing Categories

You can list information regarding available adslot categories using the following URL:

```
https://api.yieldlab.net/v1/accounts/categories/{categoryCodes}
```

Request Parameters

Parameter	Description
categoryCodes	(Optional) Comma-separated Yieldlab Adslot Category Code (e.g. IAB1,IAB2,IAB3). If absent, information for all available categories is returned.

Response Parameters

Parameter	Type	Description
description	String	Adslot Category Description
code	String	Adslot Category Code

Example Request

```
curl -X GET -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/v1/accounts/categories/IAB2,IAB3
```

Example Response

```
{"categories":[{"description":"Automotive","code":"IAB2"}, {"description":"Style & Fashion","code":"IAB3"}]}
```

Removing Adslots from a Category

Publishers can remove a category from multiple adslots using the following URL, where `categoryCode` specifies the category:

```
https://api.yieldlab.net/v1/accounts/categories/${categoryCode}/adslots/remove
```

Request Parameters

Parameter	Type	Description
ids	Array	Array of adslot IDs to remove from the category

Example Request

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/v1/accounts/categories/IAB2/adslots/remove \
      -d '{ids: [14865,7491]}'
```

Auction Settings

Through this API publishers can see and edit their auction settings.

Get Auction Settings

Auction settings can be retrieved by making an HTTP GET request to the following URL:

```
https://api.yieldlab.net/supply/v1/settings/auction
```

Response Parameters

Parameter	Type	Description
nativeImageAssetConstraint	String	Controls whether absolute (w/h) or minimum (wmin/hmin) width and height values are sent in OpenRTB auctions. Accepted values are: <ul style="list-style-type: none">• use_absolute_dimensions• use_minimum_dimensions When minimum values are sent, bid responses that have a different aspect ratio will be discarded.
yieldprobeEcpmValue	String	Controls whether the gross (as in the bid response) or the net (as in the bid response minus Yieldlab's share) eCPM value will be returned in Yieldprobes. Accepted values are: <ul style="list-style-type: none">• gross• net

Example Request

```
curl -X GET -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/settings/auction
```

Example Response

```
{
  "nativeImageAssetConstraint": "use_minimum_dimensions",
  "yieldprobeEcpmValue": "net"
}
```


Update Auction Settings

Auction settings can be updated by making an HTTP PUT request to the following URL:

```
https://api.yieldlab.net/supply/v1/settings/auction
```

Request Parameters

Parameter	Type	Description
nativeImageAssetConstraint	String	Controls whether absolute (w/h) or minimum (wmin/hmin) width and height values are sent in OpenRTB auctions. Accepted values are: <ul style="list-style-type: none">• use_absolute_dimensions• use_minimum_dimensions When minimum values are sent, bid responses that have a different aspect ratio will be discarded.
yieldprobeEcpmValue	String	Controls whether the gross (as in the bid response) or the net (as in the bid response minus Yieldlab's share) eCPM value will be returned in Yieldprobes. Accepted values are: <ul style="list-style-type: none">• gross• net

Response Parameters

Parameter	Type	Description
nativeImageAssetConstraint	String	Controls whether absolute (w/h) or minimum (wmin/hmin) width and height values are sent in OpenRTB auctions. Accepted values are: <ul style="list-style-type: none">• use_absolute_dimensions• use_minimum_dimensions When minimum values are sent, bid responses that have a different aspect ratio will be discarded.
yieldprobeEcpmValue	String	Controls whether the gross (as in the bid response) or the net (as in the bid response minus Yieldlab's share) eCPM value will be returned in Yieldprobes. Accepted values are: <ul style="list-style-type: none">• gross• net

Example Request

```
curl -X GET -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      -d '{"nativeImageAssetConstraint": "use_minimum_dimensions", "yieldprobeEcpmValue": "net"}' \
      https://api.yieldlab.net/supply/v1/settings/auction
```

Example Response

```
{
  "nativeImageAssetConstraint": "use_minimum_dimensions",
  "yieldprobeEcpmValue": "net"
}
```

Google DV 360 Provider List

Getting Google DV 360 Provider Whitelist

This API retrieves the current users DV 360 Provider Whitelist

```
/supply/v1/settings/providers
```

Response Parameters

Parameter	Type	Description
items	Long-Array	Contains all the currently whitelisted provider ids

Example Request

```
curl -X GET -H 'Content-type: application/json' \
-H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
https://api.yieldlab.net/supply/v1/settings/providers
```

Example Response

```
{
  "items": [
    123
  ]
}
```

Listing Google DV 360 Providers

This API provides functionality for listing Google DM 360 Providers.

```
/v1/providers
```

Response Parameters

Parameter	Type	Description		
items	Object	Contains Google DV 360 Provider Data		
		Parameter	Type	Description
		id	Long	ID of the provider
		name	String	Name of the provider
		policyUrl	String	Policy url of the provider
		domains	String-Array	Domains of the provider

Example Request

```
curl -X GET -H 'Content-type: application/json' \
-H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
https://api.yieldlab.net/v1/providers
```

Example Response

```
{
  "items": [
    {
      "id": 123,
      "name": "SomeProvider",
      "policyUrl": "policy.example.com",
      "domains": ["*.example.com"]
    }
  ]
}
```

Setting DV 360 Provider Whitelist

This API sets the current users DV 360 Provider Whitelist

```
https://api.yieldlab.net/supply/v1/settings/providers
```

Request Parameters

Parameter	Type	Description
items	Long-Array	Contains all provider ids which should be whitelisted

Example Request

```
curl -X PUT -H 'Content-type: application/json' \
-H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
https://api.yieldlab.net/supply/v1/settings/providers
-d '{"items': [123]}"
```

Possible Responses

HTTP-Code	Body	Description
200	Empty	The provider whitelist has been successfully updated.
422	<pre>{ "code": "string", "description": "string" }</pre>	One or more provider IDs could not be found on the global provider ID list.

Advertiser Category Filters

User can fetch details about advertiser category filters.

Listing advertiser categories

It is possible to list all the advertiser categories:

```
https://api.yieldlab.net/supply/v1/advertisercategories
```

Response Parameters

Parameter	Type	Description
advertiserCategories	List<AdvertiserCategoryDTO>	List of categories is returned
id	long	Id of one category (AdvertiserCategoryDTO param)
name	String	Name of one category (AdvertiserCategoryDTO param)

Example Request

```
curl -X GET -H 'Content-type: application/json' \
-H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
https://api.yieldlab.net/supply/v1/advertisercategories
```

Example Response

```
[{"id": 1, "name": "Attractions"}, {"id": 24, "name": "Food & Drink"}...]
```

Listing all blocked advertiser categories

User can load a list of all blocked advertiser categories for a supply partner:

```
https://api.yieldlab.net/supply/v1/filters/advertisercategories
```

Response Parameters

Type	Description
List<Long>	List of categories is returned

Example Request

```
curl -X GET -H 'Content-type: application/json' \
-H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
https://api.yieldlab.net/supply/v1/filters/advertisercategories
```

Example Response

```
[1..,20,45..]
```


Updating blocked advertiser categories

User can save a list of all blocked advertiser categories for a supply partner. It can be done by making an HTTP PUT request to the following URL:

```
https://api.yieldlab.net/supply/v1/filters/advertiserCategories
```

Request body

Parameter	Type	Required	Description
advertiserCategories	List<Long>	X	Advertiser categories to be updated for supply partner

Example Request

```
curl -X PUT -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/filters/advertiserCategories \
      -d '{"advertiserCategories":[1,2,3]}'
```

Example Response

```
{
  "advertiserCategories": [1,2,3]
}
```

Error Codes

Error Code	Type	Description	HTTP Return Code
10002	INVALID_ID	Category Id doesn't exist	400

Sites

Creating Sites

Sites can be created by making an HTTP POST request to the following URL:

```
https://api.yieldlab.net/supply/v1/sites/add
```

Request Parameters

Type	Elements
Array	SitesItem

SitesItem

Parameter	Type	Required	Description
name	String	X	Site Name Please note: leading and trailing whitespaces will be removed automatically.

Example Request

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/sites/add \
      -d '{"name": "yieldlab.de"}'
```

Example Response

```
[{"id": 999, "name": "yieldlab.de"}]
```

Error Codes

Error Code	Type	Description	HTTP Return Code
10007	DUPLICATE_NAME	Multiple Sites with the same name are not allowed	400
50005	MISSING_SITES	No Sites specified	400

Listing Sites

Publishers can query for information pertaining to all or a particular site by making an HTTP GET request to the following URL:

```
https://api.yieldlab.net/supply/v1/sites/${ids}
```

Response Parameters

Parameter	Type	Description
id	Number	Site ID
name	String	Site Name
adslotGroupIds	List	List of Adslot Group Ids

Example Request

```
curl -X GET -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/sites
```

Example Response

```
[{"id": 999, "name": "site #1", "adslotGroupIds": [1000, 1001]}
```

Updating Sites

Sites can be updated by making an HTTP POST request to the following URL:

```
https://api.yieldlab.net/supply/v1/sites/${id}
```

Request Parameters

Parameter	Type	Required	Description
name	String	X	Site Name Please note: leading and trailing whitespaces will be removed automatically.

Example Request

```
curl -X POST -H 'Content-type: application/json' \
-H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
https://api.yieldlab.net/supply/v1/sites/999 \
-d '{"name": "yieldlab.cn"}
```

Example Response

204 No Content

Error Codes

Error Code	Type	Description	HTTP Return Code
10002	INVALID_ID	Site Id doesn't exist	400
10007	DUPLICATE_NAME	Multiple Sites with the same name are not allowed	400
10008	INVALID_NAME	Site name is not allowed	400

Adslot Groups

Creating Adslot Groups

Adslot groups can be created by making an HTTP POST request to the following URL:

```
https://api.yieldlab.net/supply/v1/sites/${id}/adslotgroups/add
```

Request Parameters

Type	Elements
Array	AdslotGroupsItem

AdslotGroupsItem

Parameter	Type	Required	Description
name	String	X	Adslot Group Name Please note: leading and trailing whitespaces will be removed automatically.

Example Request

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/sites/999/adslotgroups/add \
      -d '{"name": "yieldlab.de/info"}'
```

Example Response

```
[{"id":1000,"name":"yieldlab.de/info","adslotIds":[]}]
```

Error Codes

Error Code	Type	Description	HTTP Return Code
10002	INVALID_ID	Invalid Site Id	400
10007	DUPLICATE_NAME	Adslot Group name already exists	400
10008	INVALID_NAME	Invalid Adslot Group name	400
50006	MISSING_GROUPS	No Adslot Groups specified	400

Listing Adslot Groups

Publishers can query for information pertaining to all or a particular adslot group by making an HTTP GET request to the following URL:

```
https://api.yieldlab.net/supply/v1/adslotgroups/${ids}
```

Response Parameters

Parameter	Type	Description
id	Number	Site ID
name	String	Site Name
adslotIds	List	List of Adslot Ids

Example Request

```
curl -X GET -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/adslotgroups
```

Example Response

```
[{"id": 999, "name": "group #1", "adslotIds": [1000, 1001]}
```


Updating Adslot Groups

Sites can be created by making an HTTP POST request to the following URL:

```
https://api.yieldlab.net/supply/v1/adslotgroups/${id}
```

Request Parameters

Parameter	Type	Required	Description
name	String	X	Group Name Please note: leading and trailing whitespaces will be removed automatically.

Example Request

```
curl -X POST -H 'Content-type: application/json' \
-H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
https://api.yieldlab.net/supply/v1/adslotgroups/999 \
-d '{"name": "yieldlab.cn/info"}
```

Example Response

204 No Content

Error Codes

Error Code	Type	Description	HTTP Return Code
10002	INVALID_ID	Invalid Adslot Group Id	400
10007	DUPLICATE_NAME	Multiple Adslot Groups with the same name are not allowed	400
10008	INVALID_NAME	Name is invalid	400

Moving Adslots

Adslots can be moved to a specific Adslot Group by making an HTTP POST request to the following URL:

```
https://api.yieldlab.net/supply/v1/adslotgroups/${id}/adslots/move
```

Request Parameters

Type	Required	Description
Array	X	Array of Adslot Ids to move to this Adslot Group

Example Request

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/adslotgroups/999/adslots/move \
      -d '[123,456]'
```

Example Response

204 No Content

Error Codes

Error Code	Type	Description	HTTP Return Code
10002	INVALID_ID	Couldn't find one of the Adslots to move	400
50007	MISSING_ADslots	No adslots to move	400

Adslots

Creating Adslots

Adslots can be created by making an HTTP POST request to the following URL:

```
https://api.yieldlab.net/supply/v1/adslotgroups/{groupId}/adslots/add
```

Request Parameters

In	Name	Data type	Description
Path	groupId	Number	Adslot Group to which to add new Adslots.
Body		Array<AdslotItem>	Adslots to be created.

AdslotItem

Field name	Data type	Required	Requires Adslot type	Description
name	String	X		Adslot name. Please note: leading and trailing whitespaces will be removed automatically.
url	String	X	All but Mobile App, CTV	URL of Adslot.
newFormats	Array<AdslotFormatItem>	X	All but Audio	Specifies formats (sizes) of the Adslot. The maximum is 10 formats per Adslot.
position	Number			Position of Adslot. Requires Platform type Web, Mobile Web or Mobile App. 0 = Unknown, 1 = Above The Fold, 2 = Below The Fold Defaults to 0 if omitted.
platformType	Number	X		Platform type. 1 = Web, 2 = Mobile Web, 3 = Mobile App, 4 = Addressable TV, 5 = Connected TV, 6 = Digital out of Home (DooH)
adType	Number	X		Ad type. 1 = Banner, 2 = Video, 3 = Audio, 4 = Native
overrideReferrer	Boolean			If referrer can be overridden.
fallback	Fallback			Fallback object for the Adslot, when overrideFallback is true.
categories	Array<String>			Array of IAB categories the Adslot belongs to.
filter	AdvertisersFilter			Filter object representing filtering information for the Adslot (see below).
overrideFallback	Boolean			If yes, a specific fallback should be given for the Adslot, overriding supply's generic fallback.
skippable	Boolean			True indicates that Ad is skippable.
minDuration	Number		Video, Audio	Ad minimum duration in seconds.
maxDuration	Number		Video, Audio	Ad maximum duration in seconds.
minBitrate	Number		Video, Audio	Ad minimum bit rate in Kbps.
maxBitrate	Number		Video, Audio	Ad maximum bit rate in Kbps.
mimes	Array<Number>		Video, Audio	Supported Ad MIME types. At least one value must be given. Video/DooH only: 1 = video/x-flv, 2 = video/mp4, 3 = application/x-shockwave-flash, 8 = application/javascript Audio only: 4 = audio/mpeg, 5 = audio/ogg, 6 = audio/aac, 7 = audio/wav, Defaults on Video/DooH to [1, 2] and on Audio to [4, 5, 6, 7] if omitted.

protocols	Array<Number>		Video, Audio	<p>Video ad protocols. At least one value must be given.</p> <p>2 = VAST 2.0, 5 = VAST 2.0 Wrapper, 7 = VAST 4.0, 8 = VAST 4.0 Wrapper, 11= VAST 4.1.; 12= VAST 4.1 Wrapper; 13= VAST 4.2; 14= VAST 4.2 Wrapper</p> <p>Defaults to [2 , 5] if omitted.</p>																
linearity	Number		Video, Audio	Ad linearity. Only supporting linearity = 1																
startDelay	Number		Video	<p>Ad start delay.</p> <p>-3 = Outstream(Video only), -2 = Post-Roll, -1 = Generic Mid-Roll, 0 = Pre-Roll</p> <p>Defaults to Pre-Roll if omitted.</p>																
api	Array<Number>		Video	<p>Video ad API. Could be empty.</p> <p>1 = VPAID 1.0, 2 = VPAID 2.0, 7 = OMID 1.0, 8 = SIMID 1.0, 9 = SIMID 1.1</p>																
mobileAppName	String		Mobile App, CTV	Mobile App name.																
mobileBundleName	String		Mobile App	Mobile App Bundle name.																
mobileOs	Number		Mobile App	<p>Mobile OS.</p> <p>0 = Unknown/Adslot, 1 = Android, 2 = iOS</p>																
storeUrl	String		Mobile App, CTV	Store Url.																
placementType	Number		Native	1 = In Feed, 2 = In Content, 3 = Outside Core Content / Classic Ad Placements, 4 = Recommendation Widget																
auctionType	Integer			0 = vickrey, 1 = first price																
prebidServerImpressionExtensions	Object			<p>Free form data that will be sent to Prebid Server in OpenRTB's <code>imp.ext</code> object.</p> <p>Example:</p> <pre>{ "yieldlab": { "adslotId": "13784149", "supplyId": "1381604" }, "sampleBidder": { "zoneId": "12345" } }</pre> <p>Check https://docs.prebid.org/dev-docs/bidders.html for the name and the params of the bidders you are working with.</p>																
playbackMethod	Number editable		Video	<p>The playback method as defined in the AdCOM v1.0 specification.</p> <table border="1"> <thead> <tr> <th>Value</th> <th>Definition</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Initiates on Page Load with Sound On</td> </tr> <tr> <td>2</td> <td>Initiates on Page Load with Sound Off by Default</td> </tr> <tr> <td>3</td> <td>Initiates on Click with Sound On</td> </tr> <tr> <td>4</td> <td>Initiates on Mouse-Over with Sound On</td> </tr> <tr> <td>5</td> <td>Initiates on Entering Viewport with Sound On</td> </tr> <tr> <td>6</td> <td>Initiates on Entering Viewport with Sound Off by Default</td> </tr> <tr> <td>7</td> <td>Continuous Playback - Media playback is set to play additional media automatically without user interaction. The media player will keep playing additional media (playlist or generated) for the user until the user actively stops this from happening.</td> </tr> </tbody> </table>	Value	Definition	1	Initiates on Page Load with Sound On	2	Initiates on Page Load with Sound Off by Default	3	Initiates on Click with Sound On	4	Initiates on Mouse-Over with Sound On	5	Initiates on Entering Viewport with Sound On	6	Initiates on Entering Viewport with Sound Off by Default	7	Continuous Playback - Media playback is set to play additional media automatically without user interaction. The media player will keep playing additional media (playlist or generated) for the user until the user actively stops this from happening.
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Filter

Field name	Data Type	Description
advertiserFilter	String	One of "allowlist" or "blocklist".
advertisers	Array<Number>	Array of advertiser IDs contained in the advertiser filter, or empty array if the filter list is empty.

Fallback

The Fallback object can vary depending on the type of the Adslot.

1. If Adslot ad type is 1 = *Banner*

Field name	Data Type	Description
type	String	Type of fallback, either "Redirect" or "Content".
content	String	Content info for the HTML "Content" fallback.
html	String	HTML URL for "Redirect" fallback.
javascript	String	Javascript URL for "Redirect" fallback.

2. If Adslot type is 2 = *Video* or 3 = *Audio*

Field name	Data Type	Description
type	String	Type of fallback, either "Redirect" or "Content".
xmlContent	String	Content info for the XML "Content" fallback.
xml	String	XML info for "Redirect" fallback.

AdslotFormatItem

Field name	Data Type	Description
height	Number	Height of the Adslot in pixels.
width	Number	Width of the Adslot in pixels.
floorPrice	Number	Format's Floor Price in EUR cents.

Response Parameters

In	Name	Data Type	Description
Body		Array<AdslotItem>	The created Adslots.

Example Request

```
curl -X POST -H 'Content-type: application/json' \
  -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
  https://api.yieldlab.net/supply/v1/adslotgroups/1111111/adslots/add \
  -d '{"name": "testadslot.de", "url": "www.yieldlab.de/main/ad1", "newFormats": [{"height": 1,
"width": 1, "floorPrice": 0}], "position": 1, "platformType": 1, "adType": 1, "prebidServerImpressionExtensions":
{"pubmatic": {"zoneId": "12345"}}}'
```

Example Response

```
[
  {
    "id": 9753698,
    "name": "testadslot.de",
    "formats": [
      {
        "name": "1x1",
        "height": 1,
        "width": 1,
        "floorPrice": 0
      }
    ],
    "url": "yieldlab.de/main/ad1",
    "overrideReferer": false,
    "position": 1,
    "categories": [],
    "overrideFallback": false,
    "linearity": 1,
    "groupId": 136,
    "visible": true,
    "skippable": false,
    "platformType": 1,
    "adType": 1,
    "channelId": [],
    "guaranteed": false,
    "auctionType": 0,
    "prebidServerImpressionExtensions": {
      "pubmatic": {
        "zoneId": "12345"
      }
    }
  }
]
```

Error Codes

Error Code	Type	Description	HTTP Return Code
4	INVALID_REQUEST	Multiple error reasons	400
10002	INVALID_ID	A specified ID is not valid	400
10006	MISSING_FIELD	A required field is missing	400
10011	INVALID_CATEGORIES_CODE	IAB categories specified are not valid	400
10012	INVALID_DURATION	Video adslots only: Invalid min or max duration	400
10013	INVALID_MIMES	Video adslots only: Invalid mime types	400
10014	INVALID_PROTOCOLS	Video adslots only: Invalid protocols	400
10015	INVALID_API	Video adslots only: Invalid api value	400
10016	INVALID_START_DELAY	Video adslots only: Invalid start delay value	400
10017	FOR_MOBILE_APP_ONLY	A parameter specified is not allowed for non Mobile App websites	400
10018	MISSING_MOBILE_APP_NAME	Missing required Mobile App name for Mobile App website	400
10020	INVALID_MOBILE_OS	The name of the Mobile OS is not valid	400
10021	INVALID_URL	Specified URL is not valid	400
10022	INVALID_WEBSITE_TYPE	The inventory type specified is not valid	400
30005	INVALID_VALUE	Multiple error reasons	400
50002	DUPLICATE_NAME	Multiple Sites with the same name are not allowed	400
50010	ADSLOT_CREATION_NOT_ALLOWED_FOR_DC_WITH_ENABLE_DEAL_TARGETING_DCDEAL_ACTIVE	Adslots can not be created for Direct Connect accounts with active enableDealTargetingDcdeal setting	400

50011	MULTISIZE_ADslot_CREATION_IS_ALLOWED_ONLY_FOR_SPECIFIC_AD_AND_PLATFORM_TYPE	Adslot with Multiple sizes can be created only for Ad Type ["1 = Banner"] and Platform Type one of ["1 = Web", "2 = Mobile Web", "3 = Mobile App"]	400
50013	MULTISIZE_ADslot_CREATION_IS_ALLOWED_ONLY_FOR_MAX_10_DIMENSIONS	Adslot with Multiple sizes cannot be empty and can have max. 10 specified sizes.	400
50015	MULTISIZE_ADslot_SIZE_DUPLICATED	When specifying sizes for multi size adslots every size has to be unique and can not be duplicated / sent multiple times	400

Listing Adslots

Publishers can obtain (a list of) Adslot information using the following URL:

```
https://api.yieldlab.net/supply/v1/adslots/${adslotIds}
```

Request Parameters

In	Name	Data type	Description
Path	adslotIds	String	(Optional) Comma-separated Yieldlab Adslot IDs (e.g. 1,2,3). If absent, information for all the publisher's Adslots is returned. <i>Note that for a long list of adslots "List All Adslots" is preferable.</i>

Response Parameters

In	Name	Data type	Description
Body		AdslotItems	The collection of requested Adslots.

AdslotItems

Field name	Data type	Description
adslots	Array<AdslotItem>	The requested Adslots.

AdslotItem

Field name	Data type	Applies to Adslot type	Description
id	Number		Adslot ID.
formats	Array<AdslotFormatItemResponse>		Formats (sizes) of the Adslot.
platformType	Integer		Platform type. 1 = Web, 2 = Mobile Web, 3 = Mobile App, 4 = Addressable TV, 5 = Connected TV, 6 = Digital out of Home (DooH)
adType	Integer		Ad type. 1 = Banner, 2 = Video, 3 = Audio, 4 = Native
position	Integer		Position of Adslot 0 = Unknown, 1 = Above The Fold, 2 = Below The Fold
categories	Array		Category Ids, which Adslot has.
channelId	Array		Channel Ids, in which Adslot belongs.
guaranteed	Boolean		If the Adslot is programmatic guaranteed Adslot.
filter	Object		Filter object representing filtering information for this Adslot.
url	String		Referrer URL for this Adslot.
overrideReferer	Boolean		If the Adslot referrer can be overridden.
overrideFallback	Boolean		If the Adslot should use the custom fallback override defined by the "fallback" parameter.
fallback	Object		Fallback object containing fallback information for this Adslot.
visible	Boolean		True indicates that Adslot is visible.
minDuration	Number	Video, Audio	Ad minimum duration in seconds.
maxDuration	Number	Video, Audio	Ad maximum duration in seconds

minBitrate	Number	Video, Audio	Ad minimum bit rate in Kbps.										
maxBitrate	Number	Video, Audio	Ad maximum bit rate in Kbps.										
mimes	Array	Video, Audio	Supported ad MIME types. At least one value must be given. Video/DooH only: 1 = video/x-flv, 2 = video/mp4, 3 = application/x-shockwave-flash Audio only: 4 = audio/mpeg, 5 = audio/ogg, 6 = audio/aac, 7 = audio/wav										
protocols	Array	Video, Audio	Video ad protocols. At least one value must be given. 2 = VAST 2.0, 5 = VAST 2.0 Wrapper, 7 = VAST 4.0, 8 = VAST 4.0 Wrapper, 11= VAST 4.1.; 12= VAST 4.1 Wrapper; 13= VAST 4.2; 14= VAST 4.2 Wrapper										
startDelay	Number	Video	Ad start delay. -3 = Outstream, -2 = Post-Roll, -1 = Generic Mid-Roll, 0 = Pre-Roll										
api	Array	Video	Video ad API. Could be empty. 1 = VPAID 1.0, 2 = VPAID 2.0, 7 = OMID 1.0, 8 = SIMID 1.0, 9 = SIMID 1.1										
linearity	Number	Video, Audio	Ad linearity. linearity = 1										
mobileAppName	String	Mobile App, CTV	Mobile App name.										
mobileBundleName	String	Mobile App	Mobile App Bundle name.										
mobileOs	Integer	Mobile App	Mobile OS. 0 = Unknown/Adslot, 1 = Android, 2 = iOS										
storeUrl	String	Mobile App, CTV	Store Url.										
groupId	Integer		The Adslot Group ID to which the Adslot belongs.										
auctionType	Integer		0 = vickrey, 1 = first price										
skippable	Boolean		True indicates that Ad is skippable.										
prebidServerImpressionExtensions	Object		Free form data that will be sent to Prebid Server in OpenRTB's <code>imp.ext</code> object										
playbackMethod	Number	Video	The playback method as defined in the AdCOM v1.0 specification .										
nativeTemplateId	Number	Native	The ID of the native template to be used for the adslot.										
videoPlacementType	Number	Video	The video placement type (plcmt) as defined in the AdCOM v1.0 specification <table border="1" data-bbox="721 1207 1003 1409"> <thead> <tr> <th>Value</th> <th>Definition</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Instream</td> </tr> <tr> <td>2</td> <td>Accompanying Content</td> </tr> <tr> <td>3</td> <td>Interstitial</td> </tr> <tr> <td>4</td> <td>No Content / Standalone</td> </tr> </tbody> </table>	Value	Definition	1	Instream	2	Accompanying Content	3	Interstitial	4	No Content / Standalone
Value	Definition												
1	Instream												
2	Accompanying Content												
3	Interstitial												
4	No Content / Standalone												

Filter

Field name	Data Type	Description
advertiserFilter	String	One of "allowlist" or "blocklist".
advertisers	Array	Array of advertiser IDs contained in the advertiser filter, or empty array if the filter list is empty.

Fallback

The `Fallback` object can vary depending on the type of the Adslot.

1. If Adslot ad type is `1 = Banner`

Field name	Data Type	Description
type	String	Type of fallback, either "Redirect" or "Content".
content	String	Content info for the HTML "Content" fallback.

html	String	HTML info for "Redirect" fallback.
javascript	String	Javascript info for "Redirect" fallback.

2. If Adslot ad type is 2 = Video or 3 = Audio

Field name	Data Type	Description
type	String	Type of fallback, either "Redirect" or "Content".
xmlContent	String	Content info for the XML "Content" fallback.
xml	String	XML info for "Redirect" fallback.

AdslotFormatItemResponse

Field name	Data Type	Description
height	Number	Height of the Adslot in pixels.
width	Number	Width of the Adslot in pixels.
floorPrice	Number	Format's Floor Price in EUR cents.
name	String	The Size in "WidthxHeight" format (i.e. "320x240")

Example Request

```
curl -X GET -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/adslots/14865,15589
```

Example Response

```
{
  "adslots": [
    {
      "id": 14865,
      "name": "Metrigo BMW",
      "linearity": 1,
      "guaranteed": false,
      "formats": [
        {
          "name": "300x350",
          "height": 350,
          "width": 300,
          "floorPrice": 0
        }
      ],
      "groupId": 135,
      "filter": {
        "advertisers": [
          17726,
          19814
        ],
        "advertiserFilter": "blacklist"
      },
      "url": "http://www.yieldlab.de",
      "overrideReferer": true,
      "platformType": 2,
      "adType": 1,
      "categories": [],
      "channelId": [],
      "overrideFallback": false,
      "visible": true,
      "skippable": false
    }
  ]
}
```

```
},
{
  "adType": 2,
  "api": [],
  "auctionType": 0,
  "categories": [],
  "channelId": [
    148419,
    231787
  ],
  "fallback": {
    "type": "Content",
    "xmlContent": "<VAST version=\"2.0\"><Ad id=\"146234\"><Wrapper></Wrapper></Ad></VAST>"
  },
  "groupId": 136,
  "guaranteed": false,
  "id": 146234,
  "linearity": 1,
  "maxDuration": 600,
  "mimes": [
    1,
    2,
    3
  ],
  "minDuration": 0,
  "name": "Vast Test",
  "overrideFallback": true,
  "overrideReferer": false,
  "platformType": 1,
  "position": 0,
  "protocols": [
    2,
    5
  ],
  "smartFloorPrice": 0,
  "startDelay": 0,
  "url": "https://test.de/",
  "visible": true,
  "skippable": false
}
}
```

Listing Programmatic Guaranteed Adslots (DEPRECATED)



Deprecated

This endpoint is deprecated and going to be disabled soon. Please use [Listing Adslots](#) instead

Publishers can obtain the complete list of Programmatic Guaranteed adslots using the following URL:

```
https://api.yieldlab.net/supply/v1/adslots/guaranteed
```

Response Parameters

Parameter	Type	Description
id	Number	Adslots ID
name	String	Adslot Name
format	String	Format of adslot for example "1024x576"
groupId	Integer	The Adslot Group ID to which the Adslot belongs
platformType	Integer	Platform type: 1 = Web, 2 = Mobile Web 3 = Mobile App 4 = Addressable TV 5 = Connected TV 6 = Digital out of Home (DooH)
adType	Integer	Ad type: 1 = Banner 2 = Video 3 = Audio 4 = Native
channelId	Array	Channel Ids, in which adslot belongs
visible	Boolean	True indicates that adslot is visible
url	String	Referer URL for this adslot
guaranteed	Boolean	Always true
auctionType	Integer	0 = vickrey 1 = first price

Example Request

```
curl -X GET -H 'Content-type: application/json' \
-H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
https://api.yieldlab.net/supply/v1/adslots/guaranteed
```

Example Response

```
{
  "adslots": [
    {
      "id": 705850,
      "name": "Guaranteed test tag",
      "format": "100x100",
      "url": "yieldlab.de",
      "groupId": 136,
      "visible": true,
      "platformType": 1,
      "adType": 2,
      "channelId": [
        231787
      ],
      "guaranteed": true,
      "auctionType": 0
    }
  ]
}
```

Listing All Adslots

Publishers can obtain a list of all Adslots using the following URL:

```
https://api.yieldlab.net/supply/v1/adslots/list
```

Response Parameters

In	Name	Data type	Description
Body		AdslotItems	The collection of requested Adslots.

AdslotItems

Field name	Data type	Description
adslots	Array<AdslotItem>	The requested Adslots.

AdslotItem

Field name	Data type	Applies to Adslot type	Description
id	Number		Adslot ID.
name	String		Adslot name.
formats	Array<AdslotFormatItem Response>		Formats (sizes) of the Adslot.
platformType	Integer		Platform type. 1 = Web, 2 = Mobile Web, 3 = Mobile App, 4 = Addressable TV, 5 = Connected TV, 6 = Digital out of Home (DooH)
adType	Integer		Ad type. 1 = Banner, 2 = Video, 3 = Audio, 4 = Native
position	Integer		Position of Adslot 0 = Unknown, 1 = Above The Fold, 2 = Below The Fold
guaranteed	Boolean		If the Adslot is programmatic guaranteed Adslot.
channelId	Array		Channel Ids in which Adslot belongs.
minBitrate	Number	Video, Audio	Ad minimum bit rate in Kbps.
maxBitrate	Number	Video, Audio	Ad maximum bit rate in Kbps.
linearity	Integer	Video, Audio	Ad linearity. linearity = 1
url	String		Referrer URL for this Adslot.
overrideReferer	Boolean		If the Adslot referrer can be overridden.
overrideFallback	Boolean		If the Adslot should use the custom fallback override defined by the "fallback" parameter.
visible	Boolean		True indicates that Adslot is visible.
groupId	Integer		The Adslot Group ID to which the Adslot belongs.
auctionType	Integer		0 = vickrey, 1 = first price
skippable	Boolean		True indicates that Ad is skippable.
prebidServerImpression Extensions	Object		Free form data that will be sent to Prebid Server in OpenRTB's imp.ext object
playbackMethod	Number	Video	The playback method as defined in the AdCOM v1.0 specification .

nativeTemplateId	Number	Native	The ID of the native template to be used for the adslot.										
videoPlacementType	Number	Video	The video placement type (plcmt) as defined in the AdCOM v1.0 specification <table border="1" data-bbox="824 218 1109 422"> <thead> <tr> <th>Value</th> <th>Definition</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Instream</td> </tr> <tr> <td>2</td> <td>Accompanying Content</td> </tr> <tr> <td>3</td> <td>Interstitial</td> </tr> <tr> <td>4</td> <td>No Content / Standalone</td> </tr> </tbody> </table>	Value	Definition	1	Instream	2	Accompanying Content	3	Interstitial	4	No Content / Standalone
Value	Definition												
1	Instream												
2	Accompanying Content												
3	Interstitial												
4	No Content / Standalone												

AdslotFormatItemResponse

Field name	Data Type	Description
height	Number	Height of the Adslot in pixels.
width	Number	Width of the Adslot in pixels.
floorPrice	Number	Format's Floor Price in EUR cents.
name	String	The Size in "WidthxHeight" format (i.e. "320x240")

Example Request

```
curl -X GET -H 'Content-type: application/json' \
-H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
https://api.yieldlab.net/supply/v1/adslots/list
```

Example Response


```
{
  "adslots": [
    {
      "id": 14865,
      "name": "Metrigo BMW",
      "guaranteed": false,
      "formats": [
        {
          "name": "300x350",
          "height": 350,
          "width": 300,
          "floorPrice": 0
        }
      ],
      "groupId": 135,
      "linearity": 1,
      "channelId": [],
      "url": "http://www.yieldlab.de",
      "overrideReferer": true,
      "platformType": 2,
      "auctionType": 0,
      "adType": 1,
      "position": 0,
      "overrideFallback": false,
      "visible": true,
      "skippable": true
    },
    {
      "adType": 2,
      "auctionType": 0,
      "formats": [
        {
          "name": "200x300",
          "height": 300,
          "width": 200,
          "floorPrice": 0
        }
      ],
      "groupId": 136,
      "linearity": 1,
      "channelId": [],
      "guaranteed": false,
      "id": 146234,
      "name": "Vast Test",
      "overrideFallback": true,
      "overrideReferer": false,
      "platformType": 1,
      "position": 0,
      "url": "https://test.de/",
      "visible": true,
      "skippable": false
    }
  ]
}
```

Updating Adslots

Certain Adslot fields can also be updated by executing an HTTP POST request to the following URL:

```
https://api.yieldlab.net/supply/v1/adslots/${adslotId}
```

Request Parameters

In	Name	Type	Description
Path	adslotId	Number	ID of the Adslot to be updated.
Body		AdslotItem	Parameters to be updated. All of the parameters are optional, and only those requiring an update need to be included in the request.

AdslotItem

All of the fields are optional, and only those requiring an update need to be included in the request.

Field name	Type	Applies to Adslot type	Description
name	String		Adslot name. Please note: leading and trailing whitespaces will be removed automatically.
newFormats	Array<AdslotFormatItem>	All but Audio	Specifies formats (sizes) of the Adslot. The maximum is 10 formats per Adslot.
position	Number		Position of the Adslot. Requires Platform type Web, Mobile Web or Mobile App. 0 = Unknown, 1 = Above The Fold, 2 = Below The Fold
filter	Object		Filter object representing filtering information for the Adslot (see above).
url	String	All but Mobile App, CTV	Adslot referrer can be overridden.
categories	Array		Array of categories the Adslot belongs to.
overrideReferrer	Boolean		If referrer can be overridden.
overrideFallback	Boolean		If yes, a specific fallback should be given for the Adslot, overriding supply's generic fallback.
fallback	Object		Fallback object for the Adslot, when overrideFallback is true.
skippable	Boolean		True indicates that Ad is skippable.
minDuration	Number	Video, Audio	Ad minimum duration in seconds.
maxDuration	Number	Video, Audio	Ad maximum duration in seconds.
minBitrate	Number	Video, Audio	Ad minimum bit rate in Kbps.
maxBitrate	Number	Video, Audio	Ad maximum bit rate in Kbps.
mimes	Array	Video, Audio	Supported ad MIME types. At least one value must be given. Video/DooH only: 1 = video/x-flv, 2 = video/mp4, 3 = application/x-shockwave-flash, 8 = application/javascript Audio only: 4 = audio/mpeg, 5 = audio/ogg, 6 = audio/aac, 7 = audio/wav
protocols	Array	Video, Audio	Video ad protocols. At least one value must be given. 2 = VAST 2.0, 5 = VAST 2.0 Wrapper, 7 = VAST 4.0, 8 = VAST 4.0 Wrapper, 11= VAST 4.1.; 12= VAST 4.1 Wrapper; 13= VAST 4.2; 14= VAST 4.2 Wrapper
startDelay	Number	Video	Video ad start delay. -3 = Outstream(Video only), -2 = Post-Roll, -1 = Generic Mid-Roll, 0 = Pre-Roll

api	Array	Video	Video ad API. Could be empty. 1 = VPAID 1.0, 2 = VPAID 2.0, 7 = OMID 1.0, 8 = SIMID 1.0, 9 = SIMID 1.1																
mobileAppName	String	Mobile App, CTV	Mobile App name.																
mobileBundleName	String	Mobile App	Mobile App Bundle name.																
mobileOs	Integer	Mobile App	Mobile OS. 0 = Unknown/Adslot, 1 = Android, 2 = iOS																
storeUrl	String	Mobile App, CTV	Store Url.																
groupId	Integer		The Adslot Group ID to which the Adslot belongs.																
auctionType	Integer		0 = vickrey, 1 = first price																
prebidServerImpressionExtensions	Object		Free form data that will be sent to Prebid Server in OpenRTB's <code>imp.ext</code> object. Example: <pre>{ "yieldlab": { "adslotId": "13784149", "supplyId": "1381604" }, "sampleBidder": { "zoneId": "12345" } }</pre> Check https://docs.prebid.org/dev-docs/bidders.html for the name and the params of the bidders you are working with.																
playbackMethod	Number	Video	The playback method as defined in the AdCOM v1.0 specification . <table border="1"> <thead> <tr> <th>Value</th> <th>Definition</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Initiates on Page Load with Sound On</td> </tr> <tr> <td>2</td> <td>Initiates on Page Load with Sound Off by Default</td> </tr> <tr> <td>3</td> <td>Initiates on Click with Sound On</td> </tr> <tr> <td>4</td> <td>Initiates on Mouse-Over with Sound On</td> </tr> <tr> <td>5</td> <td>Initiates on Entering Viewport with Sound On</td> </tr> <tr> <td>6</td> <td>Initiates on Entering Viewport with Sound Off by Default</td> </tr> <tr> <td>7</td> <td>Continuous Playback - Media playback is set to play additional media automatically without user interaction. The media player will keep playing additional media (playlist or generated) for the user until the user actively stops this from happening.</td> </tr> </tbody> </table>	Value	Definition	1	Initiates on Page Load with Sound On	2	Initiates on Page Load with Sound Off by Default	3	Initiates on Click with Sound On	4	Initiates on Mouse-Over with Sound On	5	Initiates on Entering Viewport with Sound On	6	Initiates on Entering Viewport with Sound Off by Default	7	Continuous Playback - Media playback is set to play additional media automatically without user interaction. The media player will keep playing additional media (playlist or generated) for the user until the user actively stops this from happening.
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Value	Definition																		
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3	Interstitial																		
4	No Content / Standalone																		

Filter

Field name	Data Type	Description
advertiserFilter	String	One of "allowlist" or "blocklist". If list of advertisers needs to be updated - filter must be provided. If only categories filters will be updated - this flag has no effect.
advertisers	Array	Array of advertiser IDs contained in the advertiser filter, or empty array if the filter list is empty.
advertiserCategories	Array	Array of category IDs contained in the category filter, or empty array if the filter list is empty. Advertiser categories are always a blocklist, regardless of the setting in advertiserFilter

Fallback

The `Fallback` object can vary depending on the type of the Adslot.

1. If Adslot ad type is 1 = *Banner*

Field name	Data Type	Description
type	String	Type of fallback, either "Redirect" or "Content".
content	String	Content info for the HTML "Content" fallback.
html	String	HTML URL for "Redirect" fallback.
javascript	String	Javascript URL for "Redirect" fallback.

2. If Adslot ad type is 2 = *Video* or 3 = *Audio*

Field name	Data Type	Description
type	String	Type of fallback, either "Redirect" or "Content".
xmlContent	String	Content info for the XML "Content" fallback.
xml	String	XML info for "Redirect" fallback.

AdslotFormatItem

Field name	Data Type	Description
height	Number	Height of the Adslot in pixels.
width	Number	Width of the Adslot in pixels.
floorPrice	Number	Format's Floor Price in EUR cents.

Response Parameters

In	Name	Type	Description
Body		AdslotItem	The updated Adslot.

Example Request

For adslot 7500, set floor price to 25 cents and categories to IAB2 (1)

```
curl -X POST -H 'Content-type: application/json' \
  -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
  https://api.yieldlab.net/supply/v1/adslots/7500 \
  -d '{"categories":["IAB2"], "minDuration":10, "maxDuration":30, "mimes":[1,2]}'
```

Filter containing only advertisers details.

For adslot 7489, change the floor price to 30 and add a new advertiser with ID 11939 to the filter (2a)

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/adslots/7489 \
      -d '{"filter":{"advertiserFilter":"allowlist","advertisers":[11939]}}'
```

Filter containing both categories and advertiser details.

For adslot 7489, change the floor price to 30 and add a new advertiser with ID 11939 to the filter (2b)

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/adslots/7489 \
      -d '{"filter":{"advertiserFilter":"allowlist","advertisers":[11939], "advertiserCategories":
[1,2]}}'
```

Filter containing only categories details.

For adslot 7489, change the floor price to 30 and add a new advertiser with ID 11939 to the filter (2c)

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/adslots/7489 \
      -d '{"filter":{"advertiserCategories":[1,2]}}'
```

For adslot 7489, change the fallback and the referer information (3)

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/adslots/7489 \
      -d '{"overrideReferer":true, "url":"www.yieldlab.de","overrideFallback":true\
,"fallback":{"type":"Content","content":"<!-- Fallback -->","xmlContent":"<fallback><
/fallback>"}}'
```

Example Response

Response (1)

```
{
  "id": 7500,
  "name": "Test Video RTB",
  "formats": [
    {
      "name": "1x1",
      "height": 1,
      "width": 1,
      "floorPrice": 0
    }
  ],
  "filter": {
    "advertisers": [],
    "advertiserFilter": "allowlist",
    "advertiserCategories": [1,3]
  },
  "platformType": 3,
  "adType": 1,
  "categories": [
    "IAB2"
  ],
  "visible": true,
  "skippable": false,
  "minDuration": 10,
  "maxDuration": 30,
  "mimes": [
    1,
    2
  ],
  "protocols": [
    5
  ],
  "linearity": 1,
  "startDelay": -2,
  "api": []
}
```

Response (2)

```
{
  "id": 7489,
  "name": "Test Adcloud RTB",
  "formats": [
    {
      "name": "1x1",
      "height": 1,
      "width": 1,
      "floorPrice": 23
    }
  ],
  "filter": {
    "advertisers": [
      11939
    ],
    "advertiserFilter": "allowlist",
    "advertiserCategories": []
  },
  "platformType": 3,
  "adType": 1,
  "categories": [
    "IAB2"
  ],
  "visible": true,
  "skippable": false,
}
```

Response (3)

```
{
  "id": 7489,
  "name": "Test Adcloud RTB",
  "formats": [
    {
      "name": "1x1",
      "height": 1,
      "width": 1,
      "floorPrice": 555
    }
  ],
  "filter": {
    "advertisers": [
      11939
    ],
    "advertiserFilter": "allowlist",
    "advertiserCategories": [1,3]
  },
  "platformType": 3,
  "adType": 1,
  "categories": [
    "IAB2"
  ],
  "overrideReferer": true,
  "url": "www.yieldlab.de",
  "overrideFallback": true,
  "fallback": {
    "type": "Content",
    "content": "",
    "xmlContent": "",
    "visible": true
  }
}
```

Error Codes

Error Code	Type	Description	HTTP Return Code
40010	DUPLICATES	Violation of unique values	400
60000	OVERRIDE_FALLBACK_MISSING	Fallback should be empty when override is not set	400
60001	INVALID_FALLBACK_CONTENT	Invalid fallback content	400
60002	MISSING_FALLBACK_CONFIG	Invalid fallback configuration	400
60003	MISSING_FALLBACK_TYPE	Missing fallback type	400
60004	INVALID_FALLBACK_URL	Invalid fallback URLs for Redirect	400
110011	INVALID_ID	Non existing category Id(s) provided	400
10011	INVALID_CATEGORIES_CODE	Invalid category code	400
10012	INVALID_DURATION	Invalid video duration	400
10013	INVALID_MIMES	Invalid video mimes	400
10014	INVALID_PROTOCOLS	Invalid video protocols	400
10015	INVALID_API	Invalid video api	400
10016	INVALID_START_DELAY	Invalid video start delay	400
10017	FOR_MOBILE_APP_ONLY	Fields are allowed only the website type: 2 = Mobile App	400
10018	MISSING_MOBILE_APP_NAME	Missing mobile app name Only the website type: 2 = Mobile App	400
10019	MISSING_MOBILE_OS	Missing mobile os Only the website type: 2 = Mobile App	400
30024	INVALID_AUCTION_TYPE	Invalid auction type	400
50011	MULTISIZE_ADslot_CREATION_IS_ALLOWED_ONLY_FOR_SPECIFIC_AD_AND_PLATFORM_TYPE	Adslot with Multiple sizes can be configured only for Ad Type ["1 = Banner"] and Platform Type one of ["1 = Web", "2 = Mobile Web", "3 = Mobile App"]	400
50013	MULTISIZE_ADslot_CREATION_IS_ALLOWED_ONLY_FOR_MAX_10_DIMENSIONS	Adslot with Multiple sizes cannot be empty and can have max. 10 specified sizes.	400
50015	MULTISIZE_ADslot_SIZE_DUPLICATED	When specifying sizes for multi size adslots every size has to be unique and can not be duplicated / sent multiple times	400

Adslot - Listing Partnerships

Publishers can find out what partnerships an adslot belongs to by making an HTTP GET request to the following URL:

```
https://api.yieldlab.net/supply/v1/adslots/{adslotId}/partnerships/
```

Response Parameters

Parameter	Type	Description
id	Number	Partnership ID
name	String	Partnership Name
floorPrice	Number	The partnership adslot floor price in cents
fixedPrice	Number	The partnership adslot fixed price in cents

Example Request

```
curl -X GET -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/adslots/15589/partnerships
```

Example Response

```
{"adslotPartnerships":[{"id":7491, "name":"Ligatus RTB", "floorPrice":100, "fixedPrice":0}, {"id":3505, "name":"Test Partnership", "floorPrice":0, "fixedPrice":0}]}
```

Adslot - Adding to Partnerships

An adslot can be added to one or more partnerships by making an HTTP POST request to the following URL, where adslot ID specifies the adslot to be updated:

```
https://api.yieldlab.net/supply/v1/adslots/${adslotId}/partnerships/add
```

Request Parameters

Parameter	Type	Description
ids	Array	Array of partnership IDs to be added into the adslot

Example Request

```
curl -X POST -H 'Content-type: application/json' \
-H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
https://api.yieldlab.net/supply/v1/adslots/15589/partnerships/add \
-d '{"ids": [24, 25]}'
```

Example Response

```
[{"id":7491, "name":"Ligatus RTB","floorPrice":15}, {"id":3505, "name":"Test Partnership","floorPrice":0}, {"id":24, "name":"YL-Plista", "floorPrice":0}, {"id":25, "name":"YL-Ligatus", "floorPrice":0}]
```

Error Codes

Error Code	Type	Description	HTTP Return Code
40010	DUPLICATES	Violation of unique values	400
30008	MIXING_GUARANTEED_AND_NONGUARANTEED_ITEMS	Can't add programmatic guaranteed adslots to non-programmatic guaranteed partnerships	400
30016	CANT_CHANGE_PARTNERSHIP_WEBSITES_FOR_DC_WITH_ENABLED_DEAL_TARGETING_DCDEAL_ACTIVE	Cannot change a partnership's websites for DC accounts with enableDealTargetingDcdeal active	400
30019	ADSLOT_CONNECTED_WITH_INTERNAL_TECHNOLOGY	Cannot add partnership, because the demand partner is internal	400
50019	PARTNERSHIP_ACTIVE_SIZES_OVERLAP_EXIST	One or more private auctions with the same dimensions are already associated with the same demand partner and adslot	400

Adslot - Updating Partnerships

Publisher can update partnership information pertaining to a particular adslot by making an HTTP POST request to the following URL:

```
https://api.yieldlab.net/supply/v1/adslots/${adslotId}/partnerships/
```

Request Parameters

Parameter	Type	Required	Description
id	Number	X	Partnership ID
floorPrice	Number		The partnership adslot floor price in cents
fixedPrice	Number		The partnership adslot fixed price in cents

Example Request

For partnership 7491 of adslot 15589, update the floorprice to 15

```
curl -X POST -H 'Content-type: application/json' \
-H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
https://api.yieldlab.net/supply/v1/adslots/15589/partnerships \
-d '[{"id":7491,"floorPrice":15}]'
```

Example Response

```
[{"id":7491, "name":"Ligatus RTB", "floorPrice":15}, {"id":3505, "name":"Test Partnership", "floorPrice":0}]
```

Error Codes

Error Code	Type	Description	HTTP Return Code
40010	DUPLICATES	Violation of unique values	400

Adslot - Removing from Partnerships

An adslot can also be removed from one or more partnerships by making an HTTP POST request to the following URL, where adslot ID specifies the adslot to be updated:

```
https://api.yieldlab.net/supply/v1/adslots/${adslotId}/partnerships/remove
```

Request Parameters

Parameter	Type	Description
ids	Array	Array of partnership IDs to be removed from the adslot

Example Request

Remove partnership 25 from adslot 15589

```
curl -X POST -H 'Content-type: application/json' \
-H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
https://api.yieldlab.net/supply/v1/adslots/15589/partnerships/remove \
-d '{"ids": [25]}'
```

Example Response

```
[{"id":7491, "name":"Ligatus RTB", "floorPrice":100}, {"id":3505, "name":"Test Partnership", "floorPrice":0}, {"id":24, "name":"YL-Plista", "floorPrice":0}]
```

Error Codes

Error Code	Type	Description	HTTP Return Code
40010	DUPLICATES	Violation of unique values	400
30016	CANT_CHANGE_PARTNERSHIP_WEBSITES_FOR_DC_WITH_ENABLE_DEAL_TARGETING_DCDEAL_ACTIVE	Can't change a partnerships' websites for DC accounts with enableDealTargetingDcdeal active.	400
30019	ADSLLOT_CONNECTED_WITH_INTERNAL_TECHNOLOGY	Cannot remove partnership, because the demand partner is internal	400

Adslot - Show AdTags

Retrieves the AdTags for particular Adslot or for all Adslots with the HTTP GET request.

```
https://api.yieldlab.net/supply/v1/adslots/${adslotIds}/tags
```

Request Parameters

Parameter	Type	Description
adslotIds	Numbers	(Optional) Comma-separated Yieldlab adslot IDs (e.g. 1,2,3). If absent, adTags for all the adslots requested.
secure	Boolean	(default = false = http) Allowing to choose between http and https adtags

Response Parameters

Type	Description
Map<Long, String>	The AdTag for the adslot with it's id or if adslotId is absent - all adTags with id as a key

Example Request

```
curl -X GET -H 'Content-type: application/json' -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' "https://api.yieldlab.net/supply/v1/adslots/63744/tags"
curl -X GET -H 'Content-type: application/json' -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' "https://api.yieldlab.net/supply/v1/adslots/63744/tags?secure=true"

curl -X GET -H 'Content-type: application/json' -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' "https://api.yieldlab.net/supply/v1/adslots/tags"
curl -X GET -H 'Content-type: application/json' -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' "https://api.yieldlab.net/supply/v1/adslots/tags?secure=true"
```

Example Response

```
<!-- secure is false by default -->
[
  63744: <script type="text/javascript" language="JavaScript" src="http://ad-test1:8080/d/63744/1550/?ts=[zeitstempel]"></script>
]

<!-- when request with secure=true -->
[
  63744: <script type="text/javascript" language="JavaScript" src="https://ad-test1:8080/d/63744/1550/?ts=[zeitstempel]"></script>
]
```

Disable Adslots

Disabling Adslots is the process of deleting them from YRD and removing all connected Partnerships.

Adslots can be disabled by making an HTTP PUT request to the following URL:

```
https://api.yieldlab.net/supply/v1/admin/adslots/disable
```

Request Parameters

Parameter	Type	Description
ids	Array	Array of Adslot IDs to be disabled

Example Request

```
curl -X PUT -H 'Content-type: application/json' \
-H 'X-Auth-Token: c2b18b5c-1f5c-4eda-a460-dc405e7ff27b' \
https://api.yieldlab.net/supply/v1/adslots/disable \
-d '{"ids": [12345, 54321]}'
```

Example Response

```
{
  "response": "Following adslots: [12345, 54321] have been disabled for supply: 6789"
}
```

Error Codes

Error Code	Type	Description	HTTP Return Code
4	INVALID_REQUEST	At least one Adslot should be given	400
30029	ADSLOTS_NOT_FOUND_FOR_SUPPLY	Following adslots: [12345, 54321] are not found for supply: 6789	400

Partnerships

The partnership API provides the ability to list and update partnership information between a publisher and a demand partner.

Listing Partnerships

Publishers can query for information pertaining to all or a particular partnership by making an HTTP GET request to the following URL:

```
https://api.yieldlab.net/supply/v1/partnerships/${partnershipIds}
```

Request Parameters

Parameter	Description
partnershipIds	(Optional) Comma-separated Yieldlab partnership IDs (e.g. 1,2,3). If absent, information for all the publisher's partnerships is returned

Response Parameters

Parameter	Type	Description
id	Number	Partnership ID
name	String	Partnership Name
demandId	Number	Yieldlab Demand Partner ID
demandName	String	Demand Partner Name
floorPrice	Number	The partnerships floor price in cents
fixedPrice	Number	The partnerships fixed price in cents
billing	Number	Indicates Invoice Source (0 for Yieldlab, 1 for Demand Partner)
dealId	String	Deal ID of partnership if any
dealDates	Object	Deal start and end dates of partnership, if applicable
biasType	Number	0: NONE, 1: FLAT, 2: PERCENTAGE
bias	Number	Bias value. Only for types FLAT and PERCENTAGE
type	Number	0: Private Auction, 1: Deal, 2: Programmatic Guaranteed, 3: Preferred Deal
priority	Number	Partnership priority
auctionType	Number	0 = vickrey, 1 - first price
state	Number	Enabled state of the Partnership 0: ACTIVE, 1: MANUALLY_DEACTIVATED, 2: AUTOMATICALLY_DEACTIVATED
activeSizes	Array	Array of active sizes
description	String	Partnership description

DealDates Object

Parameter	Data Type	Description
dealStart	Date	Start date of deal.
dealEnd	Date	End date of deal. If not set, deal run-time is unlimited.

Example Request


```
curl -X GET -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/partnerships
```

Example Response

```
{
  "partnerships": [
    {
      "id": 24,
      "name": "YL-Plista",
      "demandId": 111,
      "demandName": "Plista",
      "billing": 0,
      "floorPrice": 10,
      "fixedPrice": 0,
      "dealId": "345",
      "dealDates": {
        "dealStart": "2021-08-03T00:00+0200",
        "dealEnd": "2022-08-16T00:00+0200"
      },
      "priority": 0,
      "type": 1,
      "biasType": 1,
      "bias": 100,
      "auctionType": 0,
      "state": 1,
      "activeSizes": []
    },
    {
      "id": 25,
      "name": "YL-Ligatus",
      "demandId": 112,
      "demandName": "Ligatus",
      "billing": 0,
      "floorPrice": 0,
      "fixedPrice": 10,
      "priority": 0,
      "type": 0,
      "biasType": 0,
      "auctionType": 0,
      "state": 0,
      "activeSizes": [
        "300x250"
      ]
    }
  ]
}
```

Creating Partnerships

Partnerships can be created by making an HTTP POST request to the following URL:

```
https://api.yieldlab.net/supply/v1/partnerships/add
```

Request Parameters

Parameter	Type	Required	Description
name	String	X	Partnership Name Please note: leading and trailing whitespaces will be removed automatically.
demandId	Number	X	Yieldlab Demand Partner ID
type	Number	X	Partnership Type 0: Default 1: Deal 2: Programmatic Guaranteed 3: Preferred Deal
activeSizes	Array		Array of active sizes Defines the whitelist for adslot sizes in string format
description	String		Partnership description Maximum length: 255 characters

Remarks

- To create a new partnership with type Deal (type = 1 or 3) or Programmatic Guaranteed (type = 2), then Yieldlab Demand Partner should be able to support Deals, i.e. has a Seat Id.
- For new partnerships of type Deal or Programmatic Guaranteed:
 1. Deal ID is set automatically as the partnership's ID.
 2. Deal Start Date is set automatically as the creation date.

Example Request

```
curl -X POST -H 'Content-type: application/json' \
-H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
https://api.yieldlab.net/supply/v1/partnerships/add \
-d '{"name": "YL-TestPartnership", "demandId": 112, "type": 2, "activeSizes": ["300x250", "800x600"]}'
```

Example Response

```

{
  "id": 999,
  "name": "YL-TestPartnership",
  "demandId": 112,
  "demandName": "Ligatus",
  "billing": 0,
  "floorPrice": 0,
  "fixedPrice": 0,
  "dealId": "999",
  "dealDates": {
    "dealStart": "2021-08-24T14:52+0200"
  },
  "priority": 0,
  "type": 2,
  "biasType": 0,
  "auctionType": 0,
  "state": 0,
  "activeSizes": [
    "300x250",
    "800x600"
  ]
}

```

Error Codes

Error Code	Type	Description	HTTP Return Code
10027	INVALID_DESCRIPTION	Partnership description exceeds 255 characters	400
30012	DUPLICATE_PARTNERSHIP_DEALID	Multiple Partnerships with the same dealId are not allowed	400
30014	INVALID_DEMANDPARTNER_FOR_PARTNERSHIP	Demand partner does not support Deals or Programmatic Guaranteed	400
30018	AUTOCONFIGURED_PARTNERSHIP_CAN_ONLY_BE_DEAL_TYPE	Direct Connect accounts with active enableDealTargetingDcdeal setting must only create deal partnerships	400
50018	PARTNERSHIP_ACTIVE_SIZES_AMOUNT_EXCEEDED	The amount of activeSizes per Partnership is limited to 1000	400
50019	PARTNERSHIP_ACTIVE_SIZES_OVERLAP_EXIST	One or more private auctions with the same dimensions are already associated with the same demand partner and adslot	400
50020	DIMENSION_NOT_ALLOWED_FOR_SUPPLY_PARTNER	activeSizes can only be set when a connected adslot with this size exists	400
50021	PARTNERSHIP_ACTIVE_SIZES_CHANGE_NOT_ALLOWED	DC Deal Targeting is enabled and therefore no change of activeSizes is allowed	400
50022	PARTNERSHIP_ACTIVE_SIZES_CONTAIN_NULL	activeSizes array contains null value/element	400

Updating Partnerships

Certain partnership details can also be updated by making an HTTP POST request to the following URL, where partnership ID specifies the partnership to update:

```
https://api.yieldlab.net/supply/v1/partnerships/${partnershipId}
```

Request Parameters

The following request parameters are **optional**, and only those requiring an update need to be included in the request:

Parameter	Type	Description
name	String	Partnership Name Please note: leading and trailing whitespaces will be removed automatically.
floorPrice	Number	The partnership's floor price in cents
fixedPrice	Number	The partnership's fixed price in cents
dealId	String	Deal ID of partnership, if applicable
priority	Number	Partnership priority
dealDates	Object	Deal start and end dates of partnership, if applicable
biasType	Number	Bias Type 0: NONE, 1: FLAT, 2: PERCENTAGE
bias	Number	Type FLAT: amount of cents to add to or subtract from bid. Limited to values [-500, 500] Type PERCENTAGE: percentage to add or subtract from bid. Limited to values [-100, 100] (e.g. 20 = +20%, -13 = -13%)
auctionType	Number	0 = vickrey, 1 = first price
state	Number	Enabled state of the Partnership 0: ACTIVE, 1: MANUALLY_DEACTIVATED
activeSizes	Array	Array of active sizes Defines the whitelist for adslot sizes in string format
description	String	Partnership description Maximum length: 255 characters

DealDates Object

Parameter	Data Type	Description
dealStart	Date	Start date of deal. Mandatory for new deal partnerships, default value is creation time.
dealEnd	Date	End date of deal. Optional for deal partnerships, if not set, deal run-time is unlimited.

Example Request

```
curl -X POST -H 'Content-type: application/json'
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/partnerships/24 \
      -d '{"floorPrice":25,"state":0,"activeSizes":["300x250","800x600"]}'
```

```
curl -X POST -H 'Content-type: application/json'
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/partnerships/24 \
      -d '{"dealDates":{"dealStart":"2021-08-25T00:00+0200","dealEnd":"2022-08-25T00:00+0200"}}'
```

Example Response

```
{
  "id": 24,
  "name": "YL-Plista",
  "demandId": 111,
  "demandName": "Plista",
  "billing": 0,
  "floorPrice": 25,
  "fixedPrice": 0,
  "dealId": "345",
  "dealDates": {
    "dealStart": "2021-08-24T14:52+0200"
  },
  "priority": 0,
  "type": 2,
  "biasType": 0,
  "auctionType": 0,
  "state": 0,
  "activeSizes": [
    "300x250",
    "800x600"
  ]
}
```

```
{
  "id": 24,
  "name": "YL-Plista",
  "demandId": 111,
  "demandName": "Plista",
  "billing": 0,
  "floorPrice": 25,
  "fixedPrice": 0,
  "dealId": "345",
  "dealDates": {
    "dealStart": "2021-08-25T00:00+0200",
    "dealEnd": "2022-08-25T00:00+0200"
  },
  "priority": 0,
  "type": 2,
  "biasType": 0,
  "auctionType": 0,
  "state": 0,
  "activeSizes": [
    "300x250",
    "800x600"
  ]
}
```

Error Codes

Error Code	Type	Description	HTTP Return Code
1027	INVALID_DESCRIPTION	Partnership description exceeds 255 characters	400
30001	INVALID_PARTNERSHIP_DEALID	Invalid partnership deal ID	400
40010	DUPLICATES	Violation of unique values	400
30011	INVALID_DEAL_DATE	Invalid partnership deal date	400
30012	DUPLICATE_PARTNERSHIP_DEALID	Multiple Partnerships with the same deal ID are not allowed	400
30013	INVALID_BIAS_TYPE	Bias must be an integer between 0 and 2	400
30017	AUTOCONFIGURED_DC_PARTNERSHIP_WITHOUT_VALID_DEAL_TARGETING	Can't activate partnerships without valid deal targeting if your account is automatically configured by Direct Connect	400
30020	CANT_SET_PARTNERSHIP_PRIORITY_FOR_PREFERRED_DEALS	Preferred Deals can't change their priority	400
30021	INVALID_PARTNERSHIP_TYPE_CHANGE	Can't change to this partnership type from the old one	400
30022	INVALID_PARTNERSHIP	Unknown partnership	400
30024	INVALID_AUCTION_TYPE	Invalid auction type	400
50018	PARTNERSHIP_ACTIVE_SIZES_AMOUNT_EXCEEDED	The amount of activeSizes per Partnership is limited to 1000	400
50019	PARTNERSHIP_ACTIVE_SIZES_OVERLAP_EXIST	One or more private auctions with the same dimensions are already associated with the same demand partner and adslot	400
50020	DIMENSION_NOT_ALLOWED_FOR_SUPPLY_PARTNER	activeSizes can only be set when a connected adslot with this size exists	400
50021	PARTNERSHIP_ACTIVE_SIZES_CHANGE_NOT_ALLOWED	DC Deal Targeting is enabled and therefore no change of activeSizes is allowed	400
50022	PARTNERSHIP_ACTIVE_SIZES_CONTAIN_NULL	activeSizes array contains null value/element	400

Partnership - Listing Adslots

You can list the adslots available to a particular partnership by making an HTTP GET request to the following URL:

```
https://api.yieldlab.net/supply/v1/partnerships/${partnershipId}/adslots
```

Response Parameters

Parameter	Type	Description
id	Number	Adslot ID
name	String	Adslot Name
floorPrice	Number	The adslot floor price in cents
fixedPrice	Number	The adslot fixed price in cents

Example Request

```
curl -X GET -H 'Content-type: application/json' \
      -H 'X-Auth-Token: 833c6f6e-12a7-49a8-89be-941fb8a61fe2' \
      https://api.yieldlab.net/supply/v1/partnerships/24/adslots
```

Example Response

```
{"partnershipWebsites":[{"id":352,"name":"Middleware Test #3","floorPrice":10,"fixedPrice":0},{ "id":426,"name":"Middleware Test #4","floorPrice":0,"fixedPrice":44}]}
```

Partnership - Adding Adslots

Adslots can be added into a partnership by making an HTTP POST request to the following URL, where partnership ID specifies the partnership adslots to update:

```
https://api.yieldlab.net/supply/v1/partnerships/${partnershipId}/adslots/add
```

Request Parameters

Parameter	Type	Description
ids	Array	Array of adslot IDs to be added into the partnership

Example Request

For partnership 24, add adslots 352, 462

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/partnerships/24/adslots/add \
      -d '{"ids": [352, 462]}'
```

Example Response

```
[{"id":352,"name":"Ligatus Adslots#1","floorPrice":15,"fixedPrice":0},{ "id":462,"name":"Criteo Adslots #4", "floorPrice":0,"fixedPrice":10}]
```

Error Codes

Error Code	Type	Description	HTTP Return Code
30008	MIXING_GUARANTEED_AND_NONGUARANTEED_ITEMS	Can't add programmatic guaranteed adslots to non-programmatic guaranteed partnerships	400
30016	CANT_CHANGE_PARTNERSHIP_WEBSITES_FOR_DC_WITH_ENABLE_DEAL_TARGETING_DCDEAL_ACTIVE	Cannot change a partnership's websites for DC accounts with enableDealTargetingDcdeal active	400
40010	DUPLICATES	Cannot add adslots because one of the adslots could not pass 'Duplicate check'	400
50019	PARTNERSHIP_ACTIVE_SIZES_OVERLAP_EXIST	One or more private auctions with the same dimensions are already associated with the same demand partner and adslot	400

Example Error

Duplicate - 40010

```
{
  "code": 40010,
  "errorMessage": "Duplicate check failed! There is more than one partnership with the same (internal) demand partner on a website!",
  "errors": [
    {
      "code": 40010,
      "errorMessage": "Duplicate check failed! There is more than one partnership with the same (internal) demand partner on a website!",
      "duplicates": [
        523267,
        802771
      ],
      "duplicate": 523267
    }
  ],
  "duplicates": [
    523267,
    802771
  ],
  "duplicate": 523267
}
```

Partnership - Removing Adslots

Adslots can be also removed from a partnership by making an HTTP POST request to the following URL, where partnership ID specifies the partnership adslots to update:

```
https://api.yieldlab.net/supply/v1/partnerships/${partnershipId}/adslots/remove
```

Request Parameters

Parameter	Type	Description
ids	Array	Array of adslots IDs to be removed from the partnership

Example Request

For partnership 24, remove adslot 352

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/partnerships/24/adslots/remove \
      -d '{"ids": [352]}'
```

Example Response

```
[{"id":462,"name":"Criteo Adslots #4","floorPrice":0,"fixedPrice":10}]
```

Error Codes

Error Code	Type	Description	HTTP Return Code
30016	CANT_CHANGE_PARTNERSHIP_WEBSITES_FOR_DC_WITH_ENABLE_DEAL_TARGETING_DCDEAL_ACTIVE	Can't change a partnerships' websites for DC accounts with enableDealTargetingDcdeal active.	400

Partnership - Updating Adslot Prices

A floor or fixed price can be set for an adslot partnership combination by making an HTTP POST request to the following URL:

```
https://api.yieldlab.net/supply/v1/partnerships/${partnershipId}/adslots
```

Request Parameters

Parameter	Required	Type	Description
id	X	Number	Adslot ID
floorPrice	*	Number	The adslot floor price in cents
fixedPrice	*	Number	The adslot fixed price in cents

* **only** one of floorPrice or fixedPrice should be provided

Example Request

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/partnerships/24/adslots \
      -d '[{"id":352,"floorPrice":15}, {"id":426,"fixedPrice":10}]'
```

Example Response

```
[{"id":352,"name":"Middleware Test #3","floorPrice":15,"fixedPrice":0}, {"id":462,"name":"Middleware Test #4","floorPrice":0,"fixedPrice":10}]
```

Partnership - Listing Filters

Publishers can list advertiser filters active for a particular partnership by making an HTTP GET request to the following URL:

```
https://api.yieldlab.net/supply/v1/partnerships/${partnershipId}/filters
```

Response Parameters

Parameter	Type	Description
advertiserFilter	String	One of "whitelist" or "blacklist"
advertisers	Array	Array of advertiser IDs contained in the advertiser filter
blocked	Array	Array of blocked advertiser IDs, only applicable to "allowlist", or empty array if "blocklist"
active	Array	Array of active advertiser IDs, only readable by "blocklist", or empty array if "allowlist"
available	Array	Array of available advertiser IDs, only readable by "allowlist", or empty array if "blocklist"

Example Request

```
curl -X GET -H 'Content-type: application/json' \
      -H 'X-Auth-Token: 833c6f6e-12a7-49a8-89be-941fb8a61fe2' \
      https://api.yieldlab.net/supply/v1/partnerships/24/filters
```

Example Response

```
{ "advertisers": [11791, 11803], "blocked": [11810], "active": [], "available": [13555], "advertiserFilter": "allowlist" }
```

Partnership - Updating Filters

Publishers can update certain individual partnership filter information through an HTTP POST request to the following URL, where partnership ID indicates the filter of this partnership to update:

```
https://api.yieldlab.net/supply/v1/partnerships/24/filters
```

Request Parameters

Parameter	Type	Description
advertiserFilter	String	One of "allowlist" or "blocklist"
advertisers	Array	Array of advertiser IDs contained in the advertiser filter
blocked	Array	Array of blocked advertiser IDs, only editable by "allowlist"

Example Request

```
curl -X POST -H 'Content-type: application/json' \
-H 'X-Auth-Token: 833c6f6e-12a7-49a8-89be-941fb8a61fe2' \ https://api.yieldlab.net/supply/v1
/partnerships/24/filters \
-d '{"advertiserFilter":"blocklist","advertisers":[11810,11811]}'
```

Example Response

```
{"advertisers":[11810,11811],"blocked":[],"active":[],"available":[],"advertiserFilter":"blocklist"}
```

Error Codes

Error Code	Type	Description	HTTP Return Code
70001	INVALID_ADVERTISER_FILTER	Invalid advertiser filter	400
70003	MISSING_ADVERTISER_FILTER_TYPE	Missing advertiser filter type	400

Partnership - Listing Available Advertisers

The list of available advertisers in a partnership can be obtained via an HTTP GET request to the URL:

```
https://api.yieldlab.net/supply/v1/partnerships/filters/advertisers/available
```

Response Parameters

The response includes all advertisers for which bids are available, and that can be added to a publisher's partnership allowlists.

Parameter	Type	Description
advertisers	Array	Array of advertiser objects

Advertisers Object

Parameter	Type	Description
partnershipId	Number	Partnership ID
available	Array	Array of advertiser IDs, which are available for the allowlisted partnership

Example Request

```
curl -X GET -H 'Content-type: application/json' \
      -H 'X-Auth-Token: 833c6f6e-12a7-49a8-89be-941fb8a61fe2' \
      https://api.yieldlab.net/supply/v1/partnerships/filters/advertisers/available
```

Example Response

```
{ "advertisers": [ { "partnershipId": 55820, "available": [ 16090, 59683 ] }, { "partnershipId": 13374, "available": [ 28393 ] }, { "partnershipId": 34222, "available": [ 19044 ] }, { "partnershipId": 59763, "available": [ 64079 ] }, { "partnershipId": 34038, "available": [ 50002 ] }, { "partnershipId": 13043, "available": [ 4669, 1 ] }, { "partnershipId": 56285, "available": [ 11801 ] }, { "partnershipId": 13045, "available": [ 14169, 411, 5, 7, 36471, 35838 ] } ] }
```

Partnership - Allowing Advertisers

Advertisers can be allowed in a partnership by making an HTTP POST request to the URL:

```
https://api.yieldlab.net/supply/v1/partnerships/${id}/filters/allow
```

In the case of a allowlist filter, the specified advertisers will be added to the current filter. With a blocklist filter, they will be removed. The response will include the currently active filter after the change.

Request Parameters

Parameter	Type	Description
advertisers	Array	Array of advertiser IDs to allow

Example Request

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: 833c6f6e-12a7-49a8-89be-941fb8a61fe2' \
      https://api.yieldlab.net/supply/v1/partnerships/24/filters/allow \
      -d '{"advertisers": [11810]}'
```

Example Response

```
{
}
```

Partnership - Blocking Advertisers

Advertisers can be blocked in a partnership by making an HTTP POST request to the URL:

```
https://api.yieldlab.net/supply/v1/partnerships/${id}/filters/block
```

In the case of a allowlist filter, the specified advertisers will be removed from the current filter. With a blocklist filter, they will be added. The response will include the currently active filter after the change.

Request Parameters

Parameter	Type	Description
advertisers	Array	Array of advertiser IDs to block

Example Request

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: 833c6f6e-12a7-49a8-89be-941fb8a61fe2' \
      https://api.yieldlab.net/supply/v1/partnerships/24/filters/block \
      -d '{"advertisers":[11813]}'
```

Example Response

```
{"advertisers":[11811,11813],"blocked":[],"active":[],"available":[],"advertiserFilter":"blocklist"}
```


Partnership - Inventory Referrer Restrictions

In order to prevent the placement of Yieldlab tags in disallowed websites, publishers are able to define a whitelist of their approved inventory for each partnership through these API endpoints. This is a two step process: First the publisher has to create groups of approved referers. Afterwards each group has to be activated for each partnership. If no group is activated in a partnership, all referers are allowed. If a partnership allows groups that are not active on the supply partner level, it does not whitelist anything on the partnership level despite showing up in the active list.

Partnership - Listing Active Referrer Groups

Publishers can list the currently active referer groups for a specific partnership by calling the following HTTP GET request:

```
https://api.yieldlab.net/supply/v1/partnerships/{$partnershipId}/referergroups
```

Response Parameters

Parameter	Type	Description
id	Integer	Id of group
name	String	Name of group

Example Request

```
curl -X GET -H 'Content-type: application/json' \
-H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
https://api.yieldlab.net/supply/v1/partnerships/123/referergroups
```

Example Response

```
[{"id": 1, "name": "entertainment", "referers":["ref1", "ref2"]}]
```

Partnership - Activating a Referrer Group

Name and referers can be updated independently of each other. Publishers can activate referer groups for a partnership by calling the following HTTP POST request:

```
https://api.yieldlab.net/supply/v1/partnerships/{partnershipId}/referergroups/add
```

Request Parameters

Parameter	Type	Description
--	Array of Longs	Array of referer group IDs to activate

Example Request

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/partnerships/{partnershipId}/referergroups/add
      -d '[1,2]'
```

Example Response

```
[{"id":1,"name":"group1","referers":["ref1","ref2"]}, {"id":2,"name":"group2","referers":["ref3","ref4"]}]
```

Partnership - Deactivating a Referrer Group

Publishers can deactivate referer groups for a partnership by calling the following HTTP POST request:

```
http://api.yieldlab.net/supply/v1/partnerships/{$partnershipId}/referergroups/remove
```

Request Parameters

Parameter	Type	Description
--	Array of Longs	Array of referer group IDs to deactivate

Example Request

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/partnerships/{$partnershipId}/referergroups/remove
      -d '[1,2]'
```

Example Response

```
[{"id":3,"name":"group3","referers":["ref5","ref6"]}]
```

Partnership - Bid Options

In order to configure what information a demand partner is allowed to see for a specific partnership you can define different bid options.

Partnership - List Current Bid Options

Publishers can list the current bid options of a specific partnership by calling the following HTTP GET request:

```
https://api.yieldlab.net/supply/v1/partnerships/{$partnershipId}/bidoptions
```

Response Parameters

Parameter	Type	Description
adslotPositionAllowed	Boolean	Should the adslot position be visible to the demand partner
countryInfoAllowed	Boolean	Should country information be visible to the demand partner
langInfoAllowed	Boolean	Should language information be visible to the demand partner
ipAddressInfoAllowed	Boolean	Should the ip address be visible to the demand partner
geoLocationAllowed	Boolean	Should the geo location be visible to the demand partner
userAgentInfoAllowed	Boolean	Should the user agent be visible to the demand partner
categoryInfoAllowed	Boolean	Should the category be visible to the demand partner
referrerType	String	Defines if and how the referer is passed to the demand partner: TRANSPARENT: The demand partner can see the real referer SEMI_TRANSPARENT: The demand partner will see a predefined overridden referer BLIND: The demand partner will not see any referer
overrideReferer	String	Override referer when refererType is SEMI_TRANSPARENT. Only shown when refererType is not SEMI_TRANSPARENT
targetingInfoAllowed	Boolean	Should the targeting parameter be visible to the demand partner

Example Request

```
curl -X GET -H 'Content-type: application/json' \
-H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
https://api.yieldlab.net/supply/v1/partnerships/123/bidoptions
```

Example Response

```
{"adslotPositionAllowed": true, "countryInfoAllowed": true, "langInfoAllowed": true, "ipAddressInfoAllowed": true, "geoLocationAllowed": false, "userAgentInfoAllowed": true, "categoryInfoAllowed": true, "referrerType": "SEMI_TRANSPARENT", "overrideReferer": "https://www.yieldlab.de", "targetingInfoAllowed": false}
```

Partnership - Update Bid Options

Publishers can update bid options for a specific partnership by calling the following HTTP POST request:

```
https://api.yieldlab.net/supply/v1/partnerships/{$partnershipId}/bidoptions
```

Request Parameters

Parameter	Type	Description
adslotPositionAllowed	Boolean	Should the adslot position be visible to the demand partner
countryInfoAllowed	Boolean	Should country information be visible to the demand partner
langInfoAllowed	Boolean	Should language information be visible to the demand partner
ipAddressInfoAllowed	Boolean	Should the ip address be visible to the demand partner
geoLocationAllowed	Boolean	Should the geo location be visible to the demand partner
userAgentInfoAllowed	Boolean	Should the user agent be visible to the demand partner
categoryInfoAllowed	Boolean	Should the category be visible to the demand partner
referrerType	String	Defines if and how the referer is passed to the demand partner: TRANSPARENT: The demand partner can see the real referer SEMI_TRANSPARENT: The demand partner will see a predefined overridden referer BLIND: The demand partner will not see any referer
overrideReferer	String	Override referer when refererType is SEMI_TRANSPARENT. Only shown when refererType is not SEMI_TRANSPARENT
targetingInfoAllowed	Boolean	Should the targeting parameter be visible to the demand partner

Example Request

```
curl -X POST -H 'Content-type: application/json' \
-H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
https://api.yieldlab.net/supply/v1/partnerships/123/bidoptions \
-d '{"adslotPositionAllowed": true, "countryInfoAllowed": true, "langInfoAllowed": true,
"ipAddressInfoAllowed": true, "geoLocationAllowed": false, "userAgentInfoAllowed": true, "categoryInfoAllowed":
true, "referrerType": "SEMI_TRANSPARENT", "overrideReferer": "https://www.yieldlab.de", "targetingInfoAllowed":
false}'
```

Example Response

```
{"adslotPositionAllowed": true, "countryInfoAllowed": true, "langInfoAllowed": true, "ipAddressInfoAllowed":
true, "geoLocationAllowed": false, "userAgentInfoAllowed": true, "categoryInfoAllowed": true, "referrerType":
"SEMI_TRANSPARENT", "overrideReferer": "https://www.yieldlab.de", "targetingInfoAllowed": false}
```

Partnership - Key-Value Targeting

Partnership - List Targeting Configuration

Publishers can list the current targeting configuration of a specific partnership by calling the following HTTP GET request:

```
https://api.yieldlab.net/supply/v1/partnerships/{$partnershipId}/targeting
```

Response Parameters

Parameter	Type	Description
matchAll	Boolean	Determines if all keys have to match or only one
keyValues	Map<String,String>	Map of keys and values. Values have to be comma separated

Example Request

```
curl -X GET -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/partnerships/123/targeting
```

Example Response

```
{"matchAll": true, "keyValues": {"key1": "value1,value2,value3"}}
```

Partnership - Update Targeting Configuration

Publishers can update the targeting configuration for a specific partnership by calling the following HTTP POST request:

```
https://api.yieldlab.net/supply/v1/partnerships/{$partnershipId}/targeting
```

Request Parameters

Parameter	Type	Description
matchAll	Boolean	Determines if all keys have to match or only one
keyValues	Map<String,String>	Map of keys and values. Values have to be comma separated

Example Request

```
curl -X POST -H 'Content-type: application/json' \
  -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
  https://api.yieldlab.net/supply/v1/partnerships/123/targeting \
  -d '{"matchAll": true, "keyValues": {"key1": "value1,value2,value3"}}'
```

Partnership - Custom Yieldprobe Parameters

Configuration of custom parameters in the yieldprobe output

Partnership - List Custom Yieldprobe Parameters

Publishers can list the current custom yieldprobe parameters configuration of a specific partnership by calling the following HTTP GET request:

```
https://api.yieldlab.net/supply/v1/partnerships/{$partnershipId}/options/yp
```

Response Parameters

Map with String as keys and String as values. Empty map if nothing is set.

Example Request

```
curl -X GET -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/partnerships/123/options/yp
```

Example Response

```
{"gender": "m", "demand": "test"}
```

Partnership - Updating Custom Yieldprobe Parameters

Publishers can update the custom yieldprobe parameters configuration for a specific partnership by calling the following HTTP POST request:

```
https://api.yieldlab.net/supply/v1/partnerships/{$partnershipId}/options/yp
```

Request Parameters

Map of desired parameters with String keys and String values. Empty map to unset existing configuration.

Example Request

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/partnerships/123/options/yp \
      -d '{"demo": "true", "partner": "yieldlab"}'
```

Guaranteed Partnership - Show AdTags

Retrieves the AdTags associated with guaranteed partnerships with the HTTP GET request.

```
https://api.yieldlab.net/supply/v1/partnerships/${partnershipIds}/tags
```

Request Parameters

Parameter	Type	Description
partnershipIds	Numbers	(Optional) Comma-separated Yieldlab Guaranteed Partnership IDs (e.g. 1,2,3). If absent, adTags for all the guaranteed partnerships requested.
secure	Boolean	(default = false = http) Allowing to choose between http and https adtags

Response Parameters

An object with the key "tags", which holds a map keyed by dimensions, adtag as values.

Type	Description
Map<Long, String>	ad tag for requested partnershipId (where partnershipId is a key) or all guaranteed partnerships

Example Request

```
curl -X GET -H 'Content-type: application/json' -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' "https://api.yieldlab.net/supply/v1/partnerships/123/tags"
curl -X GET -H 'Content-type: application/json' -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' "https://api.yieldlab.net/supply/v1/partnerships/123/tags?secure=true"

curl -X GET -H 'Content-type: application/json' -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' "https://api.yieldlab.net/supply/v1/partnerships/tags"
curl -X GET -H 'Content-type: application/json' -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' "https://api.yieldlab.net/supply/v1/partnerships/tags?secure=true"
```

Example Response

```
/* Request for particular guaranteed partnership */
{
  '426052': [
    {
      key: '1x2',
      adTag: '<script type="text/javascript" language="JavaScript" src="http://ad-test1:8080/d/426052/7859/?t=pid%3D426046&ts=[zeitstempel]"></script>'
    }
  ]
}

/* Request for particular guaranteed partnership with secure = true*/
{
  '426052': [
    {
      key: '1x2',
      adTag: '<script type="text/javascript" language="JavaScript" src="https://ad-test1:8080/d/426052/7859/?t=pid%3D426046&ts=[zeitstempel]"></script>'
    }
  ]
}
```


Partnership - Key-Value Targeting v2

Key-Value targeting allows for complex targeting conditions via a JSON structure. The structure consists of a nested Expression object (see below).

Expression

Key	Type	Description
mode	Integer	defines the operation mode of the expression. Possible values: and (&&): 0 (default), or (): 1, nand: 2, nor: 3
evaluator	Integer	defines the comparison operator. Possible values: equals: 1 (default), less than: 2, greater than: 3, string contains: 4 Required if key and values for the expression are set.
key	String	name of the targeting key
values	String[]	possible values
expressions	List<Expression>	List of child expressions

Limitations

Any expression tree always has to be in the following format:

```
{
  "mode": 1,
  // up to 5
  "expressions": [{
    "mode": 0,
    // up to 5
    "expressions": [
      {
        "mode": 1,
        "evaluator": 1,
        "key": "age",
        "values": ["18"]
      }
    ]
  }
]
```

The following rules apply:

- Top level
 - has to be mode = OR
 - must not have any values
 - has a maximum of 5 children
- Second level
 - has to be mode = AND
 - must not have any values
 - has a maximum of 5 children
- Third level
 - has to be mode = OR
 - has to have a key
 - has to have values
 - must not have any children

Examples

Checking a simple key-value combination

Logical Expression: (age == "18")

JSON:


```

{
  "mode": 1,
  "expressions": [{
    "mode": 0,
    "expressions": [
      {
        "mode": 1,
        "evaluator": 1,
        "key": "age",
        "values": ["18"]
      }
    ]
  }]
}

```

Note: This matches if the targeting parameter contains "age=18". If the key has additional values (i.e. "age=16,17,18,19") it would still be a match.

All key-values have to match

Logical Expression: (age == "18" && gender == "f")

JSON:

```

{
  "mode": 1,
  "expressions": [{
    "mode": 0,
    "expressions": [
      {
        "mode": 1,
        "evaluator": 1,
        "key": "age",
        "values": ["18"]
      },
      {
        "mode": 1,
        "evaluator": 1,
        "key": "gender",
        "values": ["f"]
      }
    ]
  }]
}

```

Note: This matches if the targeting parameter contains "age=18" and "gender=f". If the key has additional values it would still be a match.

One key-value has to match

Logical Expression: (age == 18 || gender == "f")

JSON:

```
{
  "mode": 1,
  "expressions": [{
    "mode": 0,
    "expressions": [{
      "mode": 1,
      "evaluator": 1,
      "key": "age",
      "values": ["18"]
    }]
  }],
  {
    "mode": 0,
    "expressions": [{
      "mode": 1,
      "evaluator": 1,
      "key": "gender",
      "values": ["f"]
    }]
  }
}]
}
```

Note: This matches if the targeting parameter contains "age=18" or "gender=f". If one of the matched keys has additional values it would still be a match.

Some key-values have to match

Logical Expression: (age < 31 && age > 24 && gender == "f") || (age < 25 && age > 17 && gender == "m")

JSON:

```
{
  "mode": 1,
  "expressions": [
    {
      "mode": 0,
      "expressions": [
        {
          "mode": 1,
          "evaluator": 2,
          "key": "age",
          "values": ["31"]
        },
        {
          "mode": 1,
          "evaluator": 3,
          "key": "age",
          "values": ["24"]
        },
        {
          "mode": 1,
          "evaluator": 1,
          "key": "gender",
          "values": ["f"]
        }
      ]
    },
    {
      "mode": 0,
      "expressions": [
        {
          "mode": 1,
          "evaluator": 2,
          "key": "age",
          "values": ["25"]
        },
        {
          "mode": 1,
          "evaluator": 3,
          "key": "age",
          "values": ["17"]
        },
        {
          "mode": 1,
          "evaluator": 1,
          "key": "gender",
          "values": ["m"]
        }
      ]
    }
  ]
}
```

Partnership - List Targeting Configuration v2

Publishers can list the current targeting configuration of a specific partnership by calling the following HTTP GET request:

```
https://api.yieldlab.net/supply/v2/partnerships/${partnershipId}/targeting
```

Response Parameters

See Expressions at [Partnership - Key-Value Targeting v2](#)

Example Request

```
curl -X GET -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v2/partnerships/123/targeting
```

Example Response

```
{"mode":0,"evaluator":0,"key":"age","values":["18"]}
```

Partnership - Update Targeting Configuration v2

Publishers can update the targeting configuration for a specific partnership by calling the following HTTP POST request:

```
https://api.yieldlab.net/supply/v2/partnerships/{$partnershipId}/targeting
```

Request Parameters

See Expressions described at [Partnership - Key-Value Targeting v2](#)

Example Request

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v2/partnerships/123/targeting \
      -d '{"mode":0,"evaluator":0,"key":"age","values":["18"]}'
```

Example Response

```
204 No Content
```

Error Codes

Error Code	Type	Description	HTTP Return Code
30010	INVALID_TARGETING_FORMAT	Invalid targeting format	400
30017	AUTOCONFIGURED_DC_PARTNERSHIP_WITHOUT_VALID_DEAL_TARGETING	Invalid deal targeting if your account is automatically configured by Direct Connect	400

Partnership - Key-Value Targeting v3

Geo targeting can be defined at the partnership level to restrict incoming traffic to specific countries.

Partnerships: Listing Geo Targetings

Publishers can list the current targeting configuration of a specific partnership by calling the following HTTP GET request::

```
https://api.yieldlab.net/supply/v3/partnerships/{partnershipId}/targeting
```

Response Parameters

The response contains targeting and geo targeting details for the provided partnership.

Parameter	Type	Description
expressionDetails	Object	More details on expression structure and rules: Partnership - Key-Value Targeting v2
geoTargetingEnabled	boolean	Flag which turns on / off geo targeting
geoTargetingCountryCodes	Array	An array of strings with the following possible country codes "DE", "AT", "CH".

Example Request

```
curl -X GET -H 'Content-type: application/json' \
      -H 'X-Auth-Token: 833c6f6e-12a7-49a8-89be-941fb8a61fe2' \
      https://api.yieldlab.net/supply/v3/partnerships/8738240/targeting
```

Example Response

```

{
  "geoTargetingEnabled": true,
  "geoTargetingCountryCodes": [
    "AT",
    "CH"
  ],
  "expressionDetails": {
    "mode": 1,
    "evaluator": 1,
    "expressions": [
      {
        "mode": 0,
        "evaluator": 1,
        "expressions": [
          {
            "mode": 1,
            "evaluator": 1,
            "key": "emqsegs",
            "expressions": [],
            "values": [
              "e3"
            ]
          },
          {
            "mode": 1,
            "evaluator": 1,
            "key": "emqsegs",
            "expressions": [],
            "values": [
              "e3i",
              "e35"
            ]
          },
          {
            "mode": 1,
            "evaluator": 1,
            "key": "emqsegs",
            "expressions": [],
            "values": [
              "e4x",
              "e50",
              "e4w",
              "edbff"
            ]
          }
        ]
      }
    ]
  }
}

```

If a partnership doesn't exist for the stated partnership ID, an error response is returned.

Partnerships: Update Geo Targetings

Geo targeting can be defined at the partnership level to restrict incoming traffic to specific countries.

To update a specific partnership's geo-targeting data, send an HTTP PUT request to the following URL:

```
https://api.yieldlab.net/supply/v3/partnerships/{partnershipId}/targeting
```

Request Parameters

Parameter	Type	Description
geoTargetingEnabled	Boolean	Flag which turns on / off geo targeting
geoTargetingCountryCodes	Array	An array of strings with the following possible country codes "DE", "AT", "CH".
expressionDetails	Object	More details on expression structure and rules: Partnership - Key-Value Targeting v2

Example Request

```
curl --location --request PUT 'localhost:8080/supply/v3/partnerships/16114803/targeting' \
--header 'X-Auth-Token: a68ca88b-8bc0-42c6-915a-4fc9a1ec9b67' \
--header 'Content-Type: application/json' \
--data '{
  "geoTargetingEnabled": "true",
  "geoTargetingCountryCodes": ["AT"],
  "expressionDetails": {
    "mode": 1,
    "evaluator": 1,
    "expressions": [
      {
        "mode": 0,
        "evaluator": 1,
        "expressions": [
          {
            "mode": 1,
            "evaluator": 1,
            "key": "dcdeal",
            "expressions": [],
            "values": [
              "11"
            ]
          }
        ]
      }
    ]
  }
}'
```

Example Response

```
204 No Content
```

Partnership - DirectConnect Options

DirectConnect networks can set some special options for partnerships.

Partnership - List Current DirectConnect Options

Publishers can list the current DirectConnect options of a specific partnership by calling the following HTTP GET request:

```
https://api.yieldlab.net/supply/v1/partnerships/{$partnershipId}/directconnect
```

Response Parameters

Parameter	Type	Description
margin	Number	Margin as a percentage

Example Request

```
curl -X GET -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/partnerships/123/directconnect
```

Example Response

```
{"margin": 33}
```

Partnership - Update DirectConnect Options

Publishers can update DirectConnect options for a specific partnership by calling the following HTTP PUT request:

```
https://api.yieldlab.net/supply/v1/partnerships/{$partnershipId}/directconnect
```

Request Parameters

Parameter	Type	Description
margin	Number	Margin as a percentage [-100, 100]

Example Request

```
curl -X PUT -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/partnerships/123/directconnect \
      -d '{"margin": 33}'
```

Example Response

HTTP 204 No Content

Error Codes

Error Code	Type	Description	HTTP Return Code
30015	INVALID_MARGIN_VALUE	Margin must be an integer between [-100, 100]	400

Partnership - Flags (automatic deactivation)

Partnerships can be excluded from the automatic deactivation via HTTP PUT request to the URL:

```
https://api.yieldlab.net/supply/v1/partnerships/${id}/flags
```

Request Parameters

Parameter	Type	Description
neverAutoDisable	boolean	Excludes partnership from being automatically disabled. Partnerships that don't generate impressions for a certain amount of time get disabled. Note: This does not work for deals.

Example Request

```
curl -k -X PUT -H 'Content-type: application/json' \
-H 'X-Auth-Token: 833c6f6e-12a7-49a8-89be-941fb8a61fe2' \
https://api.yieldlab.net/supply/v1/partnerships/${id}/flags \
-d '{"neverAutoDisable": true}'
```

There is also a GET endpoint to get the current state of the flags for each partnership.

```
https://api.yieldlab.net/supply/v1/partnerships/${ids}/flags
```

Response Parameters

Parameter	Type	Description
partnershipId	Number	Partnership ID
neverAutoDisable	Boolean	If a Partnership is set to get never disabled automatically

Partnership - Listing Blocked Advertisers

The list of blocked advertisers by blocklist (on partnership level, adslot level, supply partner level) for a partnership can be obtained via an HTTP GET request to the URL:

```
https://api.yieldlab.net/supply/v1/partnerships/${id}/blocked-advertisers
```

In the case of a partnership with allowlist, an empty list will be returned

Request Parameters

In	Parameter	Type	Description
Path	id	Number	id of a partnership

Response Parameters

The response includes all advertisers, which are blocked by blocklist and are bidding last 24 hours.

Parameter	Type	Description
items	Array	Array of advertiser object

Advertiser Object

Parameter	Type	Description
id	Number	id of the advertiser domain
name	String	name of the advertiser domain
blockedBySupply	Array	ids of the supply accounts this advertiser is blocked on
blockedByPartnership	Array	ids of the Partnerships this advertiser is blocked on
blockedByAdslot	Array	ids of the Adslots this advertiser is blocked on

Example Request

```
curl -X GET -H 'Content-type: application/json' \
-H 'X-Auth-Token: 833c6f6e-12a7-49a8-89be-941fb8a61fe2' \
https://api.yieldlab.net/supply/v1/partnerships/24/blocked-advertisers
```

Example Response

```
{
  "items": [
    {
      "id": 250203,
      "name": "palmers.at",
      "blockedBySupply": [],
      "blockedByPartnership": [],
      "blockedByAdslot": [1, 2, 3]
    },
    {
      "id": 142879,
      "name": "yamamay.com"
      "blockedBySupply": [1],
      "blockedByPartnership": [],
      "blockedByAdslot": [1, 2, 3]
    },
    {
      "id": 335555,
      "name": "akkushop.de"
      "blockedBySupply": [],
      "blockedByPartnership": [1],
      "blockedByAdslot": []
    }
  ]
}
```

Partnership - Listing Advertiser Prices

You can list the active advertiser prices to a particular partnership by making an HTTP GET request to the following URL:

```
https://api.yieldlab.net/supply/v1/partnerships/${partnershipId}/advertiser
```

Response Parameters

Parameter	Type	Description
items	Array	Array of partnershipAdvertiserPrice object

PartnershipAdvertiserPrice Object

Parameter	Type	Description
advertiserDomainId	Number	Advertiser ID
name	String	Advertiser Name
floorPrice	Number	The advertiser floor price in cents
fixedPrice	Number	The advertiser fixed price in cents

Example Request

```
curl -X GET -H 'Content-type: application/json' \
-H 'X-Auth-Token: 833c6f6e-12a7-49a8-89be-941fb8a61fe2' \
https://api.yieldlab.net/supply/v1/partnerships/24/advertiser
```

Example Response

```
{ "items": [ { "advertiserDomainId": 6591524, "name": "adv.com", "floorPrice": 10, "fixedPrice": 0 }, { "advertiserDomainId": 6591523, "name": "advee.com", "floorPrice": 0, "fixedPrice": 44 } ] }
```


Partnership - Updating Advertiser Prices

You can update the active advertiser prices to a particular partnership by making an HTTP PUT request to the following URL:

```
https://api.yieldlab.net/supply/v1/partnerships/${partnershipId}/advertiser
```

Request Parameters

Parameter	Type	Description
items	Array	Array of partnershipAdvertiserPrice object

PartnershipAdvertiserPrice Object

Parameter	Required	Type	Description
advertiserDomainId	X	Number	Advertiser ID
floorPrice	*	Number	The advertiser floor price in cents
fixedPrice	*	Number	The advertiser fixed price in cents

* **only** one of floorPrice or fixedPrice should be provided

Example Request

```
curl -X PUT -H 'Content-type: application/json' \
      -H 'X-Auth-Token: 833c6f6e-12a7-49a8-89be-941fb8a61fe2' \
      https://api.yieldlab.net/supply/v1/partnerships/24/advertiser \
      -d '{"items": [{"advertiserDomainId":6591524,"floorPrice":15}, {"advertiserDomainId":6591523,"fixedPrice":10}]}'
```

Example Response

```
{"items":[{"advertiserDomainId":6591524,"name":"adv.com","floorPrice":15,"fixedPrice":0}, {"advertiserDomainId":6591523,"name":"advee.com","floorPrice":0,"fixedPrice":10}]}
```

Partnership - Listing blocked advertiser categories by partnership

User can get the list of blocked advertiser categories for partnership:

```
https://api.yieldlab.net/supply/v1/partnerships/{id}/filters/categories
```

Response Parameters

Type	Description
List<Long>	List of category IDs is returned

Example Request

```
curl -X GET -H 'Content-type: application/json' \
-H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
https://api.yieldlab.net/supply/v1/partnerships/{id}/filters/categories
```

Example Response

```
[1,2,5,28]
```

Partnership - Updating blocked advertiser categories by partnership

User in Middleware can save blocked advertiser categories by partnership, so categories can be filtered. It can be done through an HTTP PUT request to the following URL, where ID indicates partnership filter to be updated:

```
https://api.yieldlab.net/supply/v1/partnerships/{id}/filters/categories
```

Request Parameters

Parameter	Type	Description
advertiserCategories	List<Long>	List of advertiser categories to be updated for partnership.

Example Request

```
curl      -X PUT -H 'Content-type: application/json' \  
          -H 'X-Auth-Token: 833c6f6e-12a7-49a8-89be-941fb8a61fe2' \  
          \ https://api.yieldlab.net/supply/v1 \  
          /partnerships/{id}/filters/categories \  
          -d '{"advertiserCategories": [2,5]}'
```

Example Response

```
{  
  "advertiserCategories": [2,5]  
}
```

Error Codes

Error Code	Type	Description	HTTP Return Code
4	INVALID_REQUEST	Invalid category ID provided	400

Native Templates

Creating a Native Template

Native templates can be created by making a HTTP POST request to the following URL:

```
https://api.yieldlab.net/supply/v1/native-templates
```

Request Parameters

Parameter	Type	Description
name	String	Native template name.
assets	Array	A list of native asset. Native asset is following the IAB Standard, currently only img of type icon is supported. For more details, check https://www.iab.com/wp-content/uploads/2018/03/OpenRTB-Native-Ads-Specification-Final-1.2.pdf , section 4.2 Asset Request Object

Response Parameters

Parameter	Type	Description
id	Number	Native template ID.
name	String	Native template Name.
assets	Array	A list of native asset.

Example Request

```
curl -X POST -H "Content-type: application/json" \  
-H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \  
-d '{"name":"demo native template","assets":[{"id":4,"img":{"h":100,"w":200,"type":1}}]' \  
https://api.yieldlab.net/supply/v1/native-templates
```

Example Response

```
{  
  "id": 1,  
  "name": "demo native template",  
  "assets": [  
    {  
      "id": 4,  
      "img": {  
        "type": 1,  
        "w": 200,  
        "h": 100  
      }  
    }  
  ]  
}
```

Deleting a Native Template

Native templates which are not linked to any adslots can be deleted by making a HTTP DELETE request to the following URL:

```
https://api.yieldlab.net/supply/v1/native-templates/${id}
```

Example Request

```
curl -X DELETE -H "Content-type: application/json" \  
  -H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \  
  https://api.yieldlab.net/supply/v1/native-templates/123
```

Listing all Native Templates

Native templates can be listed by making a HTTP GET request to the following URL:

```
https://api.yieldlab.net/supply/v1/native-templates
```

Response Parameters

Main Response Object

Parameter	Type	Description
items	Array	List of native templates

Native Template Object

Parameter	Type	Description
id	Number	Native template ID
name	String	Native template name
assets	Array	A list of native assets

Example Request

```
curl -X GET -H "Content-type: application/json" \
-H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \
https://api.yieldlab.net/supply/v1/native-templates
```

Example Response

```
{
  "items": [
    {
      "id": 1,
      "name": "The first Native Template in production",
      "assets": []
    },
    {
      "id": 2,
      "name": "foo",
      "assets": [
        {
          "id": 4,
          "img": {
            "hmin": 1,
            "type": 1,
            "wmin": 1
          },
          "required": 1
        }
      ]
    }
  ]
}
```

Listing a Native Template

A single native template can be retrieved by making a HTTP GET request to the following URL:

```
https://api.yieldlab.net/supply/v1/native-templates/${id}
```

Response Parameters

Parameter	Type	Description
id	Number	Native template ID
name	String	Native template name
assets	Array	A list of native assets

Example Request

```
curl -X GET -H "Content-type: application/json" \
-H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \
https://api.yieldlab.net/supply/v1/native-templates/1
```

Example Response

```
{
  "id": 1,
  "name": "demo native template",
  "assets": [
    {
      "id": 4,
      "img": {
        "type": 1,
        "w": 200,
        "h": 100
      }
    }
  ]
}
```


Updating a Native Template

Native templates can be updated by making a HTTP PUT request to the following URL:

```
https://api.yieldlab.net/supply/v1/native-templates/${id}
```

Request Parameters

Parameter	Type	Description
name	String	Native template name.
assets	Array	A list of native asset. Native asset is following the IAB Standard, currently only img of type icon is supported. For more details, check https://www.iab.com/wp-content/uploads/2018/03/OpenRTB-Native-Ads-Specification-Final-1.2.pdf , section 4.2 Asset Request Object

Response Parameters

Parameter	Type	Description
id	Number	Native template ID
name	String	Native template name
assets	Array	A list of native assets

Example Request

```
curl -X PUT -H "Content-type: application/json" \
-H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \
-d '{"name":"demo native template","assets":[{"id":4,"img":{"h":100,"w":200,"type":1}}]' \
https://api.yieldlab.net/supply/v1/native-templates/123
```

Example Response

```
{
  "id": 123,
  "name": "demo native template",
  "assets": [
    {
      "id": 4,
      "img": {
        "type": 1,
        "w": 200,
        "h": 100
      }
    }
  ]
}
```

Reporting

Report Templates

This API provides access to report templates which supply partners can use to create report templates. These can then be used for either pre-defined templates within YRD or the periodic delivery of reports via email.

The following pages outline the different API endpoints to

- Create report templates
- List report templates
- Update report templates
- Delete report templates

Please note the following when using report templates:

- Once a report has been created with a given name, you can not create a new report with the same name unless you delete the old one (updating the existing one will work though)
- The default time zone for the ISO 8601 format that is used by the reports is +0000! In order to accurately depict full days in local time that align with reports you might have received from Yieldlab directly, you will need to change the time zones when requesting a report to be using +0100 (CET) or +0200 (CEST).
- When using notification settings for periodic email delivery, the period is restricted to the following values: `yesterday`, `last_week`, `last_month`, `last_thirty_days`

Creating a Report Template

Report templates can be created by making a HTTP POST request to the following URL:

```
https://api.yieldlab.net/supply/v1/report-templates
```

Request Parameters

Main Request Object

Parameter	Type	Description
name	String	Report template name Please note: leading and trailing whitespaces will be removed automatically.
type	String	Type of the report Supported values: analytics, revenue
period	Object	Time period of the report
separateBy	String	hour, day, week, month or total Please note: "hour" can only be used when the time period of the report is one day or less!
dimensions	Array	Dimensions that will be included in the report
keyFigures	Array	Key figures that will be included in the report
exportSettings	Object	Settings for offline reports
notificationSettings	Object	Settings to configure the report for periodic email delivery

Period Object

Parameter	Type	Description
type	String	Type of the period, supported values: custom, today, yesterday, current_week, last_week, current_month, last_month, last_thirty_days. If the type is custom, start and end have to be set (see below)! Please note: When using the optional notification settings, the supported values are restricted to: yesterday, last_week, last_month, last_thirty_days

start	String	<p>Must be defined if and only if <code>type</code> is <code>custom</code> and must be before <code>end</code></p> <p>The following ISO 8601 formats are supported:</p> <p>2024-06-01T01:00 - local dates with no timezone information - assumes Europe/Berlin as default timezone 2024-05-01T01:00Z - zulu time specified (UTC) 2024-01-01T00:00+08:00 - standard ISO-8601 format with static offsets - static offsets can be short form +08, +0800, +08:00 2024-01-01T01:00[Europe/Berlin] - with zoneld in brackets</p> <p>The underlying formatting pattern: <code>yyyy-MM-dd'T'HH:mm[XXX]['['VV']']</code></p> <p>If different timezones are provided for the <code>start</code> and <code>end</code>, the <code>start</code> timezone will be used for both.</p> <p>Example: To request a report starting 1 February 2020 and ending 30 June 2020, you will need the following settings:</p> <pre>{ "start": "2022-02-01T00:00+0100", "end": "2022-06-30T23:59+0200" }</pre> <p>Note on static offsets +01 or +02</p> <p>When providing static offsets: When providing +01 or +02 static offsets they are treated as Zoneld Europe/Berlin. For example: a request for +01 (CET) in December will be treated as +02 (CEST). Requests across daylight saving time boundaries will result in both CET and CEST groupings in the report. This is the existing behaviour and done for backwards compatibility. This is only the case for +01 and +02 static offsets. All other offsets will not include daylight savings naturally. For example: a request to +04 will always only be in +04, the same for +05. While Zonelds can handle daylight savings like America/New_York would contain both +04 and +05.</p> <p>Note on limitation for analytics requests</p> <p>Requests of type <code>analytics</code> <i>not</i> using Europe/Berlin or static offsets +01 or +02 are soft limited to 2 weeks. Timezone Europe/Berlin requests do not have this limitation and can be queried as usual.</p>
end	String	<p>End of the period formatted as ISO 8601 (<code>yyyy-MM-dd'T'HH:mm[XXX]['['VV']']</code>), must be defined if and only if <code>type</code> is <code>custom</code> and must be after <code>start</code></p> <p>Please refer to the description of the "start" parameter above for more details.</p>

Dimension Object

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

name	String	Name of the dimension. Valid values by report type:																								
		<table border="1"> <thead> <tr> <th>Analytics report</th> <th>Revenue report</th> </tr> </thead> <tbody> <tr> <td>adslot</td> <td>adslot_id</td> </tr> <tr> <td>adslot_id</td> <td>advertiser</td> </tr> <tr> <td>deal_id</td> <td>advertiser_id</td> </tr> <tr> <td>demand_partner</td> <td>demand_partner_id</td> </tr> <tr> <td>demand_partner_id*</td> <td>external_id</td> </tr> <tr> <td>format</td> <td>format</td> </tr> <tr> <td>parent_supply_partner</td> <td>group</td> </tr> <tr> <td>parent_deal_id</td> <td>invoice</td> </tr> <tr> <td>partnership</td> <td>parent_supply_partner</td> </tr> <tr> <td>partnership_id</td> <td>parent_deal_id</td> </tr> <tr> <td>technology_id</td> <td>partnership_id</td> </tr> <tr> <td></td> <td>site</td> </tr> </tbody> </table> <p>A specific dimension can be defined only once per report template</p> <p>*demand_partner_id can only be used for filtering (see below) and requires that demand_partner is a selected dimension too!</p>	Analytics report	Revenue report	adslot	adslot_id	adslot_id	advertiser	deal_id	advertiser_id	demand_partner	demand_partner_id	demand_partner_id*	external_id	format	format	parent_supply_partner	group	parent_deal_id	invoice	partnership	parent_supply_partner	partnership_id	parent_deal_id	technology_id	partnership_id
Analytics report	Revenue report																									
adslot	adslot_id																									
adslot_id	advertiser																									
deal_id	advertiser_id																									
demand_partner	demand_partner_id																									
demand_partner_id*	external_id																									
format	format																									
parent_supply_partner	group																									
parent_deal_id	invoice																									
partnership	parent_supply_partner																									
partnership_id	parent_deal_id																									
technology_id	partnership_id																									
	site																									
filter	Object	Filter rules for dimension values																								

Filter Object

Parameter	Type	Description										
ids	Array	<p>An array of (integer) IDs of objects that should be included in the report. Must not be defined if values is defined (see below)!</p> <p>Valid dimension names for filtering by IDs by report type:</p> <table border="1"> <thead> <tr> <th>Analytics report</th> <th>Revenue report</th> </tr> </thead> <tbody> <tr> <td>adslot_id</td> <td>adslot_id</td> </tr> <tr> <td>demand_partner_id*</td> <td>advertiser_id</td> </tr> <tr> <td>partnership_id</td> <td>demand_partner_id</td> </tr> <tr> <td></td> <td>partnership_id</td> </tr> </tbody> </table> <p>*demand_partner_id can only be used for filtering and requires that demand_partner is a selected dimension too!</p>	Analytics report	Revenue report	adslot_id	adslot_id	demand_partner_id*	advertiser_id	partnership_id	demand_partner_id		partnership_id
Analytics report	Revenue report											
adslot_id	adslot_id											
demand_partner_id*	advertiser_id											
partnership_id	demand_partner_id											
	partnership_id											
value	String	<p>Supported for Analytics report only. String value that should be included in the report. Must not be defined if ids is defined (see above)!</p> <p>Valid dimension names for filtering by values :</p> <table border="1"> <thead> <tr> <th>Analytics report</th> </tr> </thead> <tbody> <tr> <td>adslot</td> </tr> <tr> <td>demand_partner</td> </tr> <tr> <td>deal_id</td> </tr> <tr> <td>partnership</td> </tr> </tbody> </table>	Analytics report	adslot	demand_partner	deal_id	partnership					
Analytics report												
adslot												
demand_partner												
deal_id												
partnership												

Key Figure Object

Parameter	Type	Description		
name	String	Name of the key figure Supported for Revenue report only. Valid values: <table border="1" data-bbox="365 283 933 378"> <thead> <tr> <th>Revenue report</th> </tr> </thead> <tbody> <tr> <td>video</td> </tr> </tbody> </table> A specific key figure can be defined only once per report	Revenue report	video
Revenue report				
video				

Export Settings Object

Parameter	Type	Description
fileType	String	File type of the offline report, must be one of <code>csv</code> or <code>xlsx</code>
fileName	String	File name of the offline report

Notification Settings Object

Parameter	Type	Description
schedule	Object	Object to configure the schedule for sending the generated report
recipients	Array	A list of (String) values of one or more email addresses to send the generated report to

Notification Settings Schedule Object

Parameter	Type	Description
type	String	The schedule type is either <code>daily</code> , <code>monthly</code> or <code>weekly</code>
day	Integer	The day of the week or month on which the report should be sent. Must not be set for <code>daily</code> reports. Valid values for <code>weekly</code> reports range from 1-7 where 1 is Monday and 7 is Sunday. Valid values for <code>monthly</code> reports range from 1-28.

Response Parameters

Parameter	Type	Description
id	Number	Report template ID
name	String	Report template Name
type	String	Type of the report, supported values: <code>analytics</code> , <code>revenue</code>
period	Object	Time period of the report
dimensions	Array	Dimensions that will be included in the report
keyFigures	Array	Key figures that will be included in the report
exportSettings	Object	Settings for offline reports
notificationSettings	Object	Optional settings to configure the report for periodic email delivery

Period Object

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

type	String	Type of the period, supported values: <code>custom</code> , <code>today</code> , <code>yesterday</code> , <code>current_week</code> , <code>last_week</code> , <code>current_month</code> , <code>last_month</code> , <code>last_thirty_days</code> .
start	String	Start of the period formatted as ISO 8601, must be defined if and only if <code>type</code> is <code>custom</code> and must be before <code>end</code>
end	String	End of the period formatted as ISO 8601, must be defined if and only if <code>type</code> is <code>custom</code> and must be after <code>start</code>

Dimension Object

Parameter	Type	Description
name	String	Name of the dimension
filter	Object	Filter rules for dimension values

Filter Object

Parameter	Type	Description
ids	Array	An array of (integer) IDs of objects that should be included in the report, must not be defined if <code>values</code> is defined
values	Array	An array of (String) values that should be included in the report, must not be defined if <code>ids</code> is defined

Key Figure Object

Parameter	Type	Description
name	String	Name of the key figure
sort	String	The sort direction of this column, can be one of <code>asc</code> or <code>desc</code> and must be defined at most for one dimension or key figure in the whole request object

Export Settings Object

Parameter	Type	Description
fileType	String	File type of the offline report, must be one of <code>csv</code> or <code>xlsx</code>
fileName	String	File name of the offline report

Notification Settings Object

Parameter	Type	Description
schedule	Object	Object to configure the schedule for sending the generated report
recipients	Array	A list of (String) values of one or more email addresses to send the generated report to

Notification Settings Schedule Object

Parameter	Type	Description
type	String	The schedule type is either <code>daily</code> , <code>monthly</code> or <code>weekly</code>
day	Integer	The day of the week or month on which the report should be sent. Must not be set for <code>daily</code> reports. Valid values for <code>weekly</code> reports range from 1-7 where 1 is Monday and 7 is Sunday. Valid values for <code>monthly</code> reports range from 1-28.

Example Request


```
curl -X POST -H "Content-type: application/json" \  
  -H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \  
  -d '{ "name": "revenue_per_adslot_last_week", "type": "revenue", "period": { "type": "last_week" },  
"dimensions": [ { "name": "adslot", "sort": "asc" } ], "keyFigures": [ { "name": "video" } ], "exportSettings":  
{ "fileType": "xlsx" }, "notificationSettings": { "schedule": { "type": "weekly", "day": 1 }, "recipients": [  
"jane.doe@example.org" ] } }' \  
  https://api.yieldlab.net/supply/v1/report-templates
```

Example Response

```
{  
  "id": 53246,  
  "name": "revenue_per_adslot_last_week",  
  "type": "revenue",  
  "period": {  
    "type": "last_week"  
  },  
  "dimensions": [  
    {  
      "name": "adslot",  
      "sort": "asc"  
    }  
  ],  
  "keyFigures": [  
    {  
      "name": "revenue"  
    }  
  ],  
  "exportSettings": {  
    "fileType": "xlsx"  
  },  
  "notificationSettings": {  
    "schedule": {  
      "type": "weekly",  
      "day": 1  
    },  
    "recipients": [  
      "jane.doe@example.org"  
    ]  
  }  
}
```

Listing a Report Template

Single report templates can be retrieved by making a HTTP GET request to the following URL:

```
https://api.yieldlab.net/supply/v1/report-templates/${id}
```

Response Parameters

Report Template Object

Parameter	Type	Description
id	Number	Report template ID
name	String	Report template name Please note: leading and trailing whitespaces will be removed automatically.
type	String	Type of the report Supported values: analytics, revenue
period	Object	Time period of the report
separateBy	String	Grouping strategy for the offline report, can be one of hour, day, week, month or total
dimensions	Array	Dimensions that will be included in the report
keyFigures	Array	Key figures that will be included in the report
exportSettings	Object	Export settings for the report
notificationSettings	Object	Optional settings to configure the report for periodic email delivery

Period Object

Parameter	Type	Description
type	String	Type of the period, supported values: custom, today, yesterday, current_week, last_week, current_month, last_month, last_thirty_days Please note: When using the optional notification settings, the supported values are restricted to: yesterday, last_week, last_month, last_thirty_days

start	String	<p>Must be defined if and only if <code>type</code> is <code>custom</code> and must be before <code>end</code></p> <p>The following ISO 8601 formats are supported:</p> <p>2024-06-01T01:00 - local dates with no timezone information - assumes Europe/Berlin as default timezone 2024-05-01T01:00Z - zulu time specified (UTC) 2024-01-01T00:00+08:00 - standard ISO-8601 format with static offsets - static offsets can be short form +08, +0800, +08:00 2024-01-01T01:00[Europe/Berlin] - with zoneld in brackets</p> <p>The underlying formatting pattern: <code>yyyy-MM-dd'T'HH:mm[XXX]['['VV']]'</code></p> <p>If different timezones are provided for the <code>start</code> and <code>end</code>, the <code>start</code> timezone will be used for both.</p> <p>Example: To request a report starting 1 February 2020 and ending 30 June 2020, you will need the following settings:</p> <pre>{ "start": "2022-02-01T00:00+0100", "end": "2022-06-30T23:59+0200" }</pre> <p>Note on static offsets +01 or +02</p> <p>When providing static offsets: When providing +01 or +02 static offsets they are treated as Zoneld Europe/Berlin. For example: a request for +01 (CET) in December will be treated as +02 (CEST). Requests across daylight saving time boundaries will result in both CET and CEST groupings in the report. This is the existing behaviour and done for backwards compatibility. This is only the case for +01 and +02 static offsets. All other offsets will not include daylight savings naturally. For example: a request to +04 will always only be in +04, the same for +05. While Zonelds can handle daylight savings like America/New_York would contain both +04 and +05.</p> <p>Note on limitation for analytics requests</p> <p>Requests of type <code>analytics</code> <i>not</i> using Europe/Berlin or static offsets +01 or +02 are soft limited to 2 weeks. Timezone Europe/Berlin requests do not have this limitation and can be queried as usual.</p>
end	String	<p>End of the period formatted as ISO 8601 (<code>yyyy-MM-dd'T'HH:mm[XXX]['['VV']]'</code>), must be defined if and only if <code>type</code> is <code>custom</code> and must be after <code>start</code></p> <p>Please refer to the description of the "start" parameter above for more details.</p>

Dimension Object

Parameter	Type	Description
name	String	Name of the dimension
filter	Object	Filter rules for dimension values
sort	String	The sort direction of this column, can be one of <code>asc</code> or <code>desc</code> and must be defined at most for one dimension or key figure in the whole request object
search	String	A search filter for dimension values

Filter Object

Parameter	Type	Description
ids	Array	An array of (integer) IDs of objects that should be included in the report, must not be defined if <code>values</code> is defined
values	Array	An array of (String) values that should be included in the report, must not be defined if <code>ids</code> is defined

Key Figure Object

Parameter	Type	Description
name	String	Name of the key figure
sort	String	The sort direction of this column, can be one of <code>asc</code> or <code>desc</code> and must be defined at most for one dimension or key figure in the whole request object

Export Settings Object

Parameter	Type	Description
fileType	String	File type of the offline report, must be one of <code>csv</code> or <code>xlsx</code>
fileName	String	File name of the offline report

Notification Settings Object

Parameter	Type	Description
schedule	Object	Object to configure the schedule for sending the generated report
recipients	Array	A list of (String) values of one or more email addresses to send the generated report to

Notification Settings Schedule Object

Parameter	Type	Description
type	String	The schedule type is either <code>daily</code> , <code>monthly</code> or <code>weekly</code>
day	Integer	The day of the week or month on which the report should be sent. Must not be set for <code>daily</code> reports. Valid values for <code>weekly</code> reports range from 1-7 where 1 is Monday and 7 is Sunday. Valid values for <code>monthly</code> reports range from 1-28.

Example Request

```
curl -X GET -H "Content-type: application/json" \  
-H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \  
https://api.yieldlab.net/supply/v1/report-templates/53246
```

Example Response

```
{
  "id": 53246,
  "name": "revenue_per_adslot_last_week",
  "type": "revenue",
  "period": {
    "type": "last_week"
  },
  "dimensions": [
    {
      "name": "adslot",
      "sort": "asc"
    }
  ],
  "keyFigures": [
    {
      "name": "revenue"
    }
  ],
  "exportSettings": {
    "fileType": "xlsx"
  },
  "notificationSettings": {
    "schedule": {
      "type": "weekly",
      "day": 1
    }
  },
  "recipients": [
    "john.doe@example.org",
    "jane.doe@example.org"
  ]
}
```

Listing all Report Templates

Report templates can be listed by making a HTTP GET request to the following URL:

```
https://api.yieldlab.net/supply/v1/report-templates
```

Response Parameters

Main Response Object

Parameter	Type	Description
reportTemplates	Array	List of report templates

Report Template Object

Parameter	Type	Description
id	Number	Report template ID
name	String	Report template name Please note: leading and trailing whitespaces will be removed automatically.
type	String	Type of the report Supported values: analytics, revenue
period	Object	Time period of the report
separateBy	String	Grouping strategy for the offline report, can be one of hour, day, week, month or total
dimensions	Array	Dimensions that will be included in the report
keyFigures	Array	Key figures that will be included in the report
exportSettings	Object	Export settings for the report
notificationSettings	Object	Optional settings to configure the report for periodic email delivery

Period Object

Parameter	Type	Description
type	String	Type of the period, supported values: custom, today, yesterday, current_week, last_week, current_month, last_month, last_thirty_days Please note: When using the optional notification settings, the supported values are restricted to: yesterday, last_week, last_month, last_thirty_days

start	String	<p>Must be defined if and only if <code>type</code> is <code>custom</code> and must be before <code>end</code></p> <p>The following ISO 8601 formats are supported:</p> <p>2024-06-01T01:00 - local dates with no timezone information - assumes Europe/Berlin as default timezone 2024-05-01T01:00Z - zulu time specified (UTC) 2024-01-01T00:00+08:00 - standard ISO-8601 format with static offsets - static offsets can be short form +08, +0800, +08:00 2024-01-01T01:00[Europe/Berlin] - with zoneld in brackets</p> <p>The underlying formatting pattern: <code>yyyy-MM-dd'T'HH:mm[XXX]['['VV']']</code></p> <p>If different timezones are provided for the <code>start</code> and <code>end</code>, the <code>start</code> timezone will be used for both.</p> <p>Example: To request a report starting 1 February 2020 and ending 30 June 2020, you will need the following settings:</p> <pre>{ "start": "2022-02-01T00:00+0100", "end": "2022-06-30T23:59+0200" }</pre> <p>Note on static offsets +01 or +02</p> <p>When providing static offsets: When providing +01 or +02 static offsets they are treated as Zoneld Europe/Berlin. For example: a request for +01 (CET) in December will be treated as +02 (CEST). Requests across daylight saving time boundaries will result in both CET and CEST groupings in the report. This is the existing behaviour and done for backwards compatibility. This is only the case for +01 and +02 static offsets. All other offsets will not include daylight savings naturally. For example: a request to +04 will always only be in +04, the same for +05. While Zonelds can handle daylight savings like America/New_York would contain both +04 and +05.</p> <p>Note on limitation for analytics requests</p> <p>Requests of type <code>analytics</code> <i>not</i> using Europe/Berlin or static offsets +01 or +02 are soft limited to 2 weeks. Timezone Europe/Berlin requests do not have this limitation and can be queried as usual.</p>
end	String	<p>End of the period formatted as ISO 8601 (<code>yyyy-MM-dd'T'HH:mm[XXX]['['VV']']</code>), must be defined if and only if <code>type</code> is <code>custom</code> and must be after <code>start</code></p> <p>Please refer to the description of the "start" parameter above for more details.</p>

Dimension Object

Parameter	Type	Description
name	String	Name of the dimension
filter	Object	Filter rules for dimension values
sort	String	The sort direction of this column, can be one of <code>asc</code> or <code>desc</code> and must be defined at most for one dimension or key figure in the whole request object
search	String	A search filter for dimension values

Filter Object

Parameter	Type	Description
ids	Array	An array of (integer) IDs of objects that should be included in the report, must not be defined if <code>values</code> is defined
values	Array	An array of (String) values that should be included in the report, must not be defined if <code>ids</code> is defined

Key Figure Object

Parameter	Type	Description
name	String	Name of the key figure
sort	String	The sort direction of this column, can be one of <code>asc</code> or <code>desc</code> and must be defined at most for one dimension or key figure in the whole request object

Export Settings Object

Parameter	Type	Description
fileType	String	File type of the offline report, must be one of <code>csv</code> or <code>xlsx</code>
fileName	String	File name of the offline report

Notification Settings Object

Parameter	Type	Description
schedule	Object	Object to configure the schedule for sending the generated report
recipients	Array	A list of (String) values of one or more email addresses to send the generated report to

Notification Settings Schedule Object

Parameter	Type	Description
type	String	The schedule type is either <code>daily</code> , <code>monthly</code> or <code>weekly</code>
day	Integer	The day of the week or month on which the report should be sent. Must not be set for <code>daily</code> reports. Valid values for <code>weekly</code> reports range from 1-7 where 1 is Monday and 7 is Sunday. Valid values for <code>monthly</code> reports range from 1-28.

Example Request

```
curl -X GET -H "Content-type: application/json" \
-H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \
https://api.yieldlab.net/supply/v1/report-templates
```

Example Response

```
{
  "reportTemplates": [
    {
      "id": 53246,
      "name": "revenue_per_adslot_last_week",
      "type": "revenue",
      "period": {
        "type": "last_week"
      },
      "dimensions": [
        {
          "name": "adslot",
          "sort": "asc"
        }
      ],
      "keyFigures": [
        {
          "name": "revenue"
        }
      ],
      "exportSettings": {
        "fileType": "xlsx"
      },
      "notificationSettings": {
        "schedule": {
```



```
    "type": "weekly",
    "day": 1
  },
  "recipients": [
    "john.doe@example.org",
    "jane.doe@example.org"
  ]
},
{
  "id": 53247,
  "name": "revenue_filtered_partnerships",
  "type": "revenue",
  "period": {
    "type": "last_week"
  },
  "dimensions": [
    {
      "name": "partnership_id",
      "filter": {
        "ids": [
          14123,
          54136,
          46155,
          72565,
          74245
        ]
      },
      "sort": "asc"
    }
  ],
  "keyFigures": [
    {
      "name": "revenue"
    }
  ],
  "exportSettings": {
    "fileType": "xlsx"
  },
  "notificationSettings": {
    "schedule": {
      "type": "daily"
    }
  },
  "recipients": [
    "john.doe@example.org"
  ]
}
]
}
```

Updating a Report Template

Report templates can be updated by making a HTTP PUT request to the following URL:

```
https://api.yieldlab.net/supply/v1/report-templates/${id}
```

Request Parameters

Main Request Object

Parameter	Type	Description
name	String	Report template name Please note: leading and trailing whitespaces will be removed automatically.
type	String	Type of the report Supported values: analytics, revenue
period	Object	Time period of the report
separateBy	String	hour, day, week, month or total Please note: "hour" can only be used when the time period of the report is one day or less!
dimensions	Array	Dimensions that will be included in the report
keyFigures	Array	Key figures that will be included in the report
exportSettings	Object	Settings for offline reports
notificationSettings	Object	Optional settings to configure the report for periodic email delivery

Period Object

Parameter	Type	Description
type	String	Type of the period, supported values: custom, today, yesterday, current_week, last_week, current_month, last_month, last_thirty_days Please note: When using the optional notification settings, the supported values are restricted to: yesterday, last_week, last_month, last_thirty_days

start	String	<p>Must be defined if and only if <code>type</code> is <code>custom</code> and must be before <code>end</code></p> <p>The following ISO 8601 formats are supported:</p> <p>2024-06-01T01:00 - local dates with no timezone information - assumes Europe/Berlin as default timezone 2024-05-01T01:00Z - zulu time specified (UTC) 2024-01-01T00:00+08:00 - standard ISO-8601 format with static offsets - static offsets can be short form +08, +0800, +08:00 2024-01-01T01:00[Europe/Berlin] - with zoneld in brackets</p> <p>The underlying formatting pattern: <code>yyyy-MM-dd'T'HH:mm[XXX]['['VV']']</code></p> <p>If different timezones are provided for the <code>start</code> and <code>end</code>, the <code>start</code> timezone will be used for both.</p> <p>Example: To request a report starting 1 February 2020 and ending 30 June 2020, you will need the following settings:</p> <pre>{ "start": "2022-02-01T00:00+0100", "end": "2022-06-30T23:59+0200" }</pre> <p>Note on static offsets +01 or +02</p> <p>When providing static offsets: When providing +01 or +02 static offsets they are treated as Zoneld Europe/Berlin. For example: a request for +01 (CET) in December will be treated as +02 (CEST). Requests across daylight saving time boundaries will result in both CET and CEST groupings in the report. This is the existing behaviour and done for backwards compatibility. This is only the case for +01 and +02 static offsets. All other offsets will not include daylight savings naturally. For example: a request to +04 will always only be in +04, the same for +05. While Zonelds can handle daylight savings like America/New_York would contain both +04 and +05.</p> <p>Note on limitation for analytics requests</p> <p>Requests of type <code>analytics</code> <i>not</i> using Europe/Berlin or static offsets +01 or +02 are soft limited to 2 weeks. Timezone Europe/Berlin requests do not have this limitation and can be queried as usual.</p>
end	String	<p>End of the period formatted as ISO 8601 (<code>yyyy-MM-dd'T'HH:mm[XXX]['['VV']']</code>), must be defined if and only if <code>type</code> is <code>custom</code> and must be after <code>start</code></p> <p>Please refer to the description of the "start" parameter above for more details.</p>

Dimension Object

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

name	String	Name of the dimension. Valid values by report type:																														
		<table border="1"> <thead> <tr> <th>Analytics report</th> <th>Revenue report</th> </tr> </thead> <tbody> <tr> <td>adslot</td> <td>adslot</td> </tr> <tr> <td>adslot_id</td> <td>adslot_id</td> </tr> <tr> <td>deal_id</td> <td>advertiser</td> </tr> <tr> <td>demand_partner</td> <td>advertiser_id</td> </tr> <tr> <td>demand_partner_id*</td> <td>demand_partner_id</td> </tr> <tr> <td>format</td> <td>external_id</td> </tr> <tr> <td>parent_supply_partner</td> <td>format</td> </tr> <tr> <td>parent_deal_id</td> <td>group</td> </tr> <tr> <td>partnership</td> <td>invoice</td> </tr> <tr> <td>partnership_id</td> <td>parent_supply_partner</td> </tr> <tr> <td></td> <td>parent_deal_id</td> </tr> <tr> <td></td> <td>partnership</td> </tr> <tr> <td></td> <td>partnership_id</td> </tr> <tr> <td></td> <td>site</td> </tr> </tbody> </table>	Analytics report	Revenue report	adslot	adslot	adslot_id	adslot_id	deal_id	advertiser	demand_partner	advertiser_id	demand_partner_id*	demand_partner_id	format	external_id	parent_supply_partner	format	parent_deal_id	group	partnership	invoice	partnership_id	parent_supply_partner		parent_deal_id		partnership		partnership_id		site
		Analytics report	Revenue report																													
		adslot	adslot																													
		adslot_id	adslot_id																													
		deal_id	advertiser																													
		demand_partner	advertiser_id																													
		demand_partner_id*	demand_partner_id																													
		format	external_id																													
		parent_supply_partner	format																													
		parent_deal_id	group																													
		partnership	invoice																													
partnership_id	parent_supply_partner																															
	parent_deal_id																															
	partnership																															
	partnership_id																															
	site																															
A specific dimension can be defined only once per report template																																
*demand_partner_id can only be used for filtering and requires that demand_partner is a selected dimension too!																																
filter	Object	Filter rules for dimension values																														
sort	String	The sort direction of this column, can be one of <code>asc</code> or <code>desc</code> and must be defined at most for one dimension or key figure in the whole request object																														
search	String	A search filter for dimension values																														

Filter Object

Parameter	Type	Description
ids	Array	An array of (integer) IDs of objects that should be included in the report, must not be defined if <code>values</code> is defined
values	Array	An array of (String) values that should be included in the report, must not be defined if <code>ids</code> is defined

Key Figure Object

Parameter	Type	Description		
name	String	Name of the key figure		
		Supported for Revenue report only. Valid values:		
		<table border="1"> <thead> <tr> <th>Revenue report</th> </tr> </thead> <tbody> <tr> <td>video</td> </tr> </tbody> </table>	Revenue report	video
Revenue report				
video				
		A specific key figure can be defined only once per report		
sort	String	The sort direction of this column, can be one of <code>asc</code> or <code>desc</code> and must be defined at most for one dimension or key figure in the whole request object		

Export Settings Object

Parameter	Type	Description
fileType	String	File type of the offline report, must be one of <code>csv</code> or <code>xlsx</code>
fileName	String	File name of the offline report
separateBy	String	Grouping strategy for the offline report, can be one of <code>day</code> , <code>month</code> or <code>week</code>

Notification Settings Object

Parameter	Type	Description
schedule	Object	Object to configure the schedule for sending the generated report
recipients	Array	A list of (String) values of one or more email addresses to send the generated report to

Notification Settings Schedule Object

Parameter	Type	Description
type	String	The schedule type is either <code>daily</code> , <code>monthly</code> or <code>weekly</code>
day	Integer	The day of the week or month on which the report should be sent. Must not be set for <code>daily</code> reports. Valid values for <code>weekly</code> reports range from 1-7 where 1 is Monday and 7 is Sunday. Valid values for <code>monthly</code> reports range from 1-28.

Response Parameters

Parameter	Type	Description
id	Number	Report template ID
name	String	Report template Name
type	String	Type of the report, supported values: <code>analytics</code> , <code>revenue</code>
period	Object	Time period of the report
dimensions	Array	Dimensions that will be included in the report
keyFigures	Array	Key figures that will be included in the report
exportSettings	Object	Settings for offline reports
notificationSettings	Object	Settings to configure the report for periodic email delivery

Period Object

Parameter	Type	Description
type	String	Type of the period, supported values: <code>custom</code> , <code>today</code> , <code>yesterday</code> , <code>current_week</code> , <code>last_week</code> , <code>current_month</code> , <code>last_month</code> , <code>last_thirty_days</code>
start	String	Start of the period formatted as ISO 8601, must be defined if and only if <code>type</code> is <code>custom</code> and must be before <code>end</code>
end	String	End of the period formatted as ISO 8601, must be defined if and only if <code>type</code> is <code>custom</code> and must be after <code>start</code>

Dimension Object

Parameter	Type	Description
name	String	Name of the dimension
filter	Object	Filter rules for dimension values

sort	String	The sort direction of this column, can be one of <code>asc</code> or <code>desc</code> and must be defined at most for one dimension or key figure in the whole request object
search	String	A search filter for dimension values

Filter Object

Parameter	Type	Description
ids	Array	An array of (integer) IDs of objects that should be included in the report, must not be defined if <code>values</code> is defined
values	Array	An array of (String) values that should be included in the report, must not be defined if <code>ids</code> is defined

Key Figure Object

Parameter	Type	Description
name	String	Name of the key figure
sort	String	The sort direction of this column, can be one of <code>asc</code> or <code>desc</code> and must be defined at most for one dimension or key figure in the whole request object

Export Settings Object

Parameter	Type	Description
fileType	String	File type of the offline report, must be one of <code>csv</code> or <code>xlsx</code>
fileName	String	File name of the offline report

Notification Settings Object

Parameter	Type	Description
schedule	Object	Object to configure the schedule for sending the generated report
recipients	Array	A list of (String) values of one or more email addresses to send the generated report to

Notification Settings Schedule Object

Parameter	Type	Description
type	String	The schedule type is either <code>daily</code> , <code>monthly</code> or <code>weekly</code>
day	Integer	The day of the week or month on which the report should be sent. Must not be set for <code>daily</code> reports. Valid values for <code>weekly</code> reports range from 1-7 where 1 is Monday and 7 is Sunday. Valid values for <code>monthly</code> reports range from 1-28.

Example Request

```
curl -X PUT -H "Content-type: application/json" \
  -H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \
  -d '{ "name": "revenue_per_adslot_last_week", "type": "revenue", "period": { "type": "last_week" },
  "dimensions": [ { "name": "adslot", "sort": "asc" } ], "keyFigures": [ { "name": "video" } ], "exportSettings":
  { "file_type": "xlsx" }, "notificationSettings": { "schedule": { "type": "weekly", "day": 1 }, "recipients": [
  "jane.doe@example.org" ] }' \
  https://api.yieldlab.net/supply/v1/report-templates/53246
```

Example Response

```
{
  "id": 53246,
  "name": "revenue_per_adslot_last_week",
  "type": "revenue",
  "period": {
    "type": "last_week"
  },
  "dimensions": [
    {
      "name": "adslot",
      "sort": "asc"
    }
  ],
  "keyFigures": [
    {
      "name": "video"
    }
  ],
  "exportSettings": {
    "fileType": "xlsx"
  },
  "notificationSettings": {
    "schedule": {
      "type": "weekly",
      "day": 1
    },
    "recipients": [
      "jane.doe@example.org"
    ]
  }
}
```

Deleting a Report Template

Report templates can be deleted by making a HTTP DELETE request to the following URL:

```
https://api.yieldlab.net/supply/v1/report-templates/${id}
```

Example Request

```
curl -X DELETE -H "Content-type: application/json" \  
  -H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \  
  https://api.yieldlab.net/supply/v1/report-templates/53246
```


Supply Reports

Getting a supply report is a process that involves the following three discrete steps:

1. Creating a report order
2. Checking the status of the report order to see if the report is finished
3. Retrieving the generated report once it is done and available

1. Creating a report order

In order to create a report order, you will have to call the respective API endpoint <https://api.yieldlab.net/supply/v1/reports/orders> (see next page for details) and provide the necessary information. Once the information has been validated and the order created, the endpoint will return an object containing the report's ID and status as well as two URLs for checking the order's status and for the eventual report retrieval. This information can be used in the following steps.

In addition to receiving the report in JSON format, it can also be ordered as a CSV or Excel XLSX file (see the parameter *exportSettings*).

It is possible to create a number of orders at the same time and retrieve the resulting reports separately.

2. Checking the report order's status

To check whether the report is ready for retrieval, it can be checked by calling the URL in *_links.self.href* from the returned object of step 1, or by calling the endpoint <https://api.yieldlab.net/supply/v1/reports/orders/{orderId}> and substituting *{orderId}* with the order ID from step 1. Alternatively, <https://api.yieldlab.net/supply/v1/reports/orders/> can be called to get an overview over all current report orders.

Please ensure to wait at least 5 seconds after creating a report order before checking its status for the first time!

The status of a report order can be one of three:

- QUEUED - The report is still being worked on
- FAILED - Some error occurred during the processing of the order
- PROCESSED - The report is finished and can be retrieved (see next step)

This step returns a similar object to the one from step 1. Once the status of a report is PROCESSED, it can be retrieved using the final step.

3. Retrieving the generated report

When a report order's status is PROCESSED, it can be retrieved by either using the URL from the status object's *_links.retrieve.href* field, or by calling <https://api.yieldlab.net/supply/v1/reports/{orderId}>, where *{orderId}* again should be the report's order ID.

Ordering a Supply Report (Online)

Ordering of Supply Reports (Online) in JSON format can be done by making a HTTP POST request to the following URL:

```
https://api.yieldlab.net/supply/v1/reports/orders
```

Request Parameters

Main Request Object

Parameter	Type	Description
type	Enum	analytics or revenue
period	Object	Time period of the report
separateBy	Enum	hour, day, week, month or total Please note: "hour" can only be used when the time period of the report is one day or less!
dimensions	Array	Dimensions that will be included in the report
keyFigures	Array	Optional setting, Key figures that will be included in the report (Note: for online reports keyFigures like impressions, revenue are included by default)
accuracy	Enum	max or millicents default: millicents

Period Object

Parameter	Type	Description
type	String	Type of the period, supported values: custom, today, yesterday, current_week, last_week, current_month, last_m onth, last_thirty_days. If the type is custom, start and end have to be set (see below)!

start	String	<p>Must be defined if and only if <code>type</code> is <code>custom</code> and must be before <code>end</code></p> <p>The following ISO 8601 formats are supported:</p> <p>2024-06-01T01:00 - local dates with no timezone information - assumes Europe/Berlin as default timezone 2024-05-01T01:00Z - zulu time specified (UTC) 2024-01-01T00:00+08:00 - standard ISO-8601 format with static offsets - static offsets can be short form +08, +0800, +08:00 2024-01-01T01:00[Europe/Berlin] - with zoneld in brackets</p> <p>The underlying formatting pattern: <code>yyyy-MM-dd'T'HH:mm[XXX]['V']'</code></p> <p>If different timezones are provided for the <code>start</code> and <code>end</code>, the <code>start</code> timezone will be used for both.</p> <p>Example: To request a report starting 1 February 2020 and ending 30 June 2020, you will need the following settings:</p> <pre>{ "start": "2022-02-01T00:00+0100", "end": "2022-06-30T23:59+0200" }</pre> <p>Note on static offsets +01 or +02</p> <p>When providing static offsets: When providing +01 or +02 static offsets they are treated as Zoneld Europe/Berlin. For example: a request for +01 (CET) in December will be treated as +02 (CEST). Requests across daylight saving time boundaries will result in both CET and CEST groupings in the report. This is the existing behaviour and done for backwards compatibility. This is only the case for +01 and +02 static offsets. All other offsets will not include daylight savings naturally. For example: a request to +04 will always only be in +04, the same for +05. While Zonelds can handle daylight savings like America/New_York would contain both +04 and +05.</p> <p>Note on limitation for analytics requests</p> <p>Requests of type <code>analytics</code> <i>not</i> using Europe/Berlin or static offsets +01 or +02 are soft limited to 2 weeks. Timezone Europe/Berlin requests do not have this limitation and can be queried as usual.</p>
end	String	<p>End of the period formatted as ISO 8601 (<code>yyyy-MM-dd'T'HH:mm[XXX]['V']'</code>), must be defined if and only if <code>type</code> is <code>custom</code> and must be after <code>start</code></p> <p>Please refer to the description of the "start" parameter above for more details.</p>

Dimension Object

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

name	String	Name of the dimension. Valid values by report type:																								
		<table border="1"> <thead> <tr> <th>Analytics report</th> <th>Revenue report</th> </tr> </thead> <tbody> <tr> <td>adslot</td> <td>adslot_id</td> </tr> <tr> <td>adslot_id</td> <td>advertiser</td> </tr> <tr> <td>deal_id</td> <td>advertiser_id</td> </tr> <tr> <td>demand_partner</td> <td>demand_partner_id</td> </tr> <tr> <td>demand_partner_id*</td> <td>external_id</td> </tr> <tr> <td>format</td> <td>format</td> </tr> <tr> <td>parent_supply_partner</td> <td>group</td> </tr> <tr> <td>parent_deal_id</td> <td>invoice</td> </tr> <tr> <td>partnership</td> <td>parent_supply_partner</td> </tr> <tr> <td>partnership_id</td> <td>parent_deal_id</td> </tr> <tr> <td>technology_id</td> <td>partnership_id</td> </tr> <tr> <td></td> <td>site</td> </tr> </tbody> </table> <p>A specific dimension can be defined only once per report template</p> <p>*demand_partner_id can only be used for filtering (see below) and requires that demand_partner is a selected dimension too!</p>	Analytics report	Revenue report	adslot	adslot_id	adslot_id	advertiser	deal_id	advertiser_id	demand_partner	demand_partner_id	demand_partner_id*	external_id	format	format	parent_supply_partner	group	parent_deal_id	invoice	partnership	parent_supply_partner	partnership_id	parent_deal_id	technology_id	partnership_id
Analytics report	Revenue report																									
adslot	adslot_id																									
adslot_id	advertiser																									
deal_id	advertiser_id																									
demand_partner	demand_partner_id																									
demand_partner_id*	external_id																									
format	format																									
parent_supply_partner	group																									
parent_deal_id	invoice																									
partnership	parent_supply_partner																									
partnership_id	parent_deal_id																									
technology_id	partnership_id																									
	site																									
filter	Object	Filter rules for dimension values																								

Filter Object

Parameter	Type	Description										
ids	Array	<p>An array of (integer) IDs of objects that should be included in the report. Must not be defined if values is defined (see below)!</p> <p>Valid dimension names for filtering by IDs by report type:</p> <table border="1"> <thead> <tr> <th>Analytics report</th> <th>Revenue report</th> </tr> </thead> <tbody> <tr> <td>adslot_id</td> <td>adslot_id</td> </tr> <tr> <td>demand_partner_id*</td> <td>advertiser_id</td> </tr> <tr> <td>partnership_id</td> <td>demand_partner_id</td> </tr> <tr> <td></td> <td>partnership_id</td> </tr> </tbody> </table> <p>*demand_partner_id can only be used for filtering and requires that demand_partner is a selected dimension too!</p>	Analytics report	Revenue report	adslot_id	adslot_id	demand_partner_id*	advertiser_id	partnership_id	demand_partner_id		partnership_id
Analytics report	Revenue report											
adslot_id	adslot_id											
demand_partner_id*	advertiser_id											
partnership_id	demand_partner_id											
	partnership_id											
values	String	<p>Supported for Analytics report only. String value that should be included in the report. Must not be defined if ids is defined (see above)!</p> <p>Valid dimension names for filtering by values :</p> <table border="1"> <thead> <tr> <th>Analytics report</th> </tr> </thead> <tbody> <tr> <td>adslot</td> </tr> <tr> <td>demand_partner</td> </tr> <tr> <td>deal_id</td> </tr> <tr> <td>partnership</td> </tr> </tbody> </table>	Analytics report	adslot	demand_partner	deal_id	partnership					
Analytics report												
adslot												
demand_partner												
deal_id												
partnership												

Key Figure Object

Parameter	Type	Description		
name	String	Name of the key figure Supported for Revenue report only. Valid values: <table border="1" data-bbox="365 279 933 380"> <tr> <td>Revenue report</td> </tr> <tr> <td>video</td> </tr> </table> A specific key figure can be defined only once per report	Revenue report	video
Revenue report				
video				

Example Request (online report)

```
curl -X POST -H "Content-type: application/json" \
  -H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \
  -d '{ "name": "my_revenue_report", "type": "revenue", "period": { "type": "last_week" }, "dimensions": [ {
"name": "adslot" }, { "name": "advertiser" } ], "keyFigures": [ { "name": "video_click" } ], "separateBy":
"day" }' \
  https://api.yieldlab.net/supply/v1/reports/orders
```

Example Response

```
{
  "id": "4d7f49ea-04dc-44d4-9a5a-3d9059e91929",
  "status": "QUEUED",
  "_links": {
    "self": {
      "href": "https://api.yieldlab.net/supply/v1/reports/orders/4d7f49ea-04dc-44d4-9a5a-3d9059e91929"
    },
    "retrieve": {
      "href": "https://api.yieldlab.net/supply/v1/reports/4d7f49ea-04dc-44d4-9a5a-3d9059e91929"
    }
  }
}
```

Ordering a Supply Report (Offline)

Ordering of Supply Reports (Offline) in CSV or XLSX format can be done by making a HTTP POST request to the following URL:

```
https://api.yieldlab.net/supply/v1/reports/orders
```

Request Parameters

Main Request Object

Parameter	Type	Description
type	Enum	analytics or revenue
period	Object	Time period of the report
separateBy	Enum	hour, day, week, month or total Please note: "hour" can only be used when the time period of the report is one day or less!
dimensions	Array	Dimensions that will be included in the report
keyFigures	Array	Key figures that will be included in the report
exportSettings	Object	Setting to specify output format: CSV or Excel XLSX
accuracy	Enum	max or millicents default: millicents

Period Object

Parameter	Type	Description
type	String	Type of the period, supported values: custom, today, yesterday, current_week, last_week, current_month, last_m onth, last_thirty_days. If the type is custom, start and end have to be set (see below)!

start	String	<p>Must be defined if and only if <code>type</code> is <code>custom</code> and must be before <code>end</code></p> <p>The following ISO 8601 formats are supported:</p> <p>2024-06-01T01:00 - local dates with no timezone information - assumes Europe/Berlin as default timezone 2024-05-01T01:00Z - zulu time specified (UTC) 2024-01-01T00:00+08:00 - standard ISO-8601 format with static offsets - static offsets can be short form +08, +0800, +08:00 2024-01-01T01:00[Europe/Berlin] - with zoneld in brackets</p> <p>The underlying formatting pattern: <code>yyyy-MM-dd'T'HH:mm[XXX]['V']'</code></p> <p>If different timezones are provided for the <code>start</code> and <code>end</code>, the <code>start</code> timezone will be used for both.</p> <p>Example: To request a report starting 1 February 2020 and ending 30 June 2020, you will need the following settings:</p> <pre>{ "start": "2022-02-01T00:00+0100", "end": "2022-06-30T23:59+0200" }</pre> <p>Note on static offsets +01 or +02</p> <p>When providing static offsets: When providing +01 or +02 static offsets they are treated as Zoneld Europe/Berlin. For example: a request for +01 (CET) in December will be treated as +02 (CEST). Requests across daylight saving time boundaries will result in both CET and CEST groupings in the report. This is the existing behaviour and done for backwards compatibility. This is only the case for +01 and +02 static offsets. All other offsets will not include daylight savings naturally. For example: a request to +04 will always only be in +04, the same for +05. While Zonelds can handle daylight savings like America/New_York would contain both +04 and +05.</p> <p>Note on limitation for analytics requests</p> <p>Requests of type <code>analytics</code> <i>not</i> using Europe/Berlin or static offsets +01 or +02 are soft limited to 2 weeks. Timezone Europe/Berlin requests do not have this limitation and can be queried as usual.</p>
end	String	<p>End of the period formatted as ISO 8601 (<code>yyyy-MM-dd'T'HH:mm[XXX]['V']'</code>), must be defined if and only if <code>type</code> is <code>custom</code> and must be after <code>start</code></p> <p>Please refer to the description of the "start" parameter above for more details.</p>

Dimension Object

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

name	String	Name of the dimension. Valid values by report type:																																								
		<table border="1"> <thead> <tr> <th>Analytics report</th> <th>Revenue report</th> </tr> </thead> <tbody> <tr> <td>adslot</td> <td>adslot_id</td> </tr> <tr> <td>adslot_id</td> <td>adslot</td> </tr> <tr> <td>deal_id</td> <td>advertiser</td> </tr> <tr> <td>demand_partner</td> <td>advertiser_id</td> </tr> <tr> <td>demand_partner_id*</td> <td>demand_partner_id</td> </tr> <tr> <td>format</td> <td>external_id</td> </tr> <tr> <td>parent_supply_partner</td> <td>format</td> </tr> <tr> <td>parent_deal_id</td> <td>group</td> </tr> <tr> <td>partnership</td> <td>invoice</td> </tr> <tr> <td>partnership_id</td> <td>parent_supply_partner</td> </tr> <tr> <td></td> <td>parent_deal_id</td> </tr> <tr> <td></td> <td>partnership</td> </tr> <tr> <td></td> <td>partnership_id</td> </tr> <tr> <td></td> <td>partnership_type</td> </tr> <tr> <td></td> <td>deal_id</td> </tr> <tr> <td></td> <td>site</td> </tr> <tr> <td></td> <td>ad_type</td> </tr> <tr> <td></td> <td>platform_type</td> </tr> <tr> <td></td> <td>channels</td> </tr> <tr> <td></td> <td>url</td> </tr> </tbody> </table> <p>A specific dimension can be defined only once per report template</p> <p>*demand_partner_id can only be used for filtering (see below) and requires that demand_partner is a selected dimension too!</p>	Analytics report	Revenue report	adslot	adslot_id	adslot_id	adslot	deal_id	advertiser	demand_partner	advertiser_id	demand_partner_id*	demand_partner_id	format	external_id	parent_supply_partner	format	parent_deal_id	group	partnership	invoice	partnership_id	parent_supply_partner		parent_deal_id		partnership		partnership_id		partnership_type		deal_id		site		ad_type		platform_type		channels
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Filter Object

Parameter	Type	Description										
ids	Array	<p>An array of (integer) IDs of objects that should be included in the report. Must not be defined if values is defined (see below)!</p> <p>Valid dimension names for filtering by IDs by report type:</p> <table border="1"> <thead> <tr> <th>Analytics report</th> <th>Revenue report</th> </tr> </thead> <tbody> <tr> <td>adslot_id</td> <td>adslot_id</td> </tr> <tr> <td>demand_partner_id*</td> <td>advertiser_id</td> </tr> <tr> <td>partnership_id</td> <td>demand_partner_id</td> </tr> <tr> <td></td> <td>partnership_id</td> </tr> </tbody> </table> <p>*demand_partner_id can only be used for filtering and requires that demand_partner is a selected dimension too!</p>	Analytics report	Revenue report	adslot_id	adslot_id	demand_partner_id*	advertiser_id	partnership_id	demand_partner_id		partnership_id
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partnership_id	demand_partner_id											
	partnership_id											

values	String	Supported for Analytics report only. String value that should be included in the report. Must not be defined if <code>ids</code> is defined (see above) Valid dimension names for filtering by values : <table border="1"> <thead> <tr> <th>Analytics report</th> </tr> </thead> <tbody> <tr> <td>adslot</td> </tr> <tr> <td>demand_partner</td> </tr> <tr> <td>deal_id</td> </tr> <tr> <td>partnership</td> </tr> </tbody> </table>	Analytics report	adslot	demand_partner	deal_id	partnership
Analytics report							
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Key Figure Object

Parameter	Type	Description																														
name	String	Name of the key figure <table border="1"> <thead> <tr> <th>Analytics report</th> <th>Revenue report</th> </tr> </thead> <tbody> <tr> <td>yieldprobe_requests</td> <td>impressions</td> </tr> <tr> <td>bid_requests</td> <td>revenue</td> </tr> <tr> <td>total_bids</td> <td>net_revenue</td> </tr> <tr> <td>no_bids</td> <td>video (video_starts, video_first_quartile, video_midpoint, video_third_quartile, video_complete, video_click)</td> </tr> <tr> <td>won_bids</td> <td>fallbacks</td> </tr> <tr> <td>yieldprobe_ignored_recommendations</td> <td>ecpm</td> </tr> <tr> <td>lost_bids</td> <td>net_ecpm</td> </tr> <tr> <td>bids_below_floor</td> <td></td> </tr> <tr> <td>bids_by_blocked_advertisers</td> <td></td> </tr> <tr> <td>average_bid_price</td> <td></td> </tr> <tr> <td>average_bids_below_floor</td> <td></td> </tr> <tr> <td>average_bids_by_blocked_advertiser</td> <td></td> </tr> <tr> <td>deliveries</td> <td></td> </tr> <tr> <td>loss_rate</td> <td></td> </tr> </tbody> </table> <p>A specific key figure can be defined only once per report</p> <p>yieldprobe_requests can only be requested with selected adslot dimensions (adslot, adslot_id)</p>	Analytics report	Revenue report	yieldprobe_requests	impressions	bid_requests	revenue	total_bids	net_revenue	no_bids	video (video_starts, video_first_quartile, video_midpoint, video_third_quartile, video_complete, video_click)	won_bids	fallbacks	yieldprobe_ignored_recommendations	ecpm	lost_bids	net_ecpm	bids_below_floor		bids_by_blocked_advertisers		average_bid_price		average_bids_below_floor		average_bids_by_blocked_advertiser		deliveries		loss_rate	
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Export Settings Object

Parameter	Type	Description
fileType	String	File type of the offline report, must be one of <code>csv</code> or <code>xlsx</code>
fileName	String	File name of the offline report

Example Request

```
curl -X POST -H "Content-type: application/json" \  
  -H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \  
  -d '{ "name": "my_revenue_report", "type": "revenue", "period": { "type": "last_week" }, "dimensions": [ {  
"name": "adslot" }, { "name": "advertiser" } ], "keyFigures": [ { "name": "video_click" } ], "separateBy":  
"day", "exportSettings": { "fileName": "my_report", "fileType": "xlsx" } }' \  
  https://api.yieldlab.net/supply/v1/reports/orders
```

Example Response

```
{  
  "id": "4d7f49ea-04dc-44d4-9a5a-3d9059e91929",  
  "status": "QUEUED",  
  "_links": {  
    "self": {  
      "href": "https://api.yieldlab.net/supply/v1/reports/orders/4d7f49ea-04dc-44d4-9a5a-3d9059e91929"  
    },  
    "retrieve": {  
      "href": "https://api.yieldlab.net/supply/v1/reports/4d7f49ea-04dc-44d4-9a5a-3d9059e91929"  
    }  
  }  
}
```

Getting the status of a Supply Report order

Getting the status of Supply Reports order can be done by making a HTTP GET request to the following URL (please ensure to wait at least 5 seconds after creating a report order before checking its status for the first time!):

```
https://api.yieldlab.net/supply/v1/reports/orders/{id}
```

Example Request

```
curl -X GET -H "Content-type: application/json" \  
-H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \  
https://api.yieldlab.net/supply/v1/reports/orders/4d7f49ea-04dc-44d4-9a5a-3d9059e91929
```

Example Response

```
{  
  "id": "4d7f49ea-04dc-44d4-9a5a-3d9059e91929",  
  "status": "PROCESSED",  
  "_links": {  
    "self": {  
      "href": "https://api.yieldlab.net/supply/v1/reports/orders/4d7f49ea-04dc-44d4-9a5a-3d9059e91929"  
    }  
  }  
}
```

Getting the status of all Supply Report orders

Getting status of all Supply Reports can be done by making a HTTP GET request to the following URL (please ensure to wait at least 5 seconds after creating a report order before checking its status for the first time!):

```
https://api.yieldlab.net/supply/v1/reports/orders
```

Example Request

```
curl -X GET -H "Content-type: application/json" \  
-H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \  
https://api.yieldlab.net/supply/v1/reports/orders
```

Example Response

```
{  
  "queued": [],  
  "processed": [  
    {  
      "id": "4d7f49ea-04dc-44d4-9a5a-3d9059e91929",  
      "_links": {  
        "self": {  
          "href": "https://api.yieldlab.net/supply/v1/reports/orders/4d7f49ea-04dc-44d4-9a5a-3d9059e91929"  
        },  
        "retrieve": {  
          "href": "https://api.yieldlab.net/supply/v1/reports/4d7f49ea-04dc-44d4-9a5a-3d9059e91929"  
        }  
      }  
    },  
    {  
      "id": "8af3aa83-fc12-4a7a-99f9-d20cbebcacea",  
      "_links": {  
        "self": {  
          "href": "https://api.yieldlab.net/supply/v1/reports/orders/8af3aa83-fc12-4a7a-99f9-d20cbebcacea"  
        },  
        "retrieve": {  
          "href": "https://api.yieldlab.net/supply/v1/reports/8af3aa83-fc12-4a7a-99f9-d20cbebcacea"  
        }  
      }  
    }  
  ],  
  "failed": [],  
  "_links": {  
    "self": {  
      "href": "https://api.yieldlab.net/supply/v1/reports/orders"  
    }  
  }  
}
```

Getting a Supply Report

Getting Supply Reports can be done by making a HTTP GET request to the following URL:

```
https://api.yieldlab.net/supply/v1/reports/{id}
```

Response parameters for Revenue report

Parameter	Optional	Description
start		Start date for the report (inclusive) in ISO 8601 format (YYYY-MM-DDThh:mmZ)
end		End date for the report (inclusive) in ISO 8601 format (YYYY-MM-DDThh:mmZ)
parentRevenue		Parent revenue (appears only for DirectConnect accounts)
pid		Partnership ID
did		Demand Partner ID
demandName		Demand Partner Name
tid		Demand Technology ID
technologyName		Demand Technology Name
Dimensions		
adid	X	Yieldlab adslot ID, when the <code>adslot_id</code> , <code>group</code> or <code>site</code> dimension is set
adslotId	X	Yieldlab adslot ID, when the <code>adslot_id</code> , <code>group</code> or <code>site</code> dimension is set
size	X	Size in the form "200x100", when the <code>format</code> dimension is set
groupId	X	Group ID, if available, when the <code>group</code> dimension is set
groupName	X	Group Name, if available, when the <code>group</code> dimension is set
siteId	X	Site ID, if available, when the <code>site</code> dimension is set
siteName	X	Site Name, if available, when the <code>site</code> dimension is set
extid	X	External ID, if available, when the <code>external_id</code> dimension is set
advid	X	Advertiser ID, if available, when the <code>advertiser</code> or <code>advertiser_id</code> dimension is set
adv	X	Advertiser Name, if available, when the <code>advertiser</code> or <code>advertiser_id</code> dimension is set
shareType	X	Share Type of partnership. (0: Private Auction, 1: Deal, 2: Direct Billing, 3: Adaudience), when <code>invoice</code> dimension is set
Key Figures		
pi		Partner reported impressions
pr		Partner reported revenue in millicents or max (millicents.* 1000) depending on the <code>accuracy</code> parameter setting
pnr		Partner reported net revenue in millicents or max (millicents.* 1000) depending on the <code>accuracy</code> parameter setting (after Yieldlab share)
conf		Boolean; true indicates partner revenue was confirmed, false for unconfirmed
fb		Fallbacks, if applicable. Fallback entries do not have the following optional parameters: <code>pid</code> , <code>yi</code> , <code>yr</code> , <code>pi</code> , <code>pr</code> , <code>conf</code> , <code>pclk</code> and <code>pconv</code> .
videoStarts	X	Video starts counts, when <code>video</code> key figure is set
videoFirstQuartile	X	Video played to 25% of its length counts, when <code>video</code> key figure is set
videoMidpoint	X	Video played to the midpoint of its length counts, when <code>video</code> key figure is set

videoThirdQuartile	X	Video played to 75% of its length counts, when <code>video</code> key figure is set
videoComplete	X	Video played to the end counts, when <code>video</code> key figure is set
videoClick	X	Video ad is clicked by user counts, when <code>video</code> key figure is set

Response parameters for Analytics report

Parameter	Optional	Description
start		Start date (inclusive) for the segment in ISO 8601 format (YYYY-MM-DDThh:mmZ)
end		End date (exclusive) for the segment ISO 8601 format (YYYY-MM-DDThh:mmZ). This might be later than the data actually contained within the result. For example, when requesting data from the 1st of month to the 5th of month with <code>MONTH</code> separation the segment will describe the start and end of the full month while only containing the actual data from 1st to 5th.
Dimensions		
adslotId	X	Adslot ID
adslotName	X	Adslot name
partnershipId	X	Partnership ID (<i>0 for Open Auctions</i>)
partnershipName	X	Partnership name
demandPartnerName	X	Name of Demand Partner
technologyId	X	Demand Technology ID
dealId	X	Deal ID
Key Figures		
yieldprobeRequests	X	the number of requests per Adslot that Yieldlab receives via Yieldprobe <i>Note: This field will only show up in the response if only Adslot related dimensions are requested. It won't be available if any other dimension is requested.</i>
bidRequests		bid requests
omittedBids		bids that specifically returned 0 or went unanswered without an error
bidsBelowFloor		bids below floor
blockedByAdvertiser		bids by blocked advertiser
insecureBids		insecure bids
wonBids		won bids
deliveries		deliveries
impressions		impressions
ignoredRecommendations		YP ignored recommendations
averageBidPrice		average bid price in Euro
averageBidBelowFloor		average bid below floor in Euro
averageBidBlockedByAdvertiser		average bid by blocked advertiser in Euro
totalBids		total bids
lostBids		lost bids
lossRate		loss rate (1 - impressions / deliveries)

Example Request (online report)

```
curl -X GET -H "Content-type: application/json" \  
-H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \  
https://api.yieldlab.net/supply/v1/reports/4d7f49ea-04dc-44d4-9a5a-3d9059e91929
```

Example Request (offline report)

```
curl -X GET -H "Content-type: application/json" \  
-H "X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b" \  
https://api.yieldlab.net/supply/v1/reports/4d7f49ea-04dc-44d4-9a5a-3d9059e91929 -o analytics_report.xlsx
```

Example Response for Revenue report (online report)

```
{  
  "report": [  
    {  
      "start": "2022-03-08T00:00+0100",  
      "end": "2022-03-08T23:59+0100",  
      "adid": 5094145,  
      "fb": 1,  
      "adslotId": 5094145  
    },  
    {  
      "start": "2022-03-08T00:00+0100",  
      "end": "2022-03-08T23:59+0100",  
      "adid": 5094148,  
      "fb": 1,  
      "adslotId": 5094148  
    },  
    {  
      "start": "2022-03-10T00:00+0100",  
      "end": "2022-03-10T23:59+0100",  
      "adid": 894230,  
      "fb": 1,  
      "adslotId": 894230  
    },  
    {  
      "start": "2022-03-13T00:00+0100",  
      "end": "2022-03-13T23:59+0100",  
      "adid": 894230,  
      "fb": 1,  
      "adslotId": 894230  
    }  
  ]  
}
```

Analytics Report - DEPRECATED

This API provides access to analytics data with key performance indicators, including impressions and revenues through the following URL:

```
https://api.yieldlab.net/supply/v1/analytics
```

Request Parameters

Publishers can adjust the level of reporting detail to be included in the response. More specifically, they can indicate whether a report should include fine-grained Adslot, Demand Partner or Partnership information.

Parameter	Required	Default	Description
start	X	N/A	<p>Start date for the report (inclusive)</p> <p>Report data is only available for the last 90 days! When requesting a report with a start time that is older than the last 2 hours, the start time gets rounded to the beginning of the hour (example: When it is 11:00 and the requested report has a start time of 9:15 on the same day, it will be from 9:15 onwards. If the requested report has a start time of 8:15 however, it will be rounded to 8:00).</p> <p>The time follows the ISO 8601 format (YYYY-MM-DDThh:mmZ)</p> <p>Please note: The default time zone for the ISO 8601 format is +0000! In order to accurately depict full days in local time that align with reports you might have received from Yieldlab directly, you will need to change the time zones when requesting a report accordingly. Use</p> <ul style="list-style-type: none">+0100 to represent Central European Time (CET, also referred to as winter time)+0200 to represent Central European Summer Time (CEST, also referred to as summer time or daylight saving time) <p>Example: To request a report starting 1 February 2020 and ending 30 June 2020, you will need to following settings:</p> <pre>{ "start": "2020-02-01T00:00+0100", "end": "2020-06-30T23:59+0200" }</pre>
end	X	N/A	<p>End date for the report (exclusive)</p> <p>Please note that there is a delay of 30 minutes for report data to become available, so when the end time is set to right now, the report will only contain data from up to 30 minutes ago.</p> <p>Similar to the start time, the end time gets rounded to the end of the hour if it is outside of the last 2 hour period.</p> <p>The time follows the ISO 8601 format (YYYY-MM-DDThh:mmZ). Please refer to the description of the "start" parameter above for more details.</p>
separateBy		TOTAL	<p>String indicating whether to separate daily/weekly/monthly figures or aggregate across report period</p> <p>One of: TOTAL, DAY, WEEK, MONTH</p>
requestedFields		N/A	<p>Requested fields array, one of:</p> <pre>"adslotId", "adslotName", "partnershipId", "partnershipName", "demandPartnerName", "dealId", "technologyId"</pre> <p>Specify which fields are returned. The respective field names (not their values!) must be provided as strings (see above). The data is grouped by those fields. They are optional.</p>
filteredFields		{}	<p>Fields to filter for as object. Possible Object keys:</p> <pre>"adslotIds", "partnershipIds", "demandPartnerIds"</pre> <p>Filtered fields are not automatically selected so fields can be filtered for that are not part of the result.</p> <p>Each each value is an array of possible values for the key.</p> <p>Example:</p> <pre>"filteredFields": { "adslotIds": [1,2,3], "partnershipIds": [97,98,99] }</pre>

Response

The response consists of an array of report segments, each with their own `start`, `end` and `report` fields. Per default there is only one entry in that array.

Parameter	Optional	Description
start		Start date (inclusive) for data contained in the report ISO 8601 format (YYYY-MM-DDThh:mmZ)
end		End date (exclusive) for data contained in the report ISO 8601 format (YYYY-MM-DDThh:mmZ)
report		A list of report segments described below

Report segment

Parameter	Optional	Description
start		Start date (inclusive) for the segment in ISO 8601 format (YYYY-MM-DDThh:mmZ)
end		End date (exclusive) for the segment ISO 8601 format (YYYY-MM-DDThh:mmZ). This might be later than the data actually contained within the result. For example, when requesting data from the 1st of month to the 5th of month with MONTH separation the segment will describe the start and end of the full month while only containing the actual data from 1st to 5th.
Dimensions		
adslotId	X	Adslot ID
adslotName	X	Adslot name
partnershipId	X	Partnership ID (0 for Open Auctions)
partnershipName	X	Partnership name
demandPartnerName	X	Name of Demand Partner
technologyId	X	Demand Technology ID
dealId	X	Deal ID
Key Figures		
yieldprobeRequests	X	the number of requests per Adslot that Yieldlab receives via Yieldprobe <i>Note: This field will only show up in the response if only Adslot related dimensions are requested. It won't be available if any other dimension is requested.</i>
bidRequests		bid requests
omittedBids		bids that specifically returned 0 or went unanswered without an error
bidsBelowFloor		bids below floor
blockedByAdvertiser		bids by blocked advertiser
insecureBids		insecure bids
wonBids		won bids
deliveries		deliveries
impressions		impressions
ignoredRecommendations		YP ignored recommendations
averageBidPrice		average bid price in Euro
averageBidBelowFloor		average bid below floor in Euro
averageBidBlockedByAdvertiser		average bid by blocked advertiser in Euro
totalBids		total bids
lostBids		lost bids
lossRate		loss rate (1 - impressions / deliveries)

Example Request

Adslot report (1)

```
curl -X POST -H 'Content-type: application/json' \  
  -H 'X-Auth-Token: b45eebe-0b3b-4e9d-95a2-85a71f3f93da' \  
  https://api.yieldlab.net/supply/v1/analytics \  
  -d '{"start": "2020-02-24T00:00+0100", "end": "2020-02-25T00:00+0100", "requestedFields": ["adslotName"] }'
```

Adslot/Partnership report (2)

```
curl -X POST -H 'Content-type: application/json' \  
  -H 'X-Auth-Token: b45eebe-0b3b-4e9d-95a2-85a71f3f93da' \  
  https://api.yieldlab.net/supply/v1/analytics \  
  -d '{"start": "2020-02-24T00:00+0100", "end": "2020-02-25T00:00+0100", "requestedFields": ["adslotName", "adslotId", "partnershipName", "technologyId"] }'
```

Demand Partner Report (3)

```
curl -X POST -H 'Content-type: application/json' \  
  -H 'X-Auth-Token: 6b099e72-704b-11ea-8435-24a074f2c99e' \  
  https://api.yieldlab.net/supply/v1/analytics \  
  -d '{"start": "2020-02-24T00:00+0100", "end": "2020-02-25T00:00+0100", "requestedFields": ["demandPartnerName"] }'
```

Example Response

Response (1)

```
[{
  "report": [{
    "adslotName": "example adslot 1",
    "yieldprobeRequests": 123456,
    "bidRequests": 19516489,
    "omittedBids": 19093151,
    "bidsBelowFloor": 324160,
    "blockedByAdvertiser": 17915,
    "insecureBids": 0,
    "wonBids": 18482,
    "deliveries": 18482,
    "impressions": 17906,
    "ignoredRecommendations": 0,
    "averageBidPrice": 0.39,
    "averageBidBelowFloor": 0.05,
    "averageBidBlockedByAdvertiser": 0.21,
    "totalBids": 368883,
    "lostBids": 8326,
    "lossRate": 3.12
  }, {
    "adslotName": "example adslot 2",
    "yieldprobeRequest": 123456,
    "bidRequests": 5492689,
    "omittedBids": 5404196,
    "bidsBelowFloor": 60042,
    "blockedByAdvertiser": 8155,
    "insecureBids": 0,
    "wonBids": 3389,
    "deliveries": 3389,
    "impressions": 3218,
    "ignoredRecommendations": 0,
    "averageBidPrice": 0.34,
    "averageBidBelowFloor": 0.05,
    "averageBidBlockedByAdvertiser": 0.06,
    "totalBids": 72802,
    "lostBids": 1216,
    "lossRate": 5.05
  }],
  "start": "2020-02-24T00:00+0100",
  "end": "2020-02-25T00:00+0100"
}]
```

Response (2)

```
[{
  "report": [{
    "adslotId": 3709,
    "adslotName": "example adslot 1",
    "partnershipName": "example partnership 1",
    "technologyId": 4879
  }, {
    "adslotId": 2124369,
    "adslotName": "example adslot 2",
    "partnershipName": "example partnership 2",
    "technologyId": 4879
  }],
  "bidRequests": 19516489,
  "omittedBids": 19093151,
  "bidsBelowFloor": 324160,
  "blockedByAdvertiser": 17915,
  "insecureBids": 0,
  "wonBids": 18482,
  "deliveries": 18482,
  "impressions": 17906,
  "ignoredRecommendations": 0,
  "averageBidPrice": 0.39,
  "averageBidBelowFloor": 0.05,
  "averageBidBlockedByAdvertiser": 0.21,
  "totalBids": 368883,
  "lostBids": 8326,
  "lossRate": 3.12
}, {
  "bidRequests": 5492689,
  "omittedBids": 5404196,
  "bidsBelowFloor": 60042,
  "blockedByAdvertiser": 8155,
  "insecureBids": 0,
  "wonBids": 3389,
  "deliveries": 3389,
  "impressions": 3218,
  "ignoredRecommendations": 0,
  "averageBidPrice": 0.34,
  "averageBidBelowFloor": 0.05,
  "averageBidBlockedByAdvertiser": 0.06,
  "totalBids": 72802,
  "lostBids": 1216,
  "lossRate": 5.05
}],
"start": "2020-02-24T00:00+0100",
"end": "2020-02-25T00:00+0100"
}]
```

Response (3)

```
[{
  "report": [{
    "bidRequests": 382,
    "omittedBids": 0,
    "bidsBelowFloor": 0,
    "blockedByAdvertiser": 0,
    "insecureBids": 0,
    "wonBids": 0,
    "deliveries": 0,
    "impressions": 0,
    "ignoredRecommendations": 0,
    "averageBidPrice": 1.46,
    "averageBidBelowFloor": 0.0,
    "averageBidBlockedByAdvertiser": 0.0,
    "totalBids": 382,
    "lostBids": 382,
    "lossRate": 0.0,
    "demandPartnerName": "DP1"
  }, {
    "bidRequests": 4,
    "omittedBids": 0,
    "bidsBelowFloor": 0,
    "blockedByAdvertiser": 0,
    "insecureBids": 0,
    "wonBids": 4,
    "deliveries": 4,
    "impressions": 3,
    "ignoredRecommendations": 0,
    "averageBidPrice": 1.0,
    "averageBidBelowFloor": 0.0,
    "averageBidBlockedByAdvertiser": 0.0,
    "totalBids": 4,
    "lostBids": 0,
    "lossRate": 25.0,
    "demandPartnerName": "DP2"
  }, {
    "bidRequests": 1528,
    "omittedBids": 0,
    "bidsBelowFloor": 0,
    "blockedByAdvertiser": 0,
    "insecureBids": 0,
    "wonBids": 382,
    "deliveries": 382,
    "impressions": 382,
    "ignoredRecommendations": 0,
    "averageBidPrice": 0.84,
    "averageBidBelowFloor": 0.0,
    "averageBidBlockedByAdvertiser": 0.0,
    "totalBids": 1528,
    "lostBids": 1146,
    "lossRate": 0.0,
    "demandPartnerName": "DP3"
  }],
  "start": "2020-02-24T00:00+0100",
  "end": "2020-02-25T00:00+0100"
}]
```

Error Codes

Error Code	Type	Description	HTTP Return Code
40004	REPORT_TIMEOUT	Report timeout due to large time range or extensive options.	400
40005	REPORT_INTERNAL_ERROR	Internal reporting related error	500

40006	REPORT_WRONG_TIME_RANGE	When wrong date/time range is specified for start/end request parameters (see their description)	400
40011	INVALID_REPORT_FILTER_CONTAINS_NULL	When a report filter contains a null element to filter for	400

Kpi Report - DEPRECATED

This API provides access to reporting data with key performance indicators, including impressions and revenues through the following URL:

```
https://api.yieldlab.net/supply/v1/reports/kpi
```

Request Parameters

Publishers can adjust the level of reporting detail to be included in the response. More specifically, they can indicate whether a report should include fine-grained adslot, advertiser and external ID information. It is also possible to separate the report figures on a daily basis.

Parameter	Required	Default	Description
start	X	N/A	<p>Start date for the report (inclusive)</p> <p>The time follows the ISO 8601 format (YYYY-MM-DDThh:mmZ)</p> <p>Please note: The default time zone for the ISO 8601 format is +0000! In order to accurately depict full days in local time that align with reports you might have received from Yieldlab directly, you will need to change the time zones when requesting a report accordingly. Use</p> <ul style="list-style-type: none">+0100 to represent Central European Time (CET, also referred to as winter time)+0200 to represent Central European Summer Time (CEST, also referred to as summer time or daylight saving time) <p>Example: To request a report starting 1 February 2020 and ending 30 June 2020, you will need to following settings:</p> <pre>{ "start": "2020-02-01T00:00+0100", "end": "2020-06-30T23:59+0200" }</pre>
end		Current date/time	<p>End date for the report (inclusive)</p> <p>The time follows the ISO 8601 format (YYYY-MM-DDThh:mmZ). Please refer to the description of the "start" parameter above for more details.</p>
separateBy		TOTAL	<p>String indicating whether to separate daily/weekly/monthly figures or aggregate across report period. One of: TOTAL, DAY, WEEK, MONTH</p> <p>Note: Optimization Data is only available on a daily base. Optimization Data will be expanded to a whole day when only a part of the day is requested. YL Data will be retrieved for the requested start/end time ranges, without expanding them.</p>
adslots		false	Boolean indicating whether reporting figures should be separated by adslot ID
extids		false	Boolean indicating whether reporting figures should be separated by external ID
advertisers		false	Boolean indicating whether reporting figures should be separated by advertiser
pids		<code>shareType</code>	<p>Array of partnership IDs to include in the report.</p> <p>The rest partnerships, as well as the fallbacks, will be excluded from the report.</p>
accuracy		0	<p>Integer indicating the applied accuracy when calculating revenue figures.</p> <ul style="list-style-type: none">0 = revenue in cents1 = revenue in millicents, ie 1.000 * cents2 = max accuracy, 10.000 * 1.000 * cents
video		false	Boolean indicating whether video reporting figures should be shown
shareType		false	Boolean indicating whether reporting figures should be separated by share type
sizes		false	Boolean indicating whether reporting figures should be separated by sizes
filteredFields		{}	<p>Fields to filter for as object. Possible Object keys: <code>"adslotIds"</code>, <code>"advertiserIds"</code>, <code>"partnershipIds"</code>, <code>"demandPartnerIds"</code></p> <p>Filtered fields are not automatically selected so fields can be filtered for that are not part of the result. That means that aggregation results might be different depending on the filter.</p> <p>For example if no separation (see <code>separateBy</code> parameter) is set but a filter for a certain <code>adslotId</code>: only adslots with that <code>adslotId</code> will be part of the result.</p> <p>Each each value is an array of possible values for the key.</p> <p>Example:</p> <pre>"filteredFields": { "adslotIds": [1,2,3], "partnershipIds": [97,98,99] }</pre>

Response Parameters

Parameter	Optional	Description
start		Start date for the report (inclusive) in ISO 8601 format (YYYY-MM-DDThh:mmZ)
end		End date for the report (inclusive) in ISO 8601 format (YYYY-MM-DDThh:mmZ)
parentRevenue		Parent revenue (appears only for DirectConnect accounts)
pid		Partnership ID
did		Demand Partner ID
demandName		Demand Partner Name
tid		Demand Technology ID
technologyName		Demand Technology Name
adid	X	Yieldlab adslot ID, when the adslots request option is enabled
adslotId	X	Yieldlab adslot ID, when the adslots request option is enabled
size	X	Size in the form "200x100", when the size request option is enabled
extid	X	External ID, if available, when the extids request option is enabled
advid	X	Advertiser ID, if available, when the advertisers request option is enabled
adv	X	Advertiser Name, if available, when the advertisers request option is enabled
pi	X	Partner reported impressions
pr	X	Partner reported revenue in cents, or in millicents when accuracy is true
pnr	X	Partner reported net revenue in cents, or in millicents when accuracy is true (after Yieldlab share)
conf	X	Boolean; true indicates partner revenue was confirmed, false for unconfirmed
fb	X	Fallbacks, if applicable. Fallback entries do not have the following optional parameters: pid, yi, yr, pi, pr, conf, pclk and pconv.
videoStarts	X	Video starts counts, when video is true.
videoFirstQuartile	X	Video played to 25% of its length counts, when video is true.
videoMidpoint	X	Video played to the midpoint of its length counts, when video is true.
videoThirdQuartile	X	Video played to 75% of its length counts, when video is true.
videoComplete	X	Video played to the end counts, when video is true.
videoClick	X	Video ad is clicked by user counts, when video is true.
shareType	X	Share Type of partnership. (0: Private Auction, 1: Deal, 2: Direct Billing, 3: Adaudience)

Examples

Aggregated Daily Report

Request for Aggregated Daily Report

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/reports/kpi \
      -d '{"start": "2015-11-02T00:00+0100", "end": "2015-11-04T23:59+0100", "separateBy": "DAY"}
```


Response with Aggregated Daily Report

```
{
  "report": [
    {
      "start": "2015-11-02T00:00+0100",
      "end": "2015-11-02T23:59+0100",
      "fb": 4882
    },
    {
      "start": "2015-11-03T00:00+0100",
      "end": "2015-11-03T23:59+0100",
      "fb": 7587
    },
    {
      "start": "2015-11-04T00:00+0100",
      "end": "2015-11-04T23:59+0100",
      "pid": 229674,
      "did": 1,
      "demandName": "Yieldlab Testing",
      "tid": 1,
      "technologyName": "Internal Yieldlab Demand Technology",
      "yi": 2,
      "yr": 0
    },
    {
      "start": "2015-11-04T00:00+0100",
      "end": "2015-11-04T23:59+0100",
      "fb": 4360
    }
  ]
}
```

Aggregated Daily Report with max accuracy

Request Aggregated Daily Report with max accuracy

```
curl -X POST -H 'Content-type: application/json' \
      -H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
      https://api.yieldlab.net/supply/v1/reports/kpi \
      -d '{"start": "2015-11-02T00:00+0100", "end": "2015-11-04T23:59+0100", "separateBy": "DAY", "
accuracy": 2}'
```

Response with Aggregated Daily Report Figures with max accuracy

```
{
  "report": [
    {
      "start": "2015-11-02T00:00+0100",
      "end": "2015-11-02T23:59+0100",
      "fb": 4882
    },
    {
      "start": "2015-11-03T00:00+0100",
      "end": "2015-11-03T23:59+0100",
      "fb": 7587
    },
    {
      "start": "2015-11-04T00:00+0100",
      "end": "2015-11-04T23:59+0100",
      "pid": 229674,
      "did": 1,
      "demandName": "Yieldlab Testing",
      "tid": 1,
      "technologyName": "Internal Yieldlab Demand Technology",
      "yi": 2,
      "yr": 20000
    },
    {
      "start": "2015-11-04T00:00+0100",
      "end": "2015-11-04T23:59+0100",
      "fb": 4360
    }
  ]
}
```

Error Code	Type	Description	HTTP Return Code
40004	REPORT_TIMEOUT	Report timeout due to large time range or extensive options.	400
40005	REPORT_INTERNAL_ERROR	Internal reporting related error - like impala not reachable.	500
40011	INVALID_REPORT_FILTER_CONTAINS_NULL	When a report filter contains a null element to filter for	400

Auction

Auction Information

Through this GET HTTP call, a json representation of the queried auction is returned.

```
https://api.yieldlab.net/v1/auction/{timestamp}/{tid}
```

Request Parameter

Parameter	Data Type	Description
timestamp	Number	Timestamp of auction
tid	String	Transaction ID of auction

Example Request

```
curl -X GET -H 'Content-type: application/json' \
-H 'X-Auth-Token: c7eedef5-7c6b-47fd-9a99-560d2337707b' \
https://api.yieldlab.net/v1/auction/1425653871758/5566931a-clf5-406f-b98b-487d556fa52a
```

Example Response

```
{
  "userId": "02df136e-bb24-4c0c-9178-1be737a7d0b0",
  "transactionId": "5566931a-clf5-406f-b98b-487d556fa52a",
  "currentTime": 1425653871758,
  "webSiteId": 568040,
  "supplyPartnerId": 2,
  "siteId": 136,
  "groupId": 136,
  "width": 300,
  "height": 250,
  "externalPlacementId": "",
  "referer": "http://solbox.yieldlab.lan/test.html",
  "websiteType": 0,
  "winnerCPM": 1,
  "parentAuctionWinnerCpm": 0,
  "bidResponses": [
    {
      "partnershipId": 572102,
      "demandPartnerId": 1,
      "requestTimeNanos": 337623,
      "cpm": 10,
      "dealId": "253778", # Will be absent if null or empty
      "usedCPM": 10,
      "adTag": "<img width=\"300\" height=\"250\" src=\"http://test.yieldlab.de/img/y1300x250.jpg\"/>",
      "campaignURL": "http://yieldlab.de",
      "advertiser": "yieldlab",
      "externalUserId": "",
      "winner": true,
      "ndata": null,
      "officialName": "0-DO-NOT-DELETE Yieldlab RTB Bidder (Testing)", # Will be name if officialName
      is null or empty
      "technologyId": 1,
      "processingResult": "WINNER",
      "technologyType": 1,
      "comment": null,
      "optimization": false,
      "seatId": "57169", # Will be absent if null or empty
      "multiAuctionResult": null,
      "format": 0,
    }
  ]
}
```

```

    "advertiserDomainId": 0,
    "biasedCPM": 0,
    "multiAuction": false
  }
],
"winner": {
  "partnershipId": 572102,
  "demandPartnerId": 1,
  "requestTimeNanos": 337623,
  "cpm": 10,
  "dealId": "253778",      # Will be absent if null or empty
  "usedCPM": 10,
  "adTag": "<img width=\"300\" height=\"250\" src=\"http://test.yieldlab.de/img/y1300x250.jpg\"/>",
  "campaignURL": "http://yieldlab.de",
  "advertiser": "yieldlab",
  "externalUserId": "",
  "winner": true,
  "ndata": null,
  "officialName": "0-DO-NOT-DELETE Yieldlab RTB Bidder (Testing)", # Will be name if officialName is
null or empty
  "technologyId": 1,
  "processingResult": "WINNER",
  "technologyType": 1,
  "comment": null,
  "optimization": false,
  "seatId": "57169",      # Will be absent if null or empty
  "multiAuctionResult": null,
  "format": 0,
  "advertiserDomainId": 0,
  "biasedCPM": 0,
  "multiAuction": false
},
"winnerShareType": 0,
"winnerShare": 750,
"floorPrice": 0,
"debugMessage": "",
"genericValues": {
  "ts": "1500293720277"
},
"segmentCount": 0,
"filteredBidResponses": [
]
}

```

Error Codes

In order to facilitate the troubleshooting while error or unsuccessful request, server responses along with the appropriate HTTP code, they also contain a JSON object, which describes in detail the nature of the error.

Response Parameters

Parameter	Type	Description
code	Number	Error code as described below
errorMessage	String	Error message

Generic Error Codes

Error Code	Type	Description	HTTP Return Code
0	UNKNOWN	Generic Server Error	400
00001	ACCESS_DENIED_ERROR	User is not authorized to consume the service because of this role	403
00002	INVALID_JSON_ERROR	JSON request is invalid	400
00003	INVALID_AUTH	User is not authenticated	403
00004	INVALID_REQUEST	Generic invalid input	400
00005	CONFLICT	Simultaneously processing of a resource. User should try again	409
00006	RESOURCE_NOT_FOUND	Not existing resource	404
00007	METHOD_NOT_ALLOWED	Method not allowed	405
10001	NOT_PUBLISHED	Internal application error. Mostly caused by invalid input	400
10002	INVALID_ID	Object id is not valid	400
10003	MISSING_ID	Object does not exist	400
10004	MISSING_UPDATE_FIELDS	Missing mandatory fields in request	400
10005	INVALID_PRICE	Invalid value for price objects	400
10006	MISSING_FIELD	Missing field	400
10007	DUPLICATE_NAME	Duplicate name	400
10008	INVALID_NAME	Invalid name	400
40010	DUPLICATES	Violation of unique values	400
10009	INVALID_SMART_FLOOR_PRICE	Invalid smart floor price: floor price is higher than smart floor price	400
10010	INVALID_BOTH_FIXED_AND_FLOOR_PRICE	Invalid input: cannot assign both fixed and floor price	400
10011	INVALID_CATEGORIES_CODE	Invalid input for categories code	400
40010	DUPLICATES	Violation of unique values	400
30009	INVALID_DEMANDPARTNER_FOR_GUARANTEED_PARTNERSHIP	Demandpartner does not allow deals which are required for Programmatic Guaranteed Partnerships	400
30010	INVALID_TARGETING_FORMAT	Targeting format of targeting expression is wrong	400
30011	INVALID_DEAL_DATE	Deal date is wrong	400
30012	DUPLICATE_PARTNERSHIP_DEALID	DealId already exists in a partnership for that supply partner	400
30013	INVALID_BIAS_TYPE	Bias must be an integer between 0 and 2	400

30015	INVALID_MARGIN_VALUE	Margin must be an integer between [0, 100]	400
30016	CANT_CHANGE_PARTNERSHIP_WEBSITES_FOR_DC_WITH_ENABLE_DEAL_TARGETING_DCDEAL_ACTIVE	Cannot change a partnership's websites for DC accounts with enableDealTargetingDcdeal active	400
30017	AUTOCONFIGURED_DC_PARTNERSHIP_WITHOUT_VALID_DEAL_TARGETING	Copying partnerships without targeting data is not allowed for Direct Connect accounts with active enableDealTargetingDcdeal setting	400
30018	AUTOCONFIGURED_PARTNERSHIP_CAN_ONLY_BE_DEAL_TYPE	Direct Connect accounts with active enableDealTargetingDcdeal setting must only create deal partnerships	400
40004	REPORT_TIMEOUT	Report timeout due to large time range or extensive options	400
40005	REPORT_INTERNAL_ERROR	Internal reporting related error	400
40006	REPORT_WRONG_TIME_RANGE	When wrong date/time range is specified for start/end request parameters (see their description)	400
40007	INVALID_USE_OF_SEPARATE_BY_HOUR	The option <i>Separate by hour</i> may only be used with a date range equal to or smaller than one day	400
40011	INVALID_REPORT_FILTER_CONTAINS_NULL	When a report filter contains a null element to filter for	400
50001	MISSING_GROUP_NAME	Missing Group name	400
50002	MISSING_REFERERERS	Missing referers	400
50003	DUPLICATE_GROUP_NAME	Duplicate Group name	400
50004	INVALID_REFERERER	Invalid referer	400
50005	MISSING_SITES	Missing Sites	400
50006	MISSING_GROUPS	Missing Adslot Groups	400
50007	MISSING ADSLOTS	Missing Adslots	400
50008	INVALID_REFERRER_BLOCKLIST	The referrer blocklist contains invalid referrers	400
50009	INVALID_REFERRER_ALLOWLIST	The referrer allowlist contains invalid referrers	400
50010	ADSLLOT_CREATION_NOT_ALLOWED_FOR_DC_WITH_ENABLE_DEAL_TARGETING_DCDEAL_ACTIVE	Adslots cannot be created for Direct Connect accounts with active enableDealTargetingDcdeal setting	400
50013	MULTISIZE_ADSLLOT_CREATION_IS_ALLOWED_ONLY_FOR_MAX_10_DIMENSIONS	Adslot with Multiple sizes cannot be empty and can have max. 10 specified sizes.	400
50015	MULTISIZE_ADSLLOT_SIZE_DUPLICATED	When specifying sizes for multi size adslots every size has to be unique and can not be duplicated / sent multiple times	400
50016	MULTISIZE_NOT_ALLOWED_FOR_GUARANTEED_ADSLLOT	Guaranteed adslots can only have one format	
50018	PARTNERSHIP_ACTIVE_SIZES_AMOUNT_EXCEEDED	The amount of activeSizes per Partnership is limited to 1000	400
50019	PARTNERSHIP_ACTIVE_SIZES_OVERLAP_EXIST	One or more private auctions with the same dimensions are already associated with the same demand partner and adslot	400
50020	DIMENSION_NOT_ALLOWED_FOR_SUPPLY_PARTNER	activeSizes can only be set when a connected adslot with this size exists	400
50021	PARTNERSHIP_ACTIVE_SIZES_CHANGE_NOT_ALLOWED	DC Deal Targeting is enabled and therefore no change of activeSizes is allowed	400
50022	PARTNERSHIP_ACTIVE_SIZES_CONTAIN_NULL	activeSizes array contains null value/element	400

Example Response

```
{"code":3,"errorMessage":"Failed to authenticate user"}
```

Error Codes For Operations

Along with the generic error codes, some operations could return additional error codes defining a specific error in the given context. Please check out the corresponding Error Code section of each operation.

Changelog

17.09.2024

- added geo targeting settings to partnership targeting settings

12.8.2024

- added improved and advanced time zone handling in reports

30.4.2024

- added advertiser category filtering for supply partners, adslots and partnerships
- added "videoPlacementType" (plcmt) to video adslots
- removed "optimized" flag for adslots
- added "parent_deal_id" to analytics and revenue reports
- added "separate by hour" to analytics and revenue reports
- updated "position" description for creating & updating adslots

03.11.2023

- renamed and changed filter value from whitelist to allowlist
- renamed and changed filter value from blacklist to blocklist
- added "parent_supply_partner" field to report templates
- removed "nativeDescription" field from adslots

29.08.2023

- added Native templates endpoints
- added "nativeId" parameter to adslots
- removed old reporting API endpoints

21.03.2023

- added "playbackMethod" to Adslots

27.12.2022

- corrected default value for asynchronous reporting API request parameter "accuracy"

27.09.2022

- added new fields "minBitrate", "maxBitrate" for video and audio adslots

23.08.2022

- corrected some formatting issues with the asynchronous reporting API endpoints
- corrected some asynchronous reporting API response parameters for revenue reports

11.08.2022

- added new asynchronous reporting API endpoints
- deprecated old reporting API endpoints
- added field "prebidServerImpressionExtensions" for adslots
- added field "description" for partnerships

31.08.2021

- updated code examples

29.06.2021

- added "adslots - disable adslots" endpoint

03.03.2021

- added "partnership - listing advertiser prices" endpoint

- added "partnership - updating advertiser prices" endpoint
- added activeSizes (multisize) to partnership endpoints

24.02.2021

- Marked "Listing Programmatic Guaranteed Adslots" endpoint as deprecated

16.12.2020

- added "yieldproberequests" to analytics report

30.06.2020

- added "blocked advertiser on partnership" endpoint
- added demand information to kpi report response
- added "List All Adslot" endpoint

04.02.2020

- added support for VAST 4.0
- added endpoint for Partnership - Flags

10.12.2019

- added support for multisize adslots

24.06.2019

- added field "state" for partnerships
- deprecated field "enabled" for partnerships

24.06.2019

- added auction settings
- added dv360 provider list
- added report templates
- added separateBy option for analytic reports
- added a note for separateBy behaviour for optimization data in KPI reports

09.01.2019

- added filteredFields parameter (/Reporting/Analytics Report)

05.09.2017

- added preferred deal as partnership type
- added auction information endpoint

24.01.2017

- added site, group, adslot creation
- added listing adtags

15.06.2016

- added different share types
- added programmatic guaranteed
- added targeting feature v2
- added adtag pull

04.02.2016

- New field "mimes", "protocols", "linearity", "startDelay", "api" under Listing Adslot and Updating Adslot.
- Above fields as well as "minDuration", "maxDuration" only used for video ads.
- Added "dealShare" and "directBillingShare" to Publisher > Account Details

03.09.2015

- Add forgotten response fields of Adslots list API

24.06.2015

- New field "pids" under Reporting API

06.05.2015

- Added "Demand Technologies" under Publisher Settings
- New field "technologyId" to Demand Partners