# **CTV Integration**

10/27/2025 12:13 nm FDT

#### **Overview**

We recommend that you deploy ID5 in CTV environments via a server to server integration. We do support alternative integration pathways depending on your requirements. If required, please reach out to your ID5 customer services representative.

To ensure accurate identity resolution, clients should provide signals, such as hashed emails in the request. We also expect you to store the 'signature' provided in our response on the user's device and provision it to us in future requests for the same user. This is integral to an optimal set up since it helps us re-identify consenting users even if their signals change as well as respect opt out requests.

Below are general instructions on how to retrieve an ID5 ID server-side for CTV inventory and make it available in bid requests to your demand partners. The auction should be delayed in order to retrieve the user's privacy preferences and the ID5 ID prior to sending out bid requests; the amount you delay may vary and so we recommend making it configurable for optimization purposes.

#### **Process Flow**

- 1. Check the stored cache for an available ID5 ID
  - IF there is no cached ID
     OR if the ID needs to be refreshed (we recommend a cache of 2 hours)
     OR if the user's privacy preferences have changed:
    - Initialize a new HTTP POST request to the ID5 endpoint. If you previously had a stored response for a given
      user on their device, then subsequent requests must include the "signature" as part of the request to ID5;
    - Store the response from ID5 locally (either in local storage or in a database on the server);
  - o **ELSE** if there is a valid, up-to-date value in cache:
    - Pull the latest ID5 ID response from the cache
- 2. With the ID you now have from step 1 above (from request or cache), prepare the data for the bid request.
  - o Fields that you must put in the bid request:
    - universal\_uid
    - link\_type
- 3. Include this data in each bid request to your demand partners as an eids array. For more information on how this is typically done, you can review Sending the ID5 ID to DSPs.

### **Caching the response**

The response we return for the request will need to be cached as some of the response data needs to be used in future requests for your users. Use the to parameter sent in the request in order to set a TTL for the cache refresh and a TTL for the cache deletion.

- The TTL for the cache refresh should be set to 8 hours. After the 8 hours, on the back of a user event, a new request to ID5 should be made and the cached data refreshed using the data from the API response.
- The TTL for the cache deletion should be set to 30 days. The TTL for the cache deletion should be refreshed with every response from the API. If there will not be a user event in the app, in the 30 days time window, the data should be deleted.

### **Building Server-Side Request**

#### Server-Side Fetch endpoints for CTV

**North America** 

https://na.id5-sync.com/gc/v1

Global

https://api.id5-sync.com/gc/v1

#### **Request Type**

HTTP POST with JSON body.

#### **Request Headers**

Content-Type: application/json

### **Partner Number**

The PARTNER in the request body will be an ID5-provided Partner Number. This value will be static for you once we set you up in our system. You may use the endpoint during testing with the Partner Number 173. If you haven't already been assigned a Partner Number, please contact us to request one.

# **Server-Side Request Parameters**

### **Request Body**

Name	Required	Туре	Description	Format	Example
			Timestamp in form of string which extends		
ts	Х	string	the ISO-8601 extended offset date-time format to add the time-zone yyyymmddThhmmss <ffffff>+ -hhmm</ffffff>		2013-02-0
partner	х	integer	Partner Number provided by ID5 int32		173
appid	х	string	The store ID of the app in an app store (e.g.,		
арріц	^	String	Apple App Store, Google Play).		
			The user ID provided by the OTT/OEM. This		
ottid	when available	string	will be the equivalent of an hard signal 3rd		
	avallable		party cookie.		
			The specific user id for the CTV ecosystem		
ctvid	when available	string	the user is observed in, as received by the		00000000
	avallable		CTV/OTT/Publisher provider		
ctvid_type	when	string	CTV ID type		tifa
	available	3011116	**		cird)
ver	Х		Application version		
ip	Х	string	IPv4 address closest to device	ipv4 dot-decimal	MA:II- /F O
112	v	ctring	The User Agent of the device's default		Mozilla/5.0 AppleWebl
ua	Х	string	browser		Mobile Saf
			The code pertaining to the device (i.e. TV		MODILE 341
hardware_code		string	model)		
	when		The ID5 signature from a previous call,		
signature	available	string	cached on the device or your server-side		
gdpr		integer	1 if gdpr applies to this request, 0 otherwise		
gdpr_consent		string (where applicable) the TCF compliant			
consent string or see 'allowed_vendors'		consent string or see 'allowed_vendors'			
		string	ID5 Partner identifiers (starting with 'ID5-') or		func 701
allowed_vendors		array	IAB Vendor IDs https://iabeurope.eu/vendor-		['ID5-78','
			list-tcf/ of vendors allowed to use the ID5ID US Privacy Consent		
us_privacy		string	https://docs.prebid.org/dev-		1YNN
us_privacy		301116	docs/modules/consentManagementUsp.html		211414
			The GPP section ID(s) in force for the current		
			transaction. In most cases, this field should		
			have a single section ID. In rare occasions		
gpp_sid		string	where such a single section ID can not be		6,7
			determined, the field may contain up to 2		
			values, separated by a comma. More		
			information in GPP documentation		
gpp_string		string	A valid IAB Global Privacy Platform consent		DBABzw~
			string. sha256 hash of the cleansed e-mail address.		
			Learn how to cleanse the data here		
hem		string	https://wiki.id5.io/en/identitycloud/retrieve-	sha256	f97ea86e
			id5-ids/passing-partner-data-to-id5		
phone		string	sha256 hash of the cleansed phone number	sha256	
idfv	string Apple ID for Vendors		Apple ID for Vendors	uuid	3fa85f64-
puid		string			
ipv6		string			2001:0db
country		string	Country the user is located in ISO-3166-1-alpha-2		AD
region		string	Region code using ISO-3166-2; 2-letter state code if USA ISO-3166-2; 2-letter state code if USA		
			2000 11 00/1		
				United Nations Code for Trade & Transport	
			City using United Nations Code for Trade &	United Nations Code for Trade & Transport Locations format:	
city		string	City using United Nations Code for Trade & Transport Locations format		
city		string		Locations format:	
city		string	Transport Locations format  A string representing languages accepted by	Locations format: https://unece.org/trade/uncefact/unlocode- country-subdivisions-iso-3166-2	
city accept_language		string	Transport Locations format	Locations format: https://unece.org/trade/uncefact/unlocode-	de-DE,de;

Name	Required	Type	Description	Format	Example
segments		objects array	The segment ids a user may belong to and the destination platform that the segments should be pushed to. Only certain destination platforms are supported and there are backend configurations that need to be made in both ID5's and the destination platform's systems before this feature can be used. Please reach out to your ID5 representative or contact@id5.io for more information and to get started.	Array of segment objects (see below Segment object)	[{ "destina

# Segment Object

Name	Required	Туре	Description	Example
destination	Х	string	The destination platform. Should be the IAB Vendor ID	'999'
ids	Х	string array	List of segment ids to add the user to	[ '12345', '67890' ]

# Response Body

Name	Required	Туре	Description	Format	Example
created_at	х	string	Timestamp in form of string which extends the ISO-8601 extended offset date-time format to add the time-zone	yyyymmddThhmmss <ffffff>+ - hhmm</ffffff>	2013-02- 01T12:52:34+09:00
original_uid	x	string	A 1st party user ID that will be stable for this user on the domain. This is for reference only for the publisher and should not be shared with other partners. The value will be encrypted and will change periodically even for the same user on the same domain (while the underlying value is stable). If ID5 did not have consent, then the value will be "0		
universal_uid	х	string	The UID that is to be used for sharing with other parties. The value will be encrypted and will change periodically even for the same user on the same domain. If ID5 did not have consent, then the value will be "0"		
privacy	x object privacy information (see below)		privacy information (see		
signature	х	string	ID5 Signature - a string that must be stored by the caller (cached on the device or your server-side) and sent back to ID5 on all future requests. See below for details about the Signature (see below for more details)		
ext	x	object	See below extension object		
gpld	x	string	Guarded Publisher ID (see more here)		

# **Privacy Object**

Name	Required	Туре	Description	Format	Example
jurisdiction	х	string	The legal jurisdiction applicable to the request (e.g. "gdpr", "ccpa", etc), based on the location the request was made from	enum	gdpr
id5_consent	t x boolean		Indicates if ID5 had proper consent on the request to process the user's personal data. See below for more information about how ID5 handles requests with and without consent.		

# ext Object

Name	Туре	Description	Example	
linktype	integer	See details here	1	

Name	Туре	Description	Example
code	string	A code which univocally identifies the error	- partner_id_invalid - sha256_length_invalid - request_format_invalid - user_object_invalid - internal_id5_error
message	string	Human readable message about the error	- unknown partner - failed to parse json POST - missing ua - missing ts - ts older than allowed - invalid ts format - Fetch of ID5 ID disabled, Please contact ID5 to enable it Request from a country which is disallowed. Please contact ID5 to enable it.
type	string	A code which identifies the class of error	- validation_error - invalid_request_error - authentication_error

### **Example Request**

```
curl "https://api.lid5-sync.com/gc/V1" -X POST -R 'Content-Type: application/json' -d '{
    "ts": "2023-05-19Y12:32:34+02:00",
    "partner: 173,
    "ver: "1.0",
    "lp": "4.5.8.7",
    "usr: "Moxilla/5.0 (Linux; Android 11; moto e20 Bullic/AONS31.267-88-3; wv) Appleweb/Kit/537.36 (KRTML, like Gecko) Version/4.0
    "applid": "ABCDE12345.com.example.foo",
    "gpp_sion: "2",
    "gpp_sion: "2",
    "gpp_string": "DBAA",
    "accept_language": "de-DB.de;q=0.9,en-US;q=0.8,en;q=0.7"
}*
```

### **Example Valid Response**

```
{
    "created_at": "2013-02-01712:52:34+09:00",
    "oniginal_wide: "scring",
    "universal_wide: "scring",
    "privacy:: {
     "jurisaliculor: "gapr",
     "la5_consent": true
     },
     rsignature:: "scring",
     *exc:: {
         "linktype": 0
     }
}
```

### **Example Invalid Response**

```
{
    "code": "partner_lid_invalid",
    "message": "unknown partner",
    "type": "invalid_request_erro."
}
```

### **ID5 Signature**

The ID5 Signature will be returned on every response from ID5 and contains all "user state" information necessary to support cross-domain reconciliation. As an example, this could include the following pieces of data:

- Original UID value (an encrypted first party ID for this user on this domain/publisher)
- Cookie Birthdate
- Last Seen Timestamp (from this domain/publisher)
- Current ID5 ID value (encrypted)
- Link Type

The Signature is used only by ID5 (it will be encrypted with a private key) and must be passed in every subsequent request to ID5.