Training 6: Getting it Right! (Part 2) The Do’s and Don’ts of a Vendor - Technical Integration

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AGENDA

- Introduction
- Vendor Registration
- Unpacking Consent Strings
- You May Have Missed...
- Q&A
HOW IAB TECHLAB HELPS

Engage a member community globally to develop foundational technology and standards that enable growth and trust in the digital media ecosystem.

Sharing the cost, sharing the benefits

Member-driven, member-developed

Broad availability & utility, by design

We live this – as a neutral, transparent, open-source, non-profit org
HOW IAB TECHLAB HELPS
BUT FIRST, REGISTER

https://register.consensu.org/

- Vendors should register for v2 ASAP
- No later than March 31
- Update the checkbox for operation configuration when you are technically ready to support v2
TC STRINGS & MORE

Where to get the TC String from?

Tags
- Query the TCF CMP API
  (javascript: __tcfapi(...))
- Get the TC string passed as parameter
  (${GDPR} macro and &gdpr_consent=... parameter)

OpenRTB
- 2.0 - 2.1: User.ext.gdpr / User.ext.consent
- 2.2 - 2.5: Regs.ext.gdpr / User.ext.consent
- 3.0: Regs.gdpr / User.consent

App
- Query the TCF CMP API
  (mPreferences.getString("IABTCF_TCString", "");)
TC STRINGS & MORE

Unpacking TC strings:

1. Determine the version: v1 “B” vs. v2 “C”
2. Split into segments by “.”:
   - Core String
   - (optional) Disclosed Vendors/OOB
   - (optional) Allowed Vendors/OOB
   - (optional) Publisher TC
3. Unpack each segment separate, same bit encoding logic as TCF v1, but with different fields (next side)
4. Fields to put attention on:
   - IsServiceSpecific -> which segments may be used
   - Segment type -> how to decode the rest of the segment
Decoding of TC strings

1. Decode TC string from base64(websafe) to bytes
2. Decode bytes to bits
3. Read bits from left to right according to TC spec:
   - First 6 bits = version field
   - Next 36 bits = created field
   - Next 36 bits = last updated field
   - ...
4. Convert each field based on the expected output type (bool, int, string, bit list, …)

Hint: Some sections are optional (e.g. restrictions) or conditional to other fields (e.g. vendor consent). Some sections contain repeated fields based on another field (e.g. range encoding of vendor consent).
Understanding TC String data
In order to understand if consent/LI is given for a vendor for a purpose:

1. Check publisher restrictions (vendor allowed? consent/LI allowed?)
2. Check GVL if vendor has flexible legal basis
3. Check purpose consent and/or purpose LI
4. Check purpose 1 treatment and publisher cc (only for purpose 1)
5. Check vendor consent and/or vendor LI
6. Check OOB sections if you want to make use of it (optional, if you are the vendor) (Vendor disclosed? Vendor restricted?)

Consult with your lawyer!
Vendors must discard TC Strings with invalid CMPs ids

- Check using the Global CMP List (GCL):
  - https://cmplist.consensu.org/cmp-list.json (v1)
  - https://cmplist.consensu.org/v2/cmp-list.json (v2 - available soon)

- Discard the TC String and do not pass it downstream if:
  - The CMP id is not present in the GCL (e.g. CMP id 0)
  - The CMP has a deletedDate set and the TC String was created after that date (e.g. CMP id 1)
YOU MAY HAVE MISSED...
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- Macro Changes
- API Changes
- Global Vendor List (GVL) and Global CMP List (GCL)
16 (17). A Vendor must not transmit personal data to another Vendor unless the Framework’s Signals show that the receiving Vendor has a Legal Basis for the processing of the personal data. For the avoidance of doubt, a Vendor may in addition choose not to transmit any data to another Vendor for any reason.
Macros

- Unchanged:
  - ${GDPR}
  - ${GDPR_PD}
- Changed:
  - ${GDPR_CONSENT_XXX}
API Changes

- Name Changes
  - __cmp* -> __tcfapi*

- Data Changes
  - vendorConsents/Data -> TCData

- Removals
  - getConsentData
  - getPublisherConsents

- PingReturn
  - New Properties
API Changes

- Events
  - tcloaded
  - cmpuishown
  - useractioncomplete
The Global Vendor List (GVL) & Global CMP List (GCL)

- **Strict cache requirements**
  - Cache-control headers must be honoured
  - Cache currently set to 7 days = 1 request per vendor per week

- **GVL archives may be cached indefinitely**

- **Monitoring**
  - Access will be blocked for IPs making too many requests