Assessing the GDPR’s Effectiveness in Preventing Privacy Infringements from Cross-Border Data Transfers

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Motivation

As its data flows grow, Google lobbies for quick fix to EU-US transfers

The biggest GDPR fines of 2020, 2021, and 2022 (so far)

Challenges and Current Approach

- Need to know:
  - URL (domains) that serve content
  - IP-level routes to reach content sources
  - Physical location of responding server (and intermediate routers?)

Servers in Non-Adequate Countries

Source-Destination Pairs

Methodology

Initial Domains

BrightData

Top Site Queries

Extract FQDNs

Univ. Servers

Verify BrightData

Tracert Tracers

ONU Resource

IPGeo

ASCPs

Geolocation

SOL Constraints

High confidence: speed of light constraints