Pseudonymization / Anonymization

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Session Reasoning & Layout

• GDPR is looming around the corner (May 2018!)
• It will affect the way we collect / archive data
  – Many applications will probably become illegal
  – Logfiles?
  – ENTRADA?
  – Passive DNS
• IP-Adresses are PII data!
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Primer: ENTRADA Privacy Framework & current work
Discussion guideline

• How can we modify data so that collection / storage remains legal
• IP address:
  – Truncate (v4 to /24 ?, v6 to /56 (??))
  – Pseudonymize (192.168.1.TRF)
    Anonymize (remove post classification to AS / Geolocation?)
• Other elements?
  – QNAME
  – Domainname (!)
  – ?
Discussion questions

• What are you planning to do to keep your (DNS) log collection legal?

• Are you planning to „throw away“ data more aggressively?

• Which methods of „data mutilation“ (Pseudonymize / Anonymize) have you come up with?

• Which „non-technical“ measures are you performing?