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Taking the High Route

an approach to accommodate value based routing
Infrastructure sets the invisible rules that govern the spaces of our everyday lives

- Keller Easterling
The Tussle

different stakeholders that are part of the Internet milieu have interests that may be adverse

[...] accommodates this tussle is crucial to the evolution of the network’s technical architecture.

- Clarke, Wroclawski, Sollins, Braden (2005)
Routing decisions are currently made based on a mixture of efficiency, trust, and economics.

-Ashwin Mathew
“A right masterful and scholarly volume on the design of the Internet and its possible alternatives. A key leader in the design and implementation of the Internet, Clark offers insights on design that are deep and satisfying. A wonderful blend of history, technology, and future design thinking!”
—VINT CERF, INTERNET PIONEER

DESIGNING AN INTERNET  DAVID D. CLARK
Expressive Power and Per-Hop Behavior

- Alignment of interest
  - Capture relationship
- Delivery
  - What will be done with the packet?
- Parameterization
  - Execution of specific PHB
What values to express?

- Relevant
- Applicable
- Existing framework
- Transnational
General Data Protection Regulation

- EU law on data protection and privacy
- Unifies data regulation across the EU
- Applicable for inhabitants of the EU and EU citizens
- Addresses export of personal data outside of the EU and EEA
UNITED NATIONS GUIDING PRINCIPLES ON BUSINESS & HUMAN RIGHTS
UN Guiding Principles for Business and Human Rights

- Human rights: globally most accepted norm, since 1947
- For companies: responsibility to respect human rights
- Outlines a full framework which addresses policies, assessment, mitigations, and redress
Proposal: introduction of two objects to RIPE database

as-set: AS-GDPR

remarks: members of this set declare to be compliant with the General Data Protection Regulation of the European Union

mbrs-by-ref: ANY

as-set: AS-UNGP

remarks: members of this set declare to have adopted and implemented the United Nations Guiding Principles on Business and Human Rights

mbrs-by-ref: ANY
Questions:

• Can this be done with the RIPE database?
• Are these the right values?
• Is this a model you would use?
• Are there better models to accommodate different values in a transparent, flexible, iterative, manner?
if write code(protocols):
    consider human rights implications
elif run internet infrastructure:
    respect human rights
elif engage in internet governance:
    build in human rights protections
else
    carry on and use FLOSS
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Slide 1: Eduardo Martínez http://edunez.tumblr.com/


Slide 10: codeburst.io https://codeburst.io/gdpr-all-you-need-to-know-to-be-compliant-5f377dbff68a

Slide 12: Business and Human Rights Resource Centre