

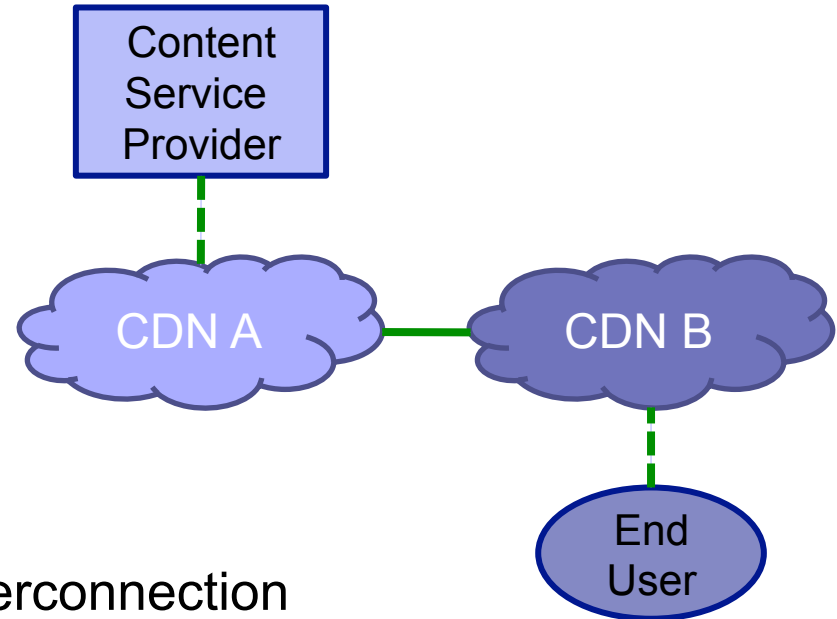
BoF CDNI
IETF80 – Prague

Content Distribution Network Interconnection (CDNI)
Experiments

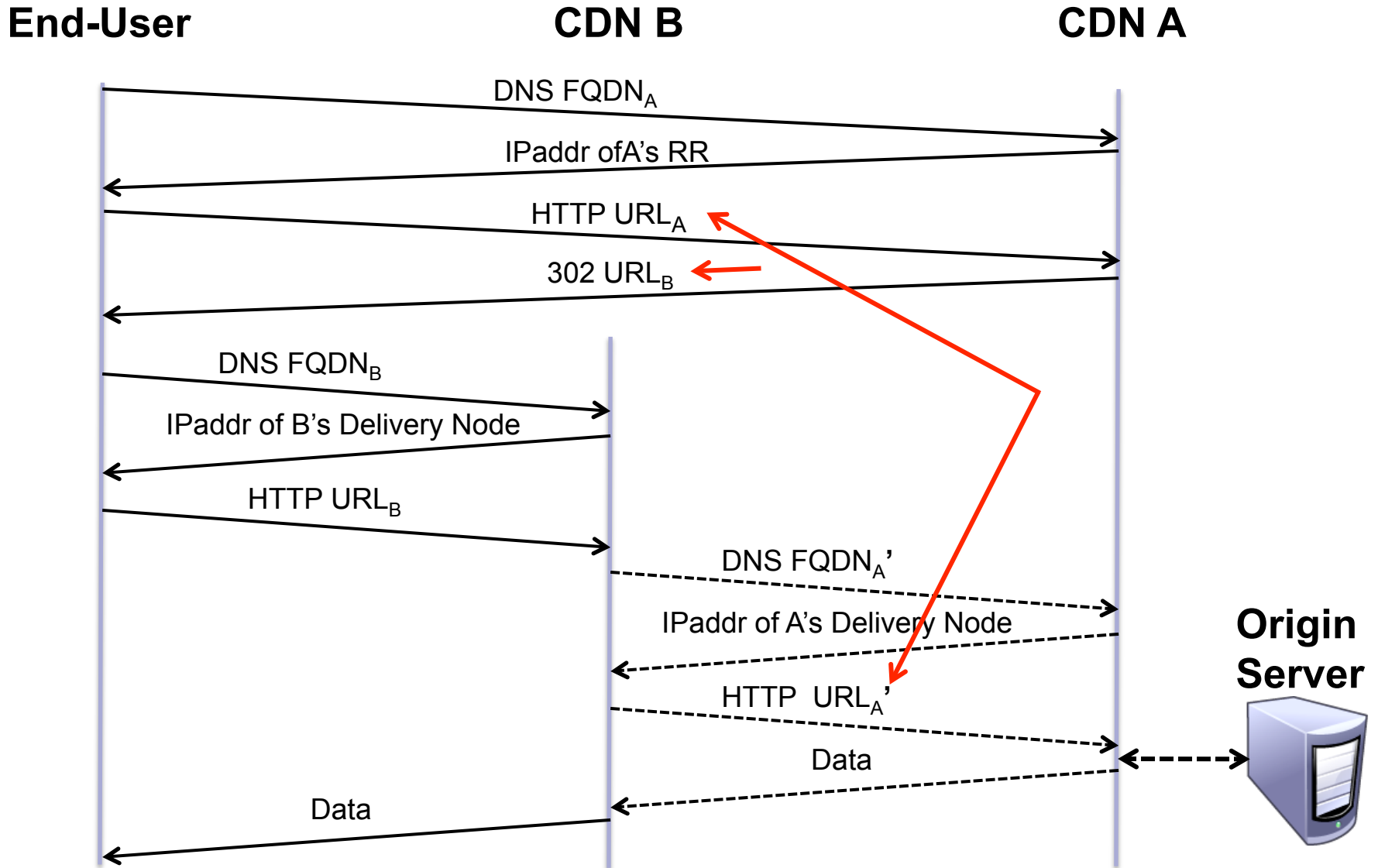
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Setting

- Two Network Operators
 - France Telecom (FT)
 - Polish Telecom (TP)
- Two CDN Vendors
 - Cisco
 - Verivue
- Objectives
 - Demonstrate simple CDN Interconnection
 - Discover what we don't know
- Limited Scope
 - Request Routing and Content Acquisition
 - Metadata configured manually



Request Routing



Lessons

- Nothing beats experience building and using a system
 - Implementing introduces practical trade-offs into the design
 - Implementing encourages feature-prioritization
- Feasibility demonstrated with...
 - In-band signaling using existing protocols (HTTP & DNS)
 - Minimal metadata and maximal CDN opaqueness
- We've only scratched the surface
 - Many features not yet explored (e.g., purge, reporting)
 - Relied on assumptions and conventions in lieu of standards