Infrastructure Working Group

Infrastructure vs. Services

Service

Security | Authentication | Authentication

Infrastructure
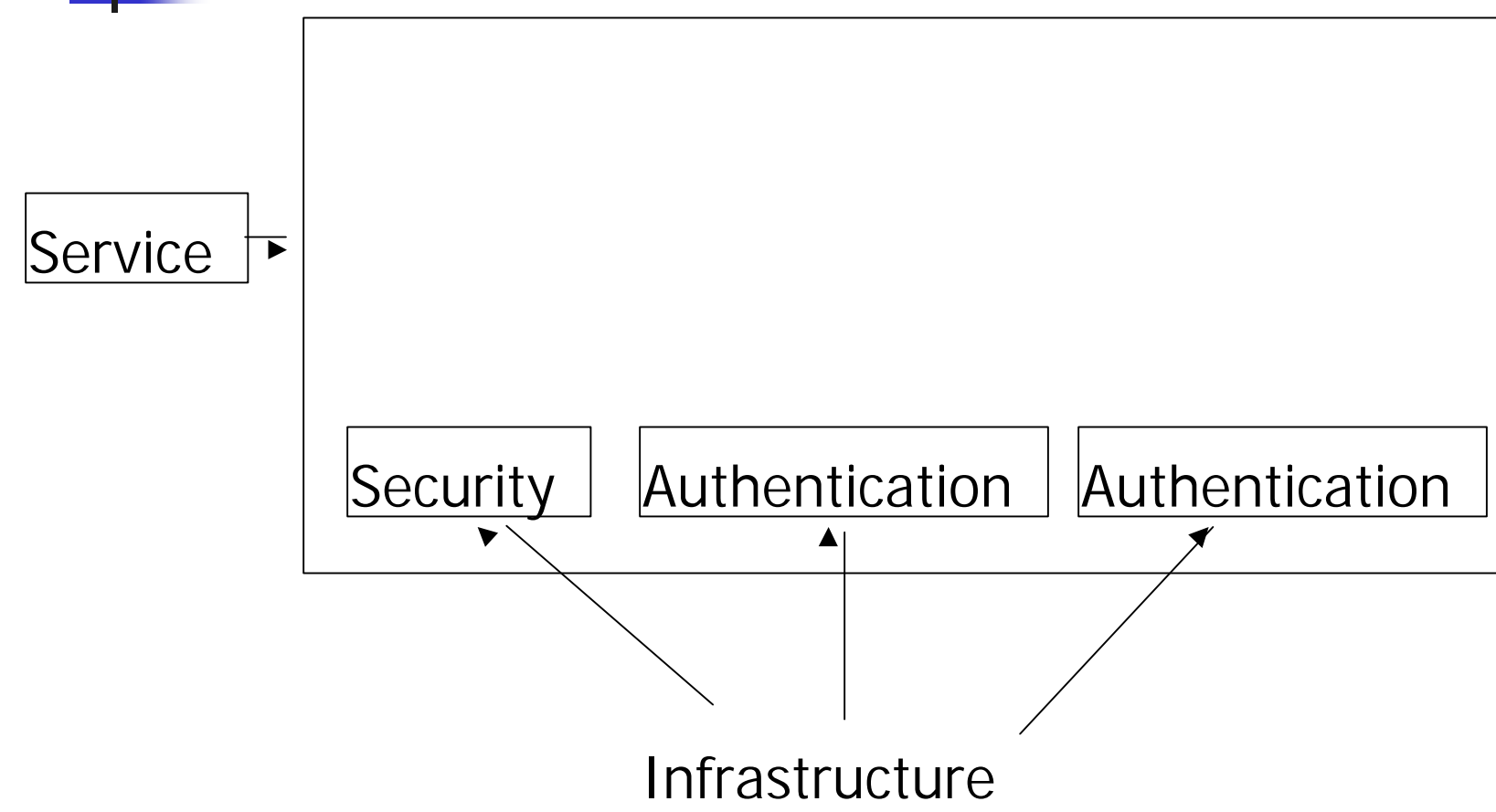
Processing Model

- Storage, Optimization, Query
- Distribution

Security of Web Services

Systems for more exposed:

- Confidentiality
- Safety
- Policy
- Privacy

Trust

- Model of trust
  - Symbolic trust (proofs, logic)
  - Subsymbolic (ebay, epinions)

Transformation

- Syntactic transformations (structure)
- Semantic transformations (ontology)
- Transformation services (mediators)
- Library of transformations (shared repository)
- Properties of transformations
- Merge and articulation

Localization and Identification

- Identity of objects (on the web)
- How to establish object identity? (different URI for same object)
- Malicious use of the same URI different things
- Link to other naming models (e.g., TopicMaps)

Relationships

- Databases
- W3C
- Agents
- Web security

Recommendations

- Encourage Open Source development of high quality components (aka Apache) (Technology Transition!)
  - Software
  - Ontologies (maybe?)
- Non-commercial organization for development software development (aka Apache.org)

New Approach to Technology Transfer for Funding Organizations!