



# Future Internet Scalable Data and Service Infrastructures

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# Scalable Data & Service Infrastructures

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- Future Internet Services demand:
  - Scalable and elastic service architectures and algorithms for massive
    - service delivery
    - data storage/retrieval
- Intended for
  - Cloud computing
  - P2P (peer to peer) data delivery
  - New types of distributed data infrastructures



# Open Standards & Architectures

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- Priority should be given to development of open standards and architectures which remove existing walled gardens and enable a wider competition.
- Europe can play a significant role because it is one of the best ecosystems for standards development due to the high diversity in countries and cultures.



# Focus on transactional nature of Internet

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- Scalable content delivery protocols, networks or overlays must provide
  - content integrity, security, digital identity with single sign-on, undeniable authorship and ownership, IPR management, trust, effective traffic and bandwidth use optimization, as well as models for the social nature of interactions and transaction.