Towards a New Generation of HTTP

Workshop Report
Rohit Khare, with Jim Whitehead and Henrik Frystyk Nielsen

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Charting the Future of HTTP

- Why hold this workshop?
- Who participated?
- What concerns were raised?
- Which forks are being taken?
- What are the next steps?
Why hold this workshop?

- Bringing communities together
  - HTTP/1.X, OORPC, Hypermedia, Wireless...
- Neutral forum
  - WWW7 not a standards-forum debate
- Emerging into public view
  - HTTP/1.X development “over”
  - WEVOL effort “in progress”
  - W3C -NG project “imminent”
Who participated?

- 20 folks from W3C, industry, academia
- 6 position papers/talks
What concerns were raised?

- Performance
  - On-the-wire, above-the-wire, footprint
- Programmability
  - New methods, resources, transactions
- Hypermedia Application Services
  - Namespace mgmt, notifications, multimedia
- Deployment
  - Upgrade strategy, ‘killer app’, standards
Which forks are being taken?

- Evolvability is the key concern
- It’s messaging middleware and an RPC...
  - The Classic Web Application (core user exp)
    - The Next Web Application? (locking, namespaces)
  - Marshalling format / wire protocol
  - Transport optimizations
- Need to stop reinventing protocols!
  - Try to help designers; the XML of Layer 7...
What are the next steps?

- HTTP-Future Mailing List
  - http-future@w3.org mailing list
  - Protocol Design Group (Members-only)
    - July project report, possible August IETF

- Workshop Report
  - Proceedings as UCI Tech Report
    - (this talk will be available at that url)