Constrained Application Protocol

draft-ietf-core-coap-07

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Recent Progress

• Two new document versions since Prague
• Closed 21 tickets
• Use by other SDOs
  – ETSI M2M has approved a CoAP binding
  – ZigBee SE2 exploring the use of CoAP
• Recent CoAP tools
  – Copper – The CoAP Firefox Plug-in
  – CoAP support for Wireshark
Main Editorial Improvements

• Improved the UTF-8 language (#136)
• Added text on message and token matching rules (#151)
• Indicated DTLS as mandatory to implement security (#156)
• Further congestion control recommendations were added (#153)
• First-come-first-served policy for 2-byte media type registry added (#161)
Main Technical Improvements

- 50% jitter added on initial retransmit timeout (#142)
- HTTP mapping section completed (#137, #164)
- Added If-Match and If-None-Match options (#155)
- Added an Accept option for content-negotiation (#163)
- Added a coaps scheme and DTLS-secured CoAP default port (#154)
Content-Type Negotiation

• New Accept option
  – Elective
  – Multiple allowed, in order of preference
  – Server SHOULD return one of the Accept media types if available

• Proposal from Matthias and Guido:
  – Only allow a single Accept option
Next Steps

- WGLC?