The K-Check Protocol for HTTP Resource Consistency

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Checking Resource Consistency with HTTP Mirrors

Updates Since 117

- Simplified consistency checking algorithm to one invocation

  - Applications are free to use multiple and decide appropriate failure behavior

- Clarified client behavior when an inconsistency with mirror is discovered

- Described validity period of a successful check, and re-checking behavior

Known Remaining Work Items

- Batched Consistency Checks (#7)

  - Leave to the individual application profile, unless enough different uses.

- Refine wording around various issues

  - Timing Attacks (#14)

  - application policy and behavior recommendations (#5, #8)

  - Implications of using multiple mirrors (#15)

Next Steps

- Call for adoption by the group

- Fix the remaining known issues