

NTPv4 Protocol Draft

draft-ietf-ntp-ntp-v4-protocol-02

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NTPv4 Protocol Specification – Document Status

- New revision at:

<http://www.innovationslab.net/~brian/drafts/draft-ietf-ntp-ntpv4-proto-02.txt>

- Numerous changes since -01
 - Removal of unnecessary and inappropriate text
 - Addition of clarifying material

NTPv4 Protocol Specification – Updates

- Removal of ‘NTP Security’ section text
 - Removal of AutoKey material
 - Optional authentication field now a placeholder for TBD method
- Additional text on symmetric peer operations
- Removal of implementation-specific text
 - Removal of ‘Other Considerations’ section
 - Portions pulled into appropriate field description sections
- Updated figure showing different timestamp formats
- Additional discussion of protocol operation and relationship to NTP algorithms and NTP state variables
- Correction of field range values
- Updated references (RFC 4330 published)
- Incorporation of comments from D. Mills

NTPv4 Protocol Specification – To Do

- Document NTPv4 Extensions
 - Definition of extension fields
 - Description of already-defined extensions
- Determine what elements should be IANA managed
 - Reference IDs?
 - Kiss codes?
 - Other?
- Guidance on poll interval
 - Currently: minimum of (TBD) seconds

NTPv4 Protocol Specification – To Do (continued)

- Identify way forward for optional authentication field and coupling with extension fields
 - Authentication field mandatory when extensions are present
- Copyedit for overall cohesion

NTPv4 Protocol Specification – Way Forward

- Goal is to move this document to WG Last Call in near future
- Review and feedback/input by WG members is ***critical***
 - Thus far, comments from two individuals
 - ***Please*** review and comment!