

Traceroute Measurements Information Model and XML Data Model

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State of current draft

- First version as a WG document (draft-ietf-ippm-storetracerooutes-00)
 - it was draft-niccolini-ippm-storetracerooutes-03
- Definition of Information elements complete
- XML data model (XML schema) complete
- Open issues left
 - Create a section where conflicts and differences to revision of RFC 2925 are listed
 - Explicitly state consistency with revision of RFC 2925

Technical Issues addressed in this version

- metadata/data separation in the traceRoute element
 - now supports different combinations of data and meta-data
- element traceRouteResultsProbeRoundTripTime updated
 - value is reported as the truncation of the number reported by the traceroute tool (the output "<1 ms" is encoded as 0 ms)
 - a string value of "RoundTripTimeNotAvailable" means either the probe was lost because of a timeout or it was not possible to transmit a probe
- Added specification of OS versions covered in section 2
 - Added BSD OS
- Adding MPLS label and AS number as optional probe results

Editorial Issues addressed in this version

- Updated title and text of the draft
 - the actual schema can be used not only to store traceroute measurements but also to request/configure a measurement
- Description for ResultsProbeHopIndex rewritten to have it more clear
- Improved section on metrics considerations
 - now inside section “Known Problems with Traceroute” as “Accuracy of Results”
 - specifications both of the operating system (name and version) and of the traceroute tool version are added to the metadata elements in order to help in comparing metrics
- Improved section on security considerations
- IANA considerations almost complete
- Normative and informational references separated

Next Steps

- Internet draft covering conflicts and differences to revision of RFC 2925
- Test semantically the correctness of schema with traceroute results
- Expected to be ready for WG last call
- GGF roadmap not clear
 - to be investigated by GGF document editor