Precision Availability Metrics for SLO-Governed End-to-end Services

draft-ietf-ippm-pam

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IETF-117, July 2023
Precision Availability Metrics

• Observation #1: SLOs are key – you need to count what counts
  – Critical performance metrics reflected a set of SLOs
  – In some use cases, the complete history of each SLO is not needed
  – Capturing violations (and asserting their absence) is often sufficient (and more efficient to retain)

• Observation #2: Analogy between service and system failures
  – Inability to deliver contracted SLOs is a failure
  – Precision Availability is a form of availability

(of course, these matter too)
Update

• Addressed comments by Bjørn Ivar Teigen and Christian Jacquenet:
  – clarification of the histogram metrics for PAM
  – the term "compliance" throughout is replaced with "accordance"
  – removed reference to percentiles, leave “percentage of packets”

• Editorial updates
Discussion items

Future work, new documents (outside scope here):
• IPFIX Informational Elements - draft-clemm-opsawg-pam-ipfix
Next steps

- We’ve had some good reviews and updated the draft
- We always welcome more comments
- The authors think this work is complete
- It is time for WGLC

Thank you!