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Hybrid message pessimistic logging. Improving current pessimistic message logging protocols

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Highlights

- A low overhead Hybrid Message Pessimistic Logging (HM_{PL}) protocol is presented
- The HM_{PL} focus on providing fast recovery with low failure-free overhead
- A temporal buffer in senders is used to reduce penalties in critical paths
- A detailed comparison of the HM_{PL} with a classic receiver-based logging is presented
- Overhead reductions up to 34% in failure-free and 20% in faulty executions

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