

perfSONAR Roadmap Update

May 7, 2026

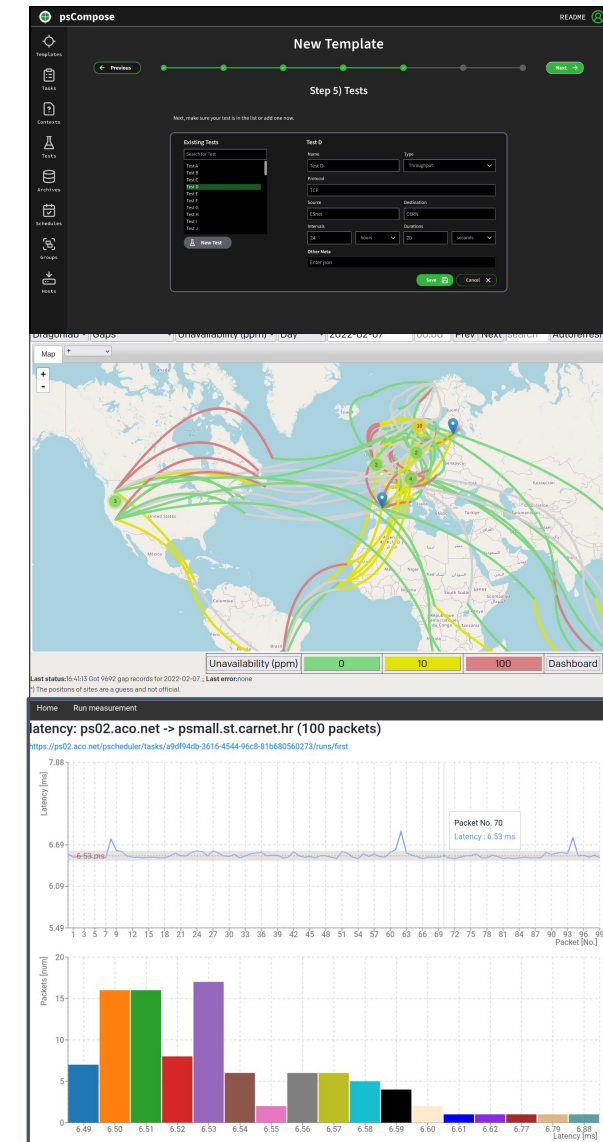
Andy Lake, ESnet

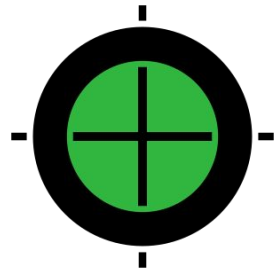
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New feature in 5.3

- **pSCompose** - New test configuration UI
- **Micro-dependency analysis** - Analysis tools that provide new insight into latency and traceroute data
- **pS GUI** - On-demand test UI for pScheduler
- **Updated Lookup Service API**- Making it easier to find perfSONAR services





What happens after 5.3.0?

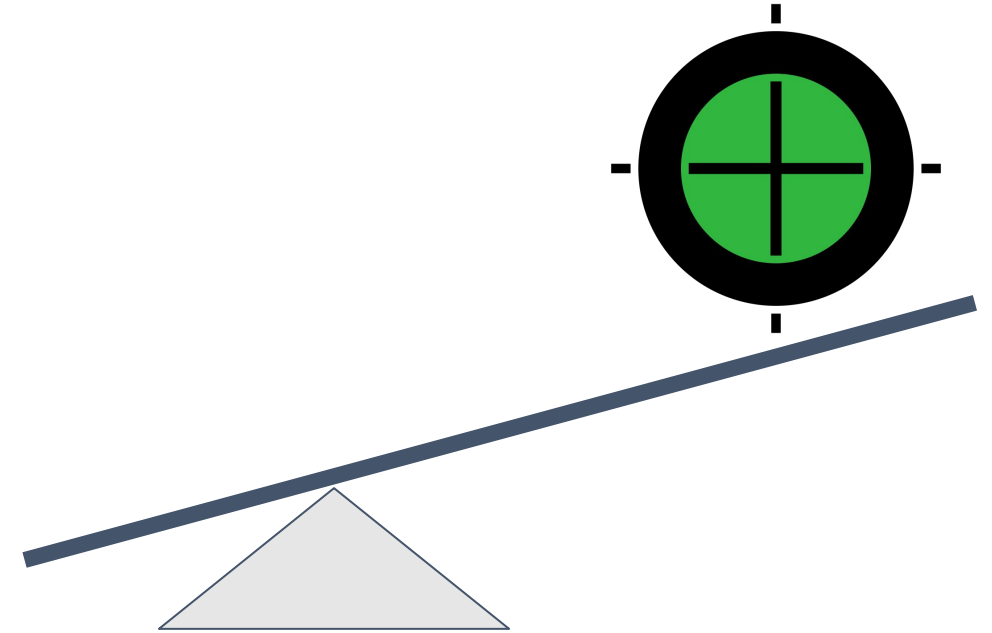
Desire for Stability

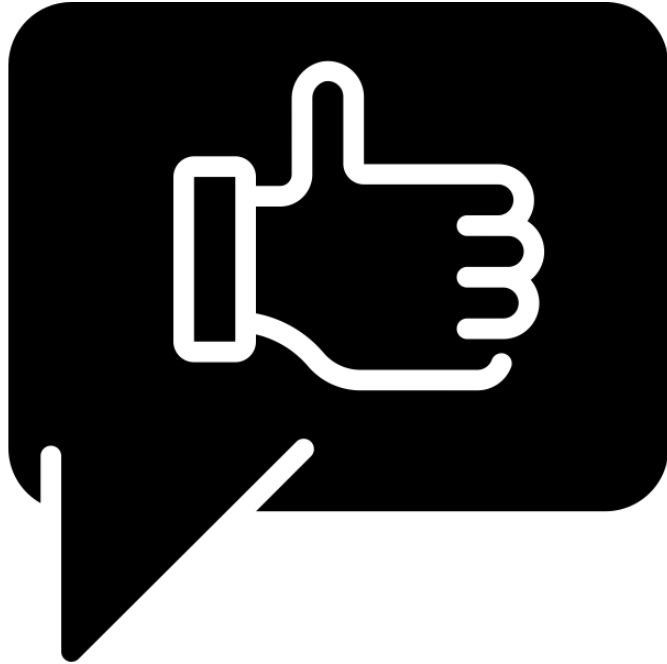
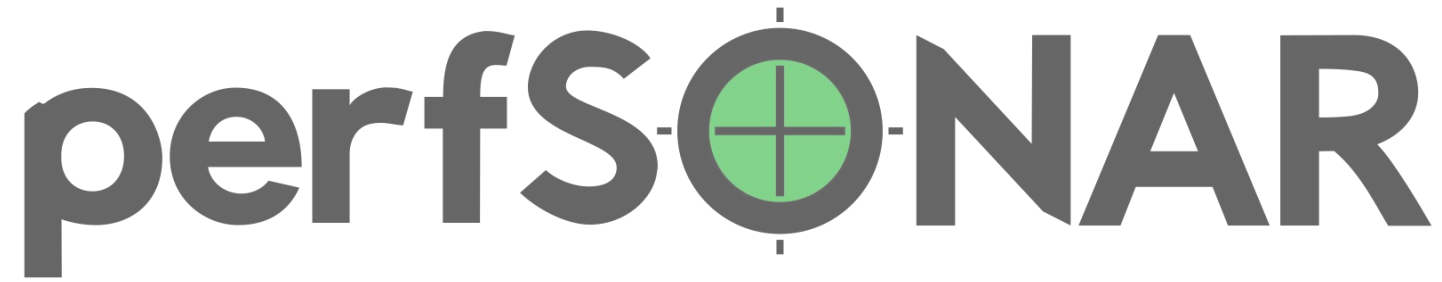
- Latest survey indicates a **desire for stability** after a few years of systematically replacing core components
- This doesn't mean we don't add anything new, but focus on:
 - Refining existing components
 - Filling-out documentation, updated trainings
 - Updating dev processes, make sure we are being responsive to users
 - Building on top of foundation, not replacing the foundation



Leverage the changes of the last few years

- The changes we've made open up many new possibilities in
 - Alerting
 - Analysis
 - Visualization
 - Correlation with other data (e.g. Flow, SNMP/Streaming telemetry)
- Explore ways to enable researchers to use the data e.g. perfSONAR MCP server





Thanks icon by priyanka from The Noun Project

Thanks!

For more information,
please visit our website:
<https://www.perfsonar.net>

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