

# Simple Lookup Service (for perfSONAR and beyond...)



Speaker: Sowmya Balasubramanian, ESnet (sowmya@es.net)

## Design Goals

- 1 To meet the needs of growing perfSONAR community
  - Use cases and design review driven by perfSONAR community
- 2 Simple API
- 3 Extend to non-perfsonar services
- 4 Security

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## Design

- 1 REST/JSON API
- 2 Backend: MongoDB
- 3 Flexible architecture
  - 1 Allows scaling up or down
  - 2 Security layer

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## Result

- New LS is **~95% faster** than old LS

Try it now: <http://ps4.es.net:8085/lookup/services>  
( *All you need is a web browser!* )