Definition

• The platform consisting of:
  • Low-cost hardware nodes with pre-installed perfSONAR software
  • Central components including a central Measurement Archive (MA) and a Dashboard
Users

• Nodes are deployed and hosted in GÉANT collaborating organisations in Europe and Africa

• Anyone accessing Dashboard, individuals making tests as with any other perfSONAR node

• Privileged users (hosting organizations) for setting regular tests and having access to CLI
How does it work?

• Coupled with GÉANT MPs to create a partial mesh for regular testing
  • Throughput, latency, loss, RTT, traceroute, HTTP request time, DNS query time

• Central components operated and maintained by the GÉANT project
  • Central MA, Maddash, Grafana-based infrastructure monitoring, automation with Ansible, support
Added value

- Regular testing between NRENs and GÉANT
- Use multiple network metrics
- Access historical measurement results
- Configure your own local tests in GUI

Play and learn
- Run CLI tests from/to nodes
- Extend with more nodes
- Implement your ideas
Service onboarding

Public access

• Maddash for historical graphs
  • [https://pmp-central.geant.org/maddash-webui/](https://pmp-central.geant.org/maddash-webui/)
• Endpoint for a typical perfSONAR ad-hoc tests
• Endpoint for a regular test dst / src

Node deployment

• Part of the regular mesh (1st or 2nd tier)
• Administrative access to local GUI and CLI
  • Own tests configuration
• Deployment and operation suport
Thank you

Any questions?

www.geant.org
The scientific work is published for the realization of the international project co-financed by Polish Ministry of Science and Higher Education in the years 2019 - 2022 from financial resources of the programme entitled "PMW"; Agreement No. 5023/H2020/2019/2