perfSONAR in PSNC
ASTRON perfSONAR training
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PIONIER NREN

- Polish NREN
  - 21 MANs
  - International connectivity
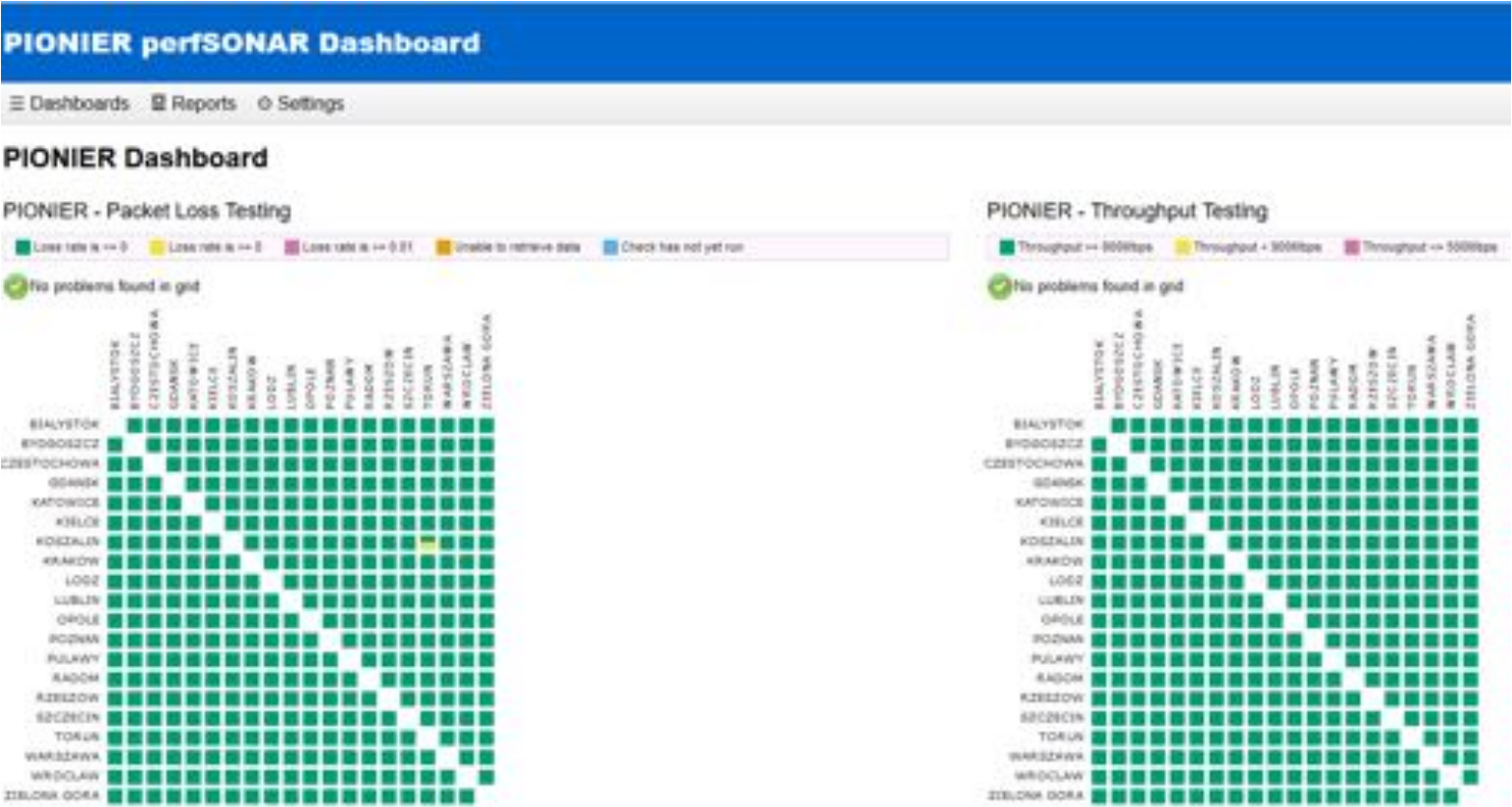 - 5 HPCs

- PSNC operates and manages
- 24/7 NOC

PIONIER perfSONAR deployment

- Juniper MX switch at each MAN PoP
- perfSONAR instances in all nodes
  - Dell servers with 10GE interface
  - Connected to MX switch
  - Measuring loss and throughput
  - Full mesh
- Data exported to central server in Poznań for archiving and presentation (dashboard)

- Additional servers with VMs

PIONIER perfSONAR deployment (dashboard)

Next steps

- Challenges
  - Update / upgrade

- Plans
  - More instances
    - Border
    - Metro

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