

# Internet2 Community Measurement, Metrics and Telemetry Project

Basic Monitoring of the Research and Education Infrastructure - Science DMZ to Science DMZ

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Original Google Doc link: [Internet2 Community Measurement, Metrics, and Telemetry Project Information](#)

## Project Scope Document

[Community Metrics and Telemetry Phase 1 Project Description](#)

## Measurement Templates (Working Copies)

<https://drive.google.com/drive/folders/1L-RYril6u4AvBeY6NlvyYYalNRpjByA?usp=sharing>

## Email List:

Mailing list for the project subgroup, info is at

<https://lists.internet2.edu/sympa/info/wg-perf-telemetry>

## How do I get my Science DMZ, Regional, or NREN involved?

Step 1: Join the growing list of pilots! Drop a note to the [project list](#) or to daldoyle <at>globalnoc.iu.edu, or joe.breen <at> utah.edu

Step 2: Decide what data are you willing to share

Step 3: (include Quilt info, ) interfaces

Step 4: Decide how you would like to share your data:

- Direct polling of your gear by IU GRNOC
- Download and run a local telegraf container that polls devices locally via SNMP and streams data back to the Internet2 Time Series Database:  
<https://github.com/GlobalNOC/tsds-telegraf/pkgs/container/tsds-telegraf>
- Setup devices to stream telemetry to a local telegraf container that aggregates and streams data back to the Internet2 Time Series Database:  
<https://github.com/GlobalNOC/tsds-telegraf/pkgs/container/tsds-telegraf>

Step 5: See your data in action!

- Augmented TraceRoute - <https://atr.grnoc.iu.edu>
- Global Research Map: <https://globalresearchmap.org>
- [https://tsds.wash2.net.internet2.edu/community/?method=browse&measurement\\_type=interface](https://tsds.wash2.net.internet2.edu/community/?method=browse&measurement_type=interface)

Step 6: use the data / plug in your tool here

## Frequently Asked Questions