Instrumenting PlanetLab

(as opposed to using PlanetLab to instrument the Internet)

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Instrumenting PlanetLab

- We collect lots of data
  - PLC Database – tracks system's authoritative state
  - CoMon – monitors node and slice behavior
  - PlanetFlow – audits network traffic
  - Chopstix – profiles low-level system performance
- This data is used for lots of purposes
  - Operations & Maintenance
  - Researcher Support
    - Discover resources
    - Monitor experiment (Service O&M)
    - Troubleshoot failures
  - Measurement Studies