

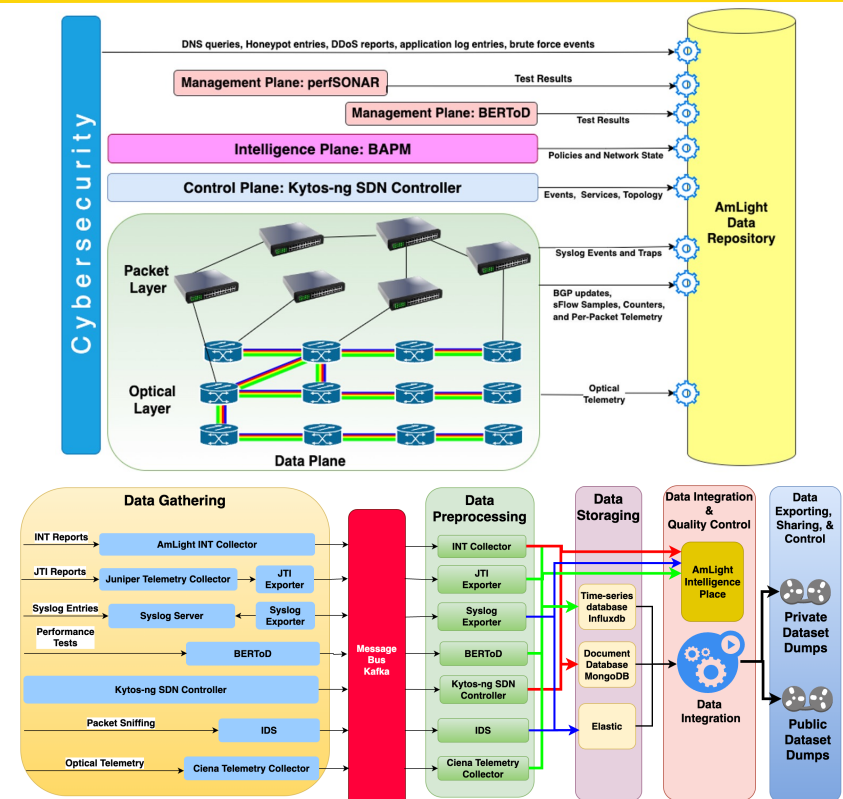
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- The map illustrates the AmLight network infrastructure across Latin America and the Caribbean. Key features include:
- Major Hubs:** Atlanta, Jacksonville, Boca Raton, Miami, San Juan, Panama City, Fortaleza, Sines, Sangano, Cape Town, Sao Paulo, Porto Alegre, Buenos Aires, and Santiago.
 - Networks and Capacities:**
 - AmLight Express:** 1.1Tbps (Yellow line)
 - AmLight Protect:** 100G (White line)
 - Other Capacities:** 100G, 200G, 400G, 1.2Tbps, 300G, 1000G.
 - Geographic Coverage:** The network spans from the United States (Atlanta, Jacksonville, Boca Raton, Miami) through the Caribbean (San Juan, Panama City) and Central America (Fortaleza) to South America (Sao Paulo, Porto Alegre, Buenos Aires, Santiago) and further to Africa (Sines, Sangano, Cape Town).



AmLight as a Data Provider to support ML and AI communities

- AmLight is providing datasets to support ML and AI communities
 - The LLM-Driven Data Labeling for Training ML Models (LLMDaL) project, NSF OAC award# 2530965,
 - Fine tunes LLMs to convert AmLight network data into high-quality labeled cybersecurity ready-for-science datasets
 - If interested in labeled cybersecurity data, please response to the [LLMDaL questionnaire](#)
- A **Data Production Pipeline** is being built to transform raw AmLight network data into FAIR, ready-for-science datasets for ML and AI research communities
- Datasets will be shared by leveraging collaborative projects
 - [Open Science Data Federation \(OSDF\)](#) for broad distribution
 - [COMUNDA portal](#) for access to datasets
 - [FIU's Research Dataverse Repository](#) and [Smart Data Pipeline of the EnviStor project](#) (NSF award# 2322308) for FAIR compliance



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