

# PRIMOGENI: DEVELOPING GENI AGGREGATES FOR REAL-TIME LARGE-SCALE NETWORK SIMULATION

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# THE PRIMOGENI PROJECT

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- The **goal** of the PrimoGENI project is to incorporate **real-time network simulation** into the GENI "ecosystem".
- We are extending our existing real-time network simulator (**PRIME**) to become part of the GENI federation.

# CORE ACTIVITIES

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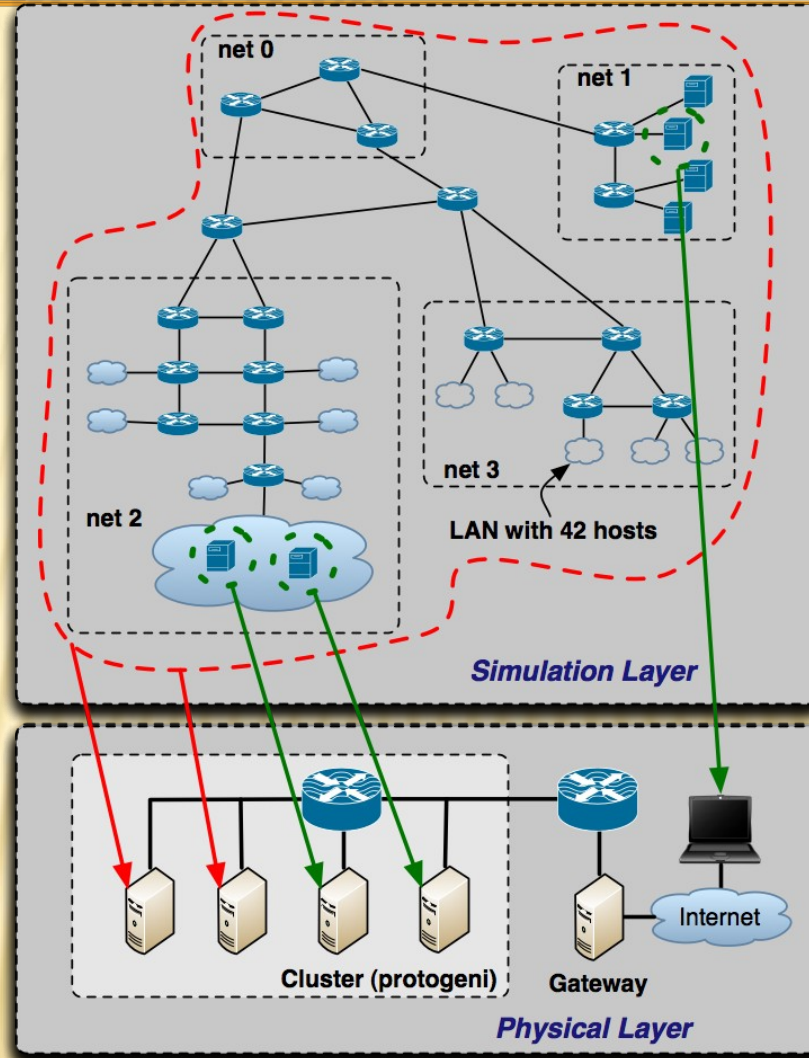
- t An early adoption of the **ProtoGENI control framework**, through which researchers will be able to remotely launch, monitor, control, and thus realize large-scale network experiments.
- A **prototype implementation of PrimoGENI**, which includes augmenting PRIME with the GENI aggregate interface
- Design and implementation of PrimoGENI **experiment workflow, experiment monitoring, instrumentation** and **measurement** capabilities.

# ACHIEVEMENTS

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- t Initial incorporation of Real-Time simulation into ProtoGENI Control Framework. Includes:
  - New protocol created for CM-meta resources communication
  - Using RSpec plus our own language for experiment specification

# THE INSTANTIATION



# THE MODEL FOR DEMO

