

# BNL – Jlab demo

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@BrookhavenLab



# Demo Details

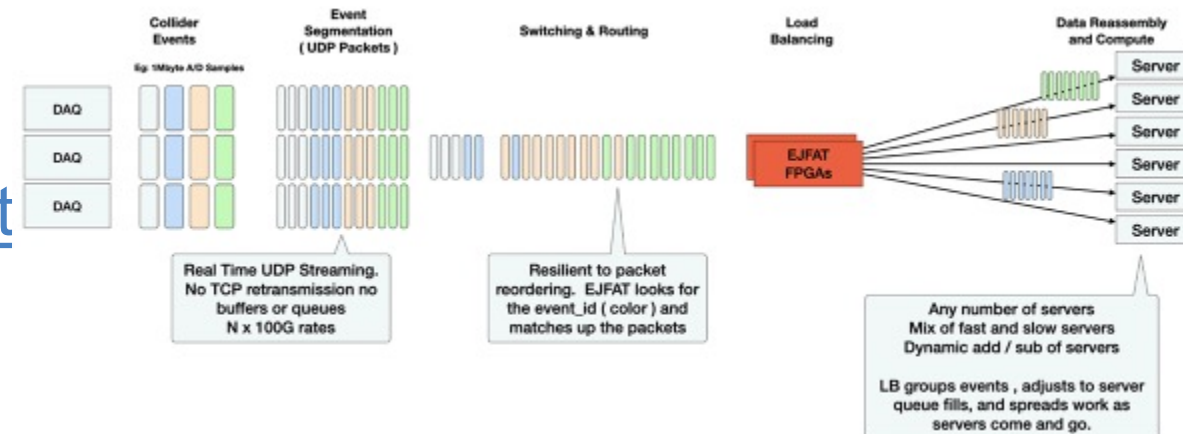
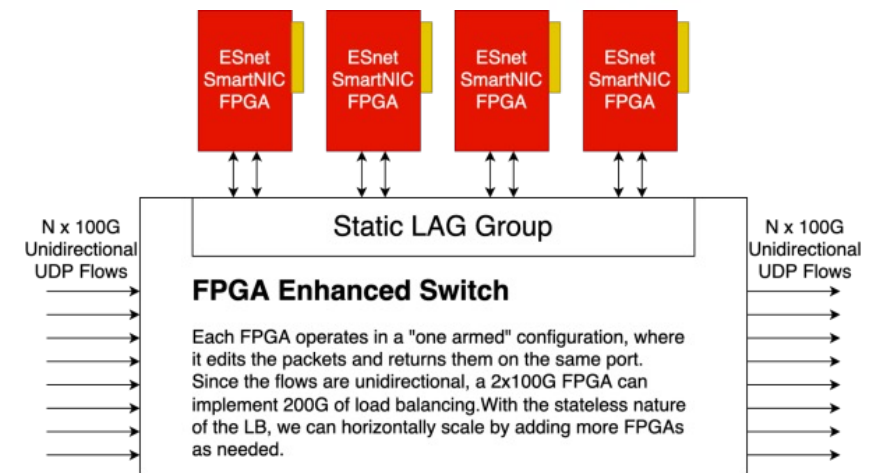
Transfer data between BNL (source) and Jlab (destination) > 5Gbs including processing at Jlab compute nodes

Will use ESnet – JLab jointly developed :  
**ESnet-JLab FPGA Accelerated Transport (EJFAT) Load Balancer**

Data source at BNL

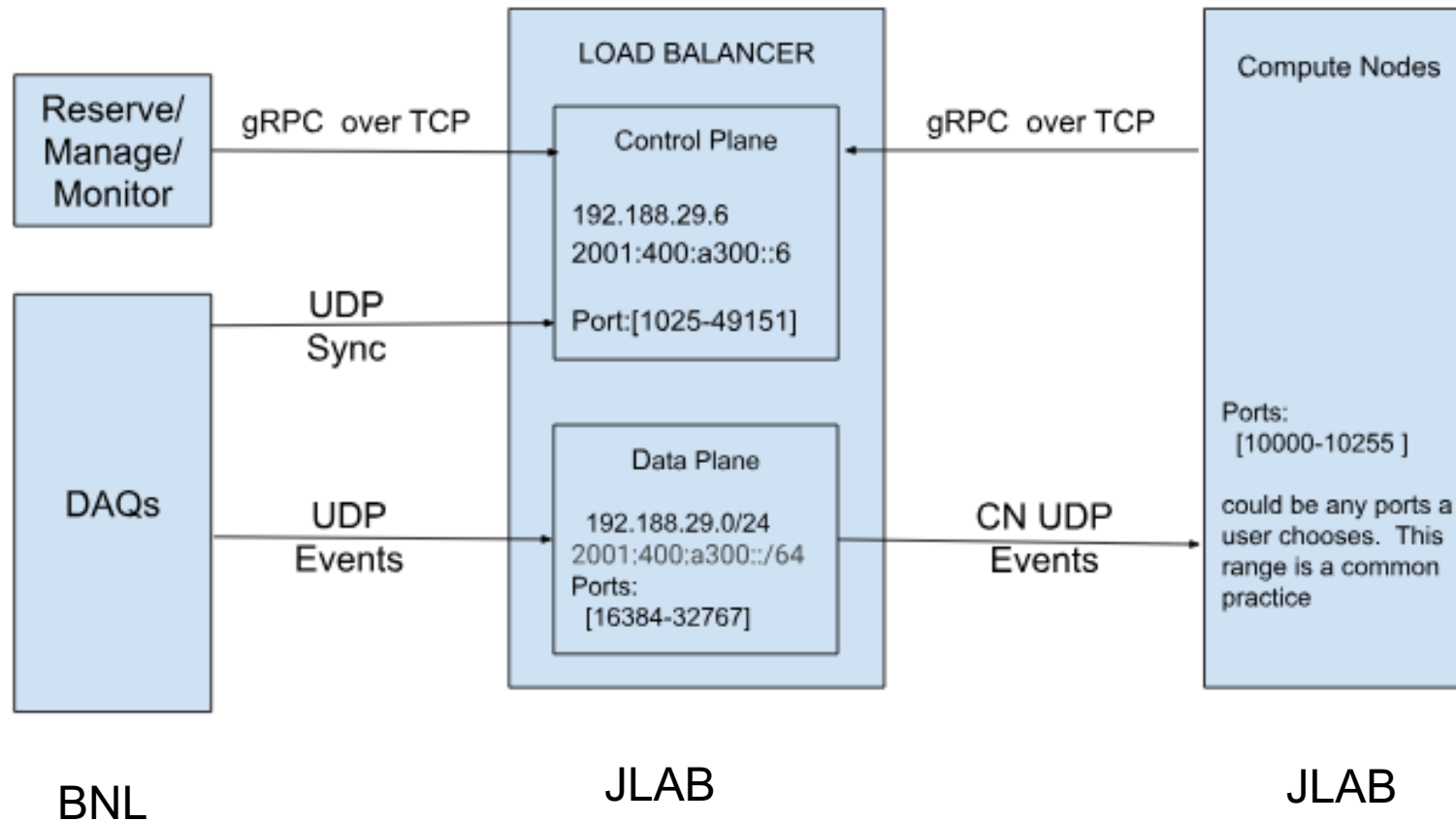
Load Balancer and compute at  
5k small root files to be transferred

<https://www.es.net/network-r-and-d/ejfat>



# Network configuration btwn BNL - JLab

Host to LB communications:



# People involved (doing the work)

BNL networking connected new server in BNL Openshift instance

- Server to be used temporarily for this Demo running in a container running in Openshift pod

**Robert Hancock** (BNL) doing most of the work from the SCDF side

- Activities include: “Openshift infrastructure engineering, container development, comanage federated ID modifications, WAN networking, and storage administration”
- **Many thanks to Robert. His expertise is invaluable**

Ilja Baldin (JLab) – our technical partner from JLab

- providing the EJFAT client container
- helping to configure things on JLab end.
- Will perform initial transfer tests with Robert

# Current Status/Plans

Dry Run today 10am – 12pm copying the root files to JLab and start the processing there

Dry Run #2 1:00 – 2:00 pm Monday August 11th

Dry Run #3 12:30 – 1:30 pm Tuesday August 19<sup>th</sup>

**Live Demo – 11:30am – 2:00pm Thursday August 21st**