

CERN

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# Requirement

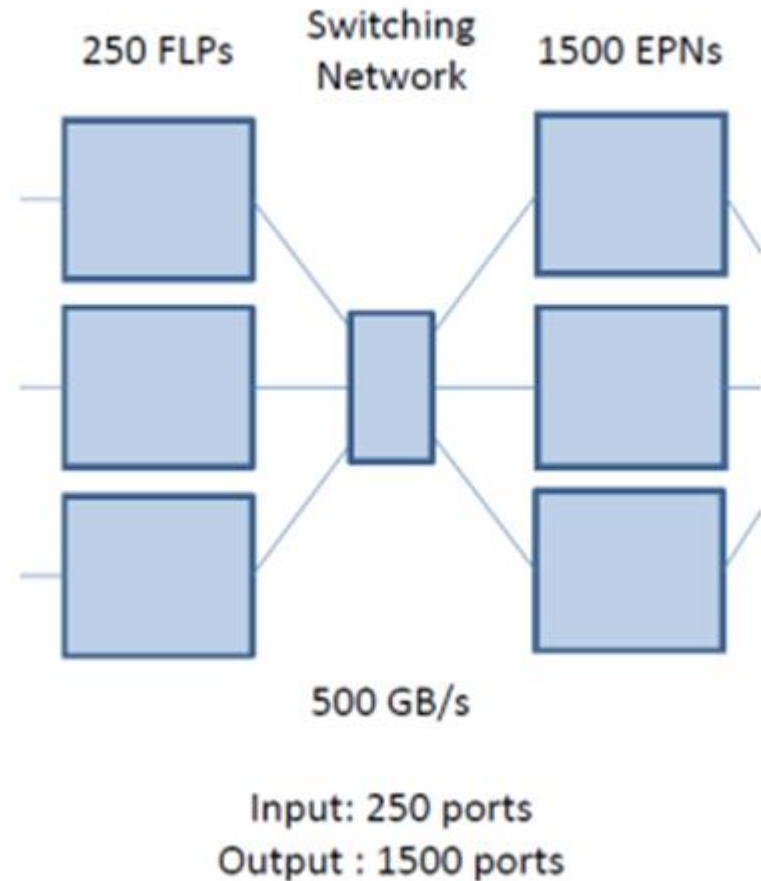
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Input 250 FLPs

Output: 1500 EPNs

Speed: 50 x 100 GB/s IP links

Distance: 5-10 km



# Simulation

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Evaluate the performance of the designed layout by using ns-3 network simulator

Address issues found in the simulation

Re-design and evaluate by simulation again

# Why NS3?

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C++ environment with Python as an optional implementation

Natural network simulator

Scalability

# Mathematical analysis

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Construct a queuing model

Analyze the performance based on the model