



ESnet

ENERGY SCIENCES NETWORK

Plans for Researcher Access to Data Anytime, Anywhere Panel

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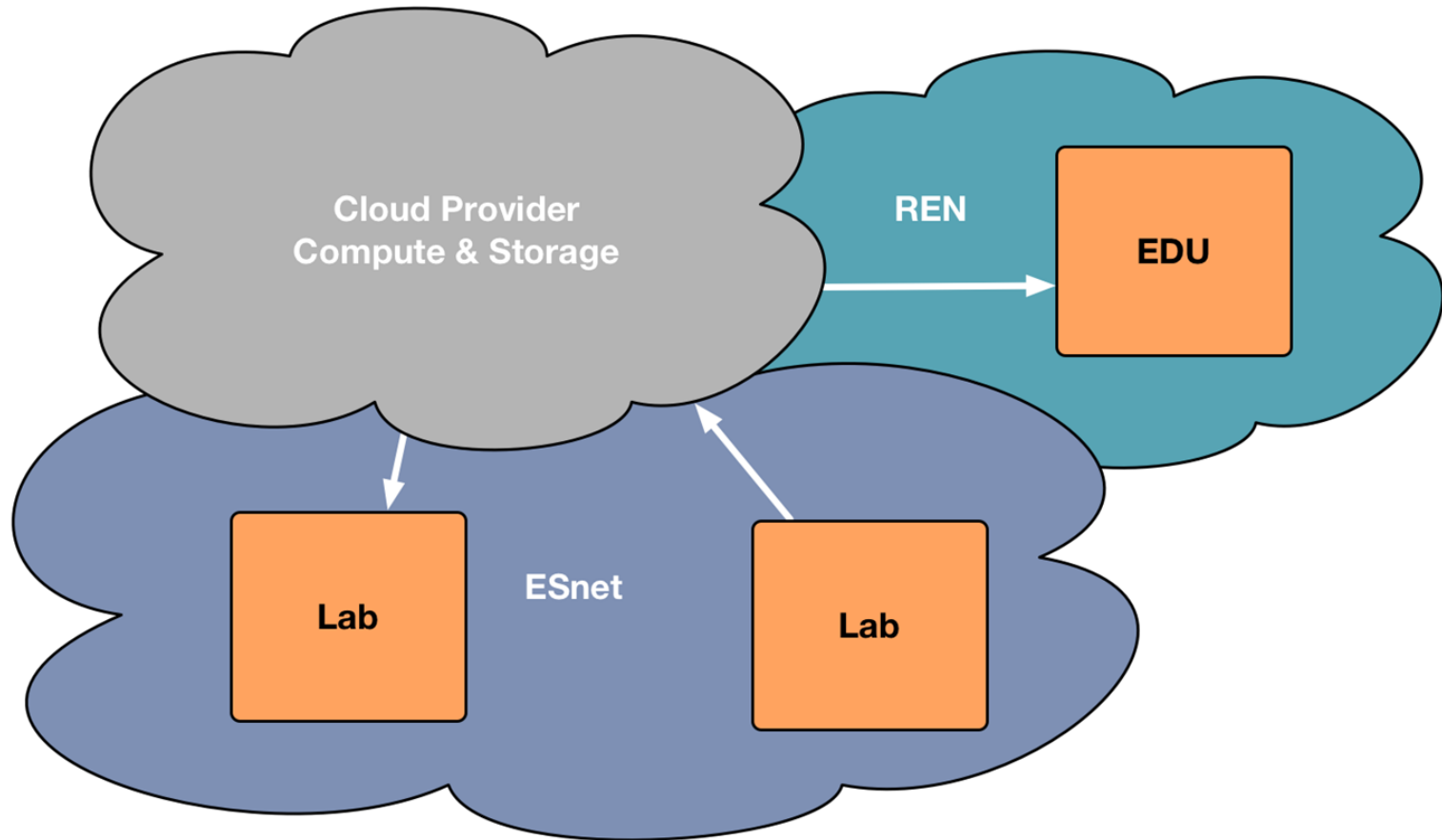
Thinking about new ways to deliver science data....

- Content delivery style network
 - Named Data Network service
- Unique cloud connectivity
 - HEPCloud
 - ATLAS Amazon experiment
- Dynamic quality of service or path computation for heavy data transfers
 - SDN signaled 100G QoS scheduling experiment at SC16

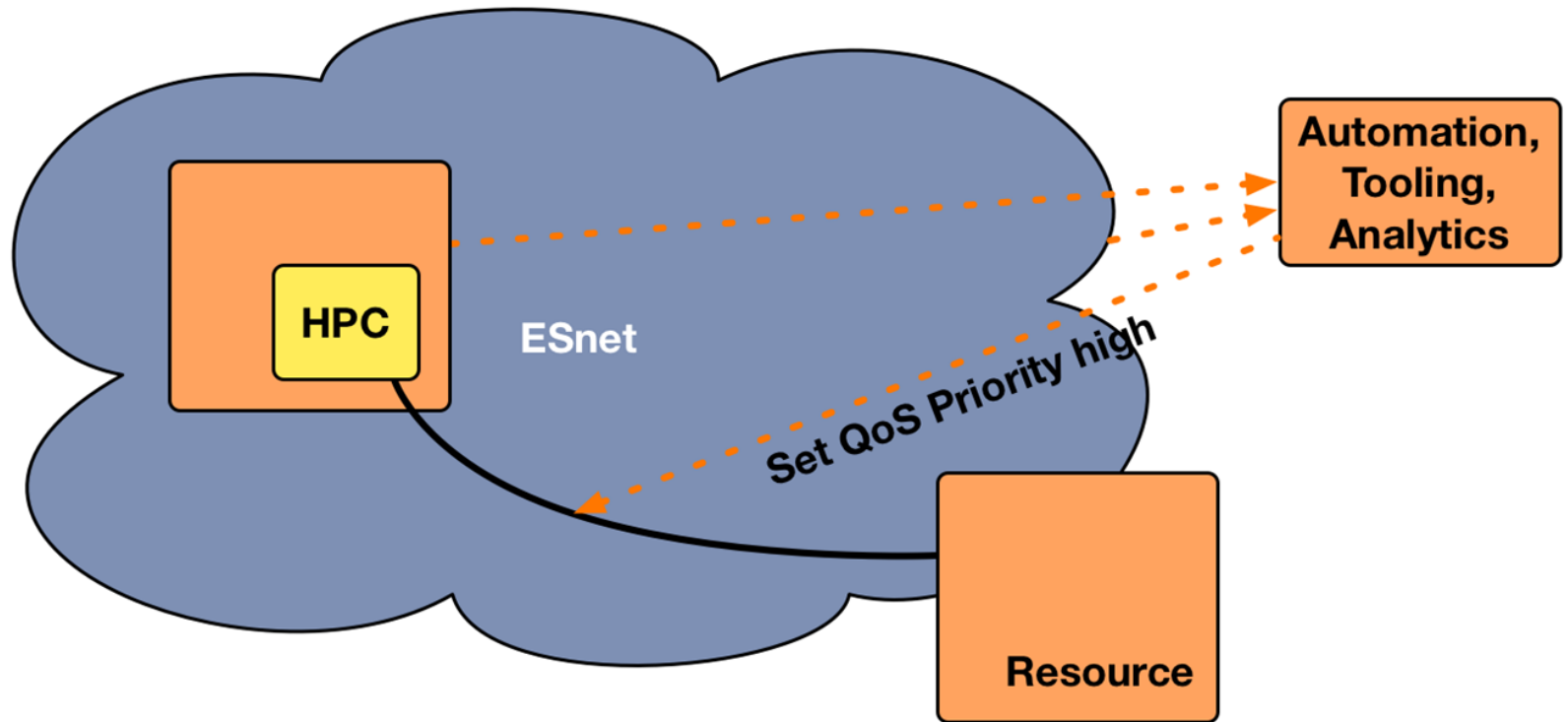
Cloud Connectivity

- Continued, robust and innovative connectivity needs to be fostered - continually - engaging the largest cloud providers as partners whenever possible and as vendors otherwise

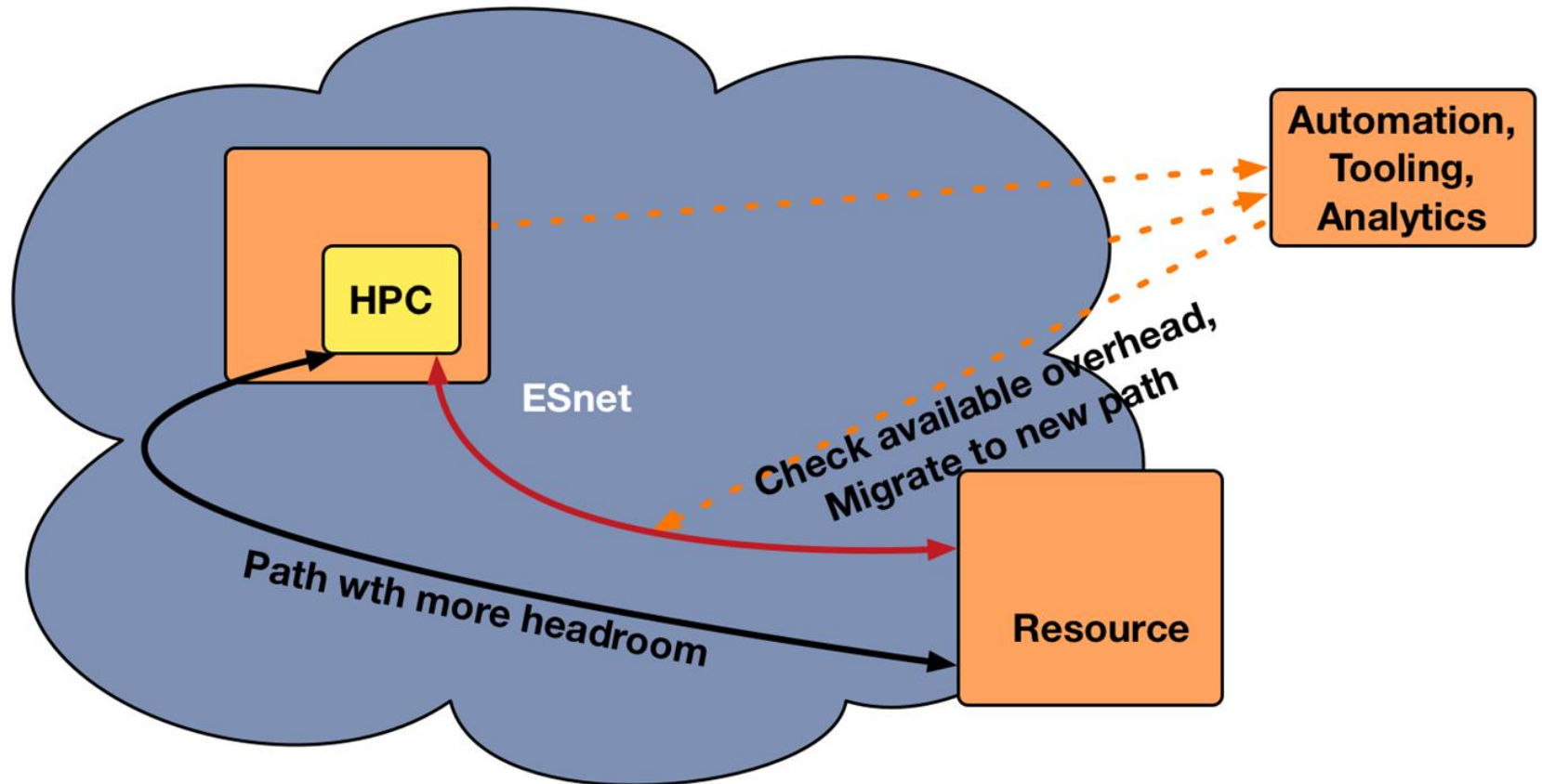
Efficient Content Delivery of Data Sets



Dynamic QoS based on criteria and analytics



Dynamic paths based on criteria and analytics



Science Drives our technology strategy

- What's next?
- For ESnet6?
- Prototype?
- How does this fit into current and future science workflows?