# LHCONE Point2Point Service
# **Introduction**

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# Introduction of activities

- Green light in Ann Arbor, Sep 2014:
  - **Goal** is to demonstrate a working implementation/solution of the LHCONE Point2Point Experiment with a number of LHC sites, based on the Automated GOLE infrastructure

- **Activity 1**: Connecting LHC sites and AutoGOLE
- **Activity 2**: Middleware integration

History: slide of Cambridge LHC meeting, February 2015

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# Results of Point2Point Service Solutions

Two different approaches realized since LHC Cambridge meeting:

- **OpenFlow-based solution by Caltech**
  - Successful implementation done 1H2015
- **BGP-based solution by SURFsara-Brookhaven**
  - Successful implementation via AutoGOLE done 05/2015

History: slide of Berkeley meeting, June 2015

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# Continuation

After Berkeley the two tracks continued their activities:

- **OpenFlow-based solution**
  - LHC sites to have SDN hardware
  - Followed up in 2016 by Caltech
- **BGP-based solution**
  - LHC sites to have simplified BGP setup
  - Followed up in 2016 by NORDUnet

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