CERNET Experiences and Challenges on online education during COVID-19
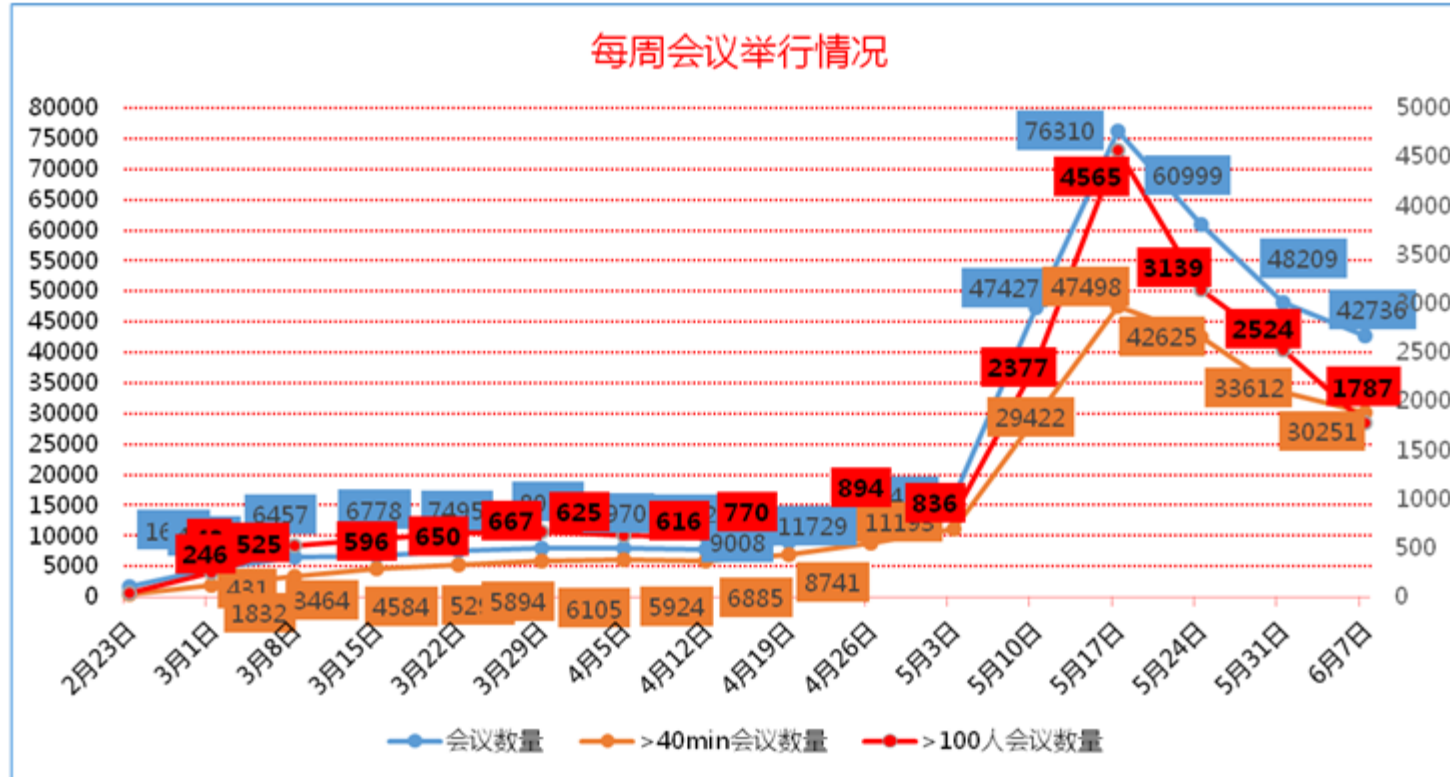
CERNET

2020-06-09

Backbone traffic
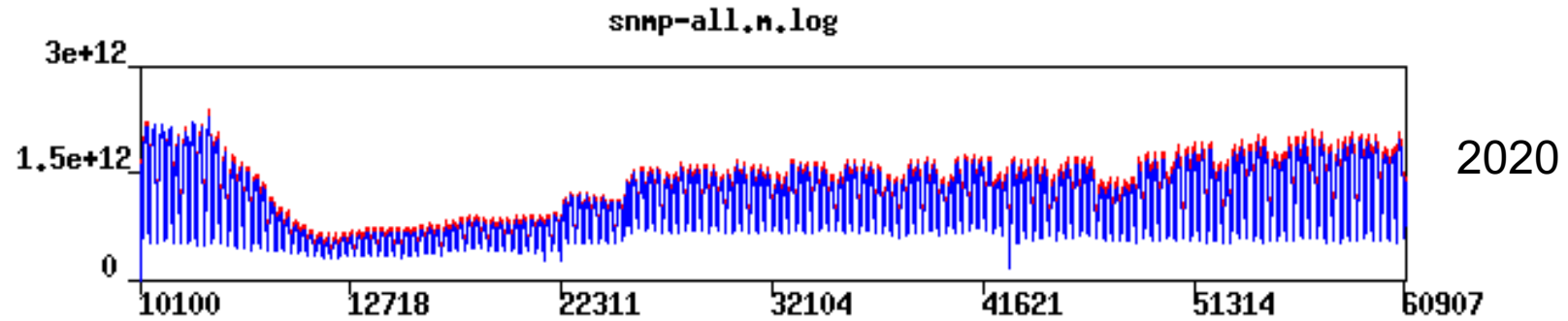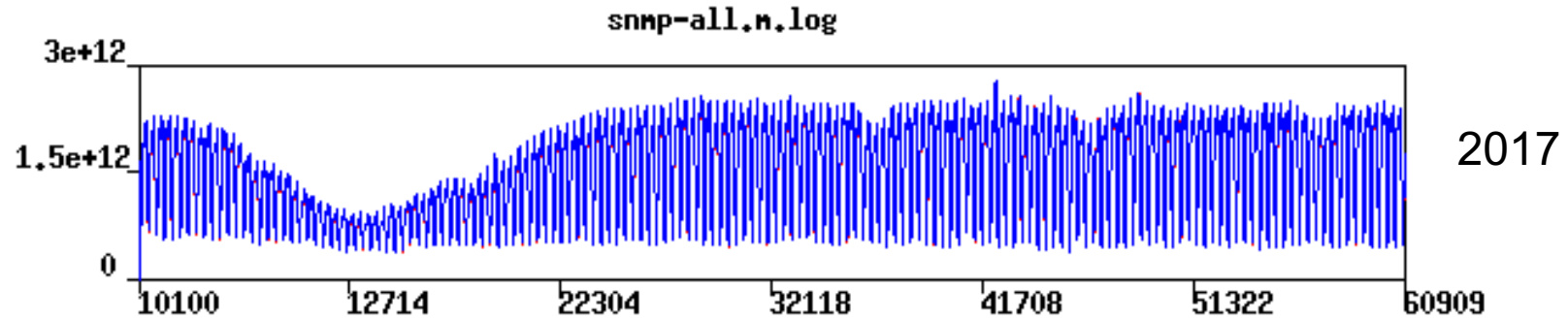
snmp-all.m.log — 2017

snmp-all.m.log — 2020

Online lecturing (ZOOM)

每周会议举行情况

会议数量　　　>40min会议数量　　　>100人会议数量

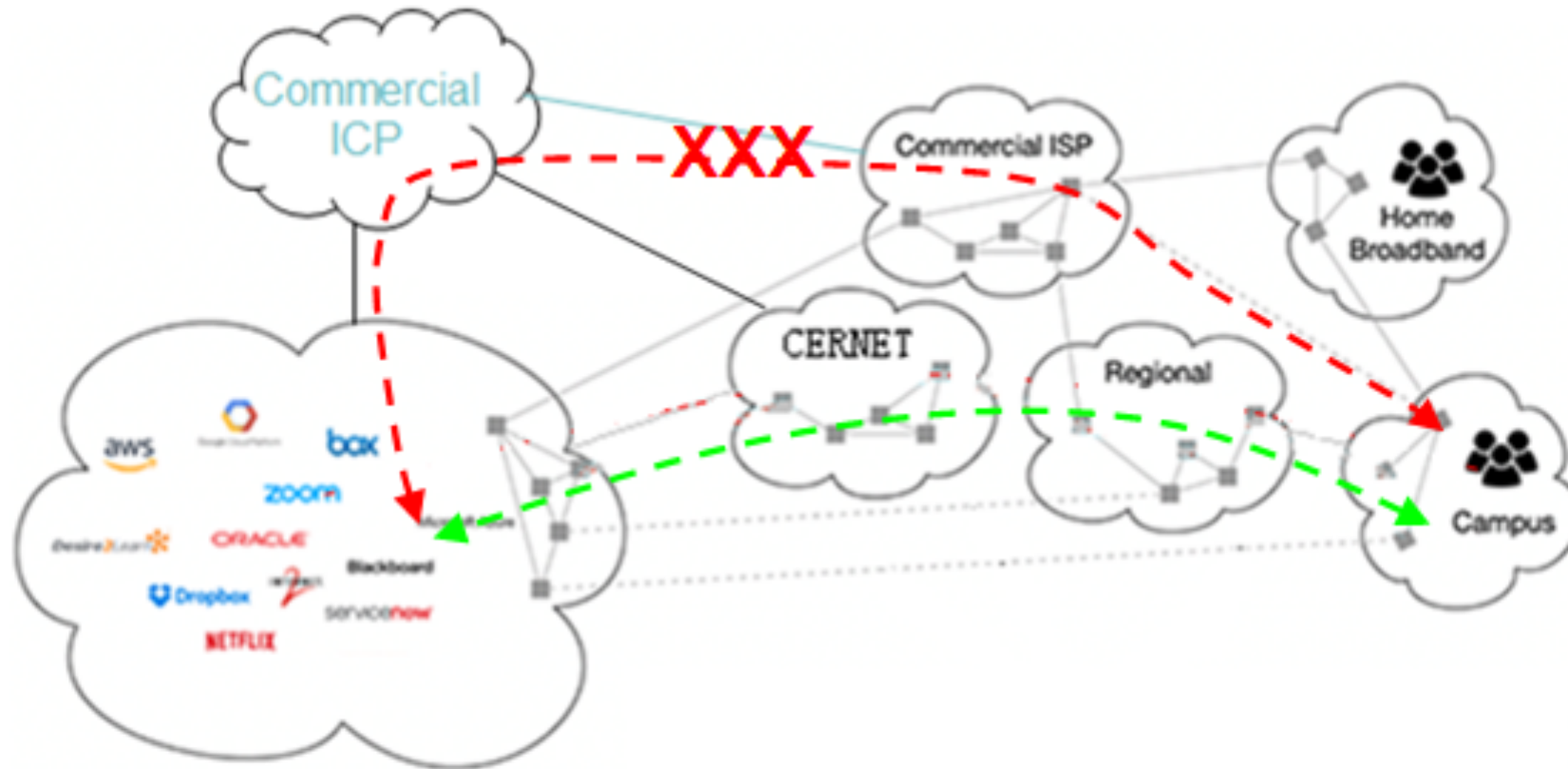# CARSI

New model

- Virtual Cloud model
  - Students are at home, still need public cloud services via CERNET
  - The VM in public cloud can use CERNET IPv4 addresses
  - The global high performance academic links can be used
  - CERNET addresses optimize the domestic exchange
- 464BGP model
  - Extend BGP peering to campus networks
  - The campus network can control the BGP peering with international partners and achieve symmetric routing

Virtual cloud model

464BGP model