

## Minutes from Sept 21, 2020 meeting of the ns-3 Consortium Advisory Board

Attendees: Tom Henderson, Greg White, Xiaojun Hei, Mohit Tahiliani, Sumit Roy, Doug Blough, Lorenza Giupponi

### 1) Tom provided brief updates related to industrial use and tutorial

- Scala Computing is offering an ns-3-based cloud computing service, for large-scale ns-3 simulations
- Raytheon/BBN offered a tutorial on ns-3 integration with SDR at the recent GnuRadio conference
- We have been invited to submit a tutorial or workshop to ACMSE Conference (April 2021)

### 2) We continued with member reports on activities and interests

- Xiaojun Hei and Yayu Gao and their team at HUST are working on the following
  - Chinese translation of ns-3 website
  - Tutorials/lab manual of examples including physical layer, AQM, congestion control, openflow, and ns3-AI
  - Continue to progress the ns-3-AI framework
  - Mathematical and MATLAB modeling of LAA, including ns-3 validation
- Greg White described the recent publication of the DOCSIS models for ns-3, and expressed interest in the following goals/activities
  - Continued work on expanding DOCSIS model, including model for DOCSIS backhaul for small cells
  - Bringing the Linux TCP (DCE) environment up to date with latest kernels is a needed upgrade
  - Would like to disseminate ns-3 more broadly within the cable research community

### 3) Discussion

Tom noted that there seemed to possibly be interest and critical mass to organize some working groups around training and education.

Doug mentioned that Georgia Tech. will be offering a course using ns-3 again in 2021.

Greg provided some suggestions: nice to have some training materials easy to consume offline, such as short videos and well-designed useful examples.

Mohit and Lorenza suggested to help steer the prioritization of these videos, to ask people on the ns-3-users list about topics of interest.

Tom asked whether we could find ways for others to participate, including helping someone be certified as an ns-3 trainer, or publishing guidelines for how to make short training videos. Doug suggested to perhaps not constrain the video too much but review/curate what people submit.

Tom asked about whether to continue to use Vimeo (ad free) or move to YouTube channel. Not clear it makes much of a difference; perhaps we could have both.

Sumit emphasized a third activity we should prioritize, which is validation. We could work towards better promotion and documentation of what has been validated. Lorenza in the past has requested that we maintain some data sheets about ns-3 modules that would be suitable to share with companies interested in ns-3.

At this point, the meeting ran out of time, but Tom said he would follow up with advisory board members offline and try to see what we could organize around the topics of education, training, and validation.