

Minutes of Meeting

Project - Media Delivery Network Simulator

Date	10/6/2014	Place	CMU SV - Room 1065
Start Hour	15:00	End Hour	17:00

Participants

- Vladimir Katardjiev
- Vinay Vavili
- Jeremy Fu
- Jigar Patel

Points

1. Use Edge labels for visualization - either from sigma library's feature branch or using new graph library
2. Take clock shift into consideration - there needs to be some synchronization of time between different nodes
3. Front End - Provide some immediate feedback when user presses start button.
4. Logging - WarpLogger can be used to log messages which can be shown in WebClient for ease of debugging and demo.
5. Integrate MDNManager as part of Domain to enable both to start in same JVM
6. Meta data
 - a. Insert metadata (control frames) in the data stream (approximately 50 control frames per second).
 - b. These control frames should contain message#, timestamp and any other required information which will help in identifying jitter, packet loss and latency
 - c. The control frames should be part of overall data size (and not added as extra data)
 - d. Use JSON format to encode control frame and encode it in such a way that it is easy to distinguish it from regular data frames
 - e. Client will collect all these control frames (discarding data frames) and use them to calculate statistics which will be reported back to master node
7. The packet size should be such that it should support data rates starting from 64Kbits to 5Mbits per second.
8. Prioritize finalizing input script format and validate it with Vladimir
9. Testing - write integration tests for entire system. And unit test for complex code.

