

Minutes of Meeting

Project - Media Delivery Network Simulator

Date	9/22/2014	Place	CMU SV - Room 228
Start Hour	15:00	End Hour	17:00

Participants

- Vladimir Katardjiev
- Jia Zhang
- Vinay Vavili
- Jeremy Fu
- Hao Wang
- Jigar Patel

Points

- Discussion on utility of Message Bus in the project
- Deep dive on Warp library
- Other doubts cleared
 - Message Bus is for the control layer not for data sending
 - Processing node inputs clarification - CPU and Memory usage will be based on relative scale (say 1 to 10). This scale will be mapped to running for loops (for simulating CPU Usage) and creating memory objects (for simulating Memory Usage)
- To show end-to-end demo on Friday which will include following
 - There will two nodes running - source and client
 - User will start Master system (by pressing Start button from the web browser) which will read a pre-determined file. The input will be fixed initially - "Send data at X bits per sec from Source to Client"
 - The Master system will create message (to send data) and send that message to the source node using message bus.

- The Master system will also show the two nodes in the web browser to the user.
- The Source starts sending data as required, client receives them and when client receives all the data it will send a control message back to master (using message bus).
- Once Master receives the message from client it will update the user interface to indicate that.
- Tools to be used
 - Warp library for message bus
 - sigma.js / d3.js for client side visualization
 - Java Servlets for web server technology
 - Others - Eclipse, Git, Maven