Service Composition Experiment with FIRST@PC OMX Toolkit and MediaX Testbed

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GEC6 Experiment Workflow and Services WG Meeting

@ Salt Lake City, Utah

Dr. JongWon Kim

(jongwon@gist.ac.kr)

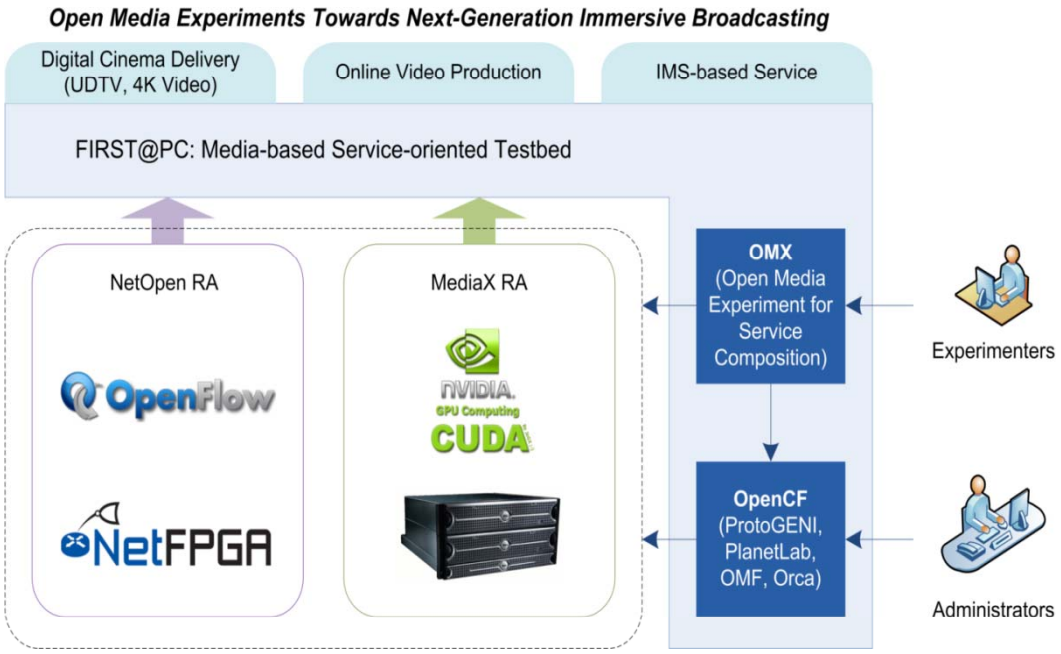
Networked Media Lab., Dept. of Information and Communications

Gwangju Institute of Science and Technology

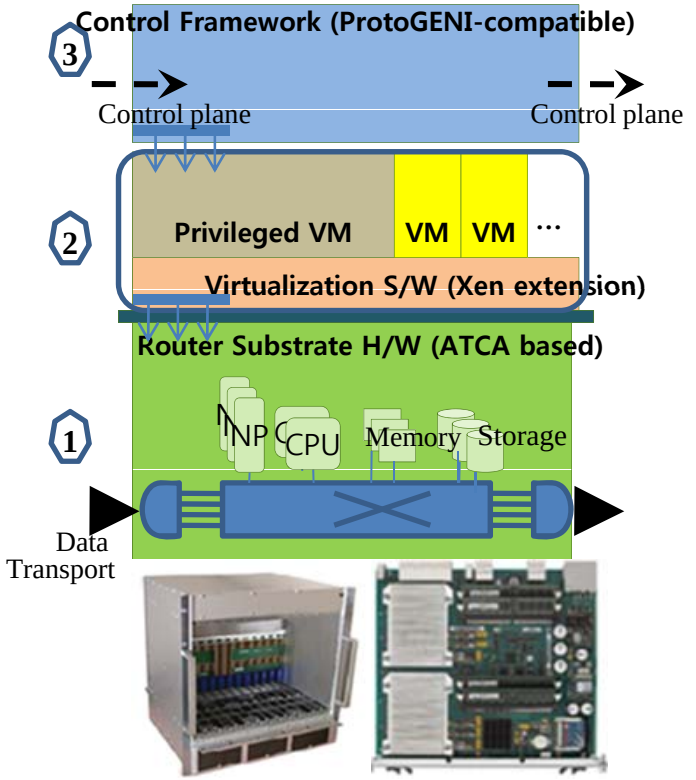
FIRST@PC (2009-2013)

PC-based prototype construction of virtualized and service-oriented testbed for dynamic service composition

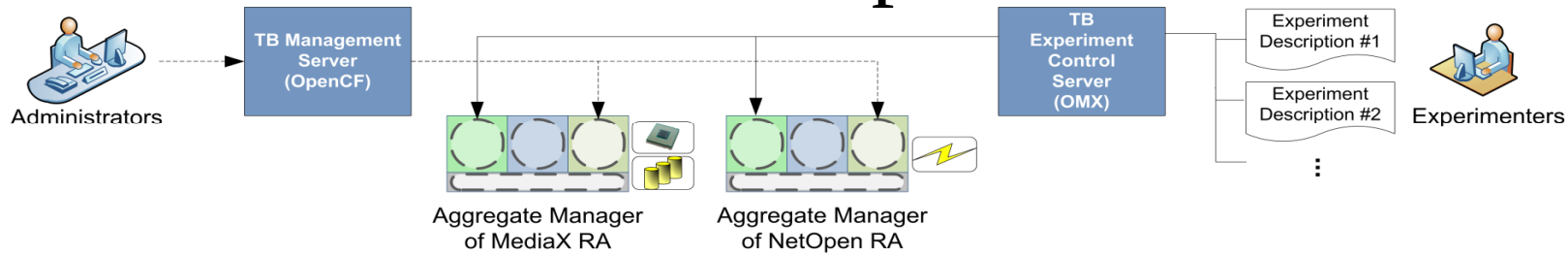
FIRST@PC



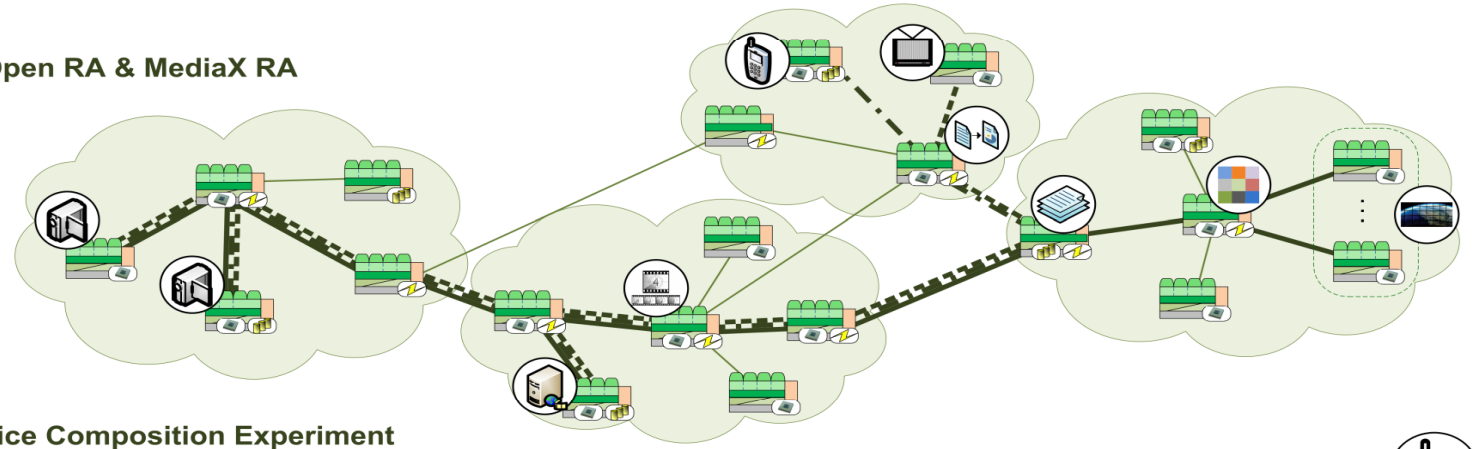
FIRST@ETRI



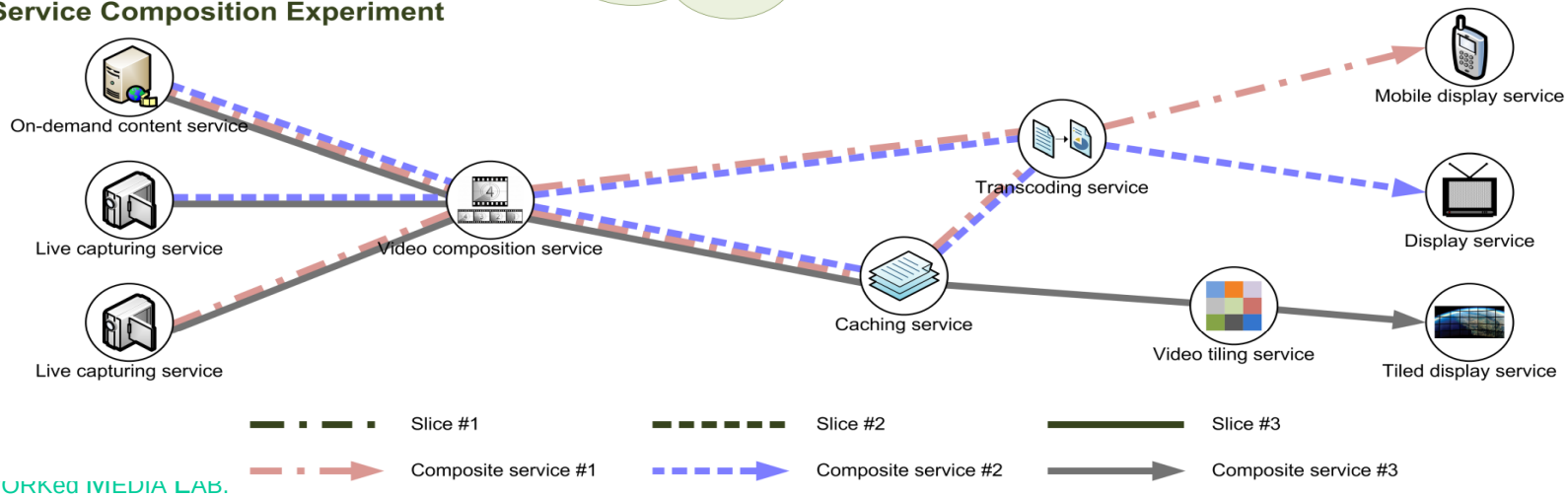
FIRST@PC: Experimental Media-Oriented Service Composition



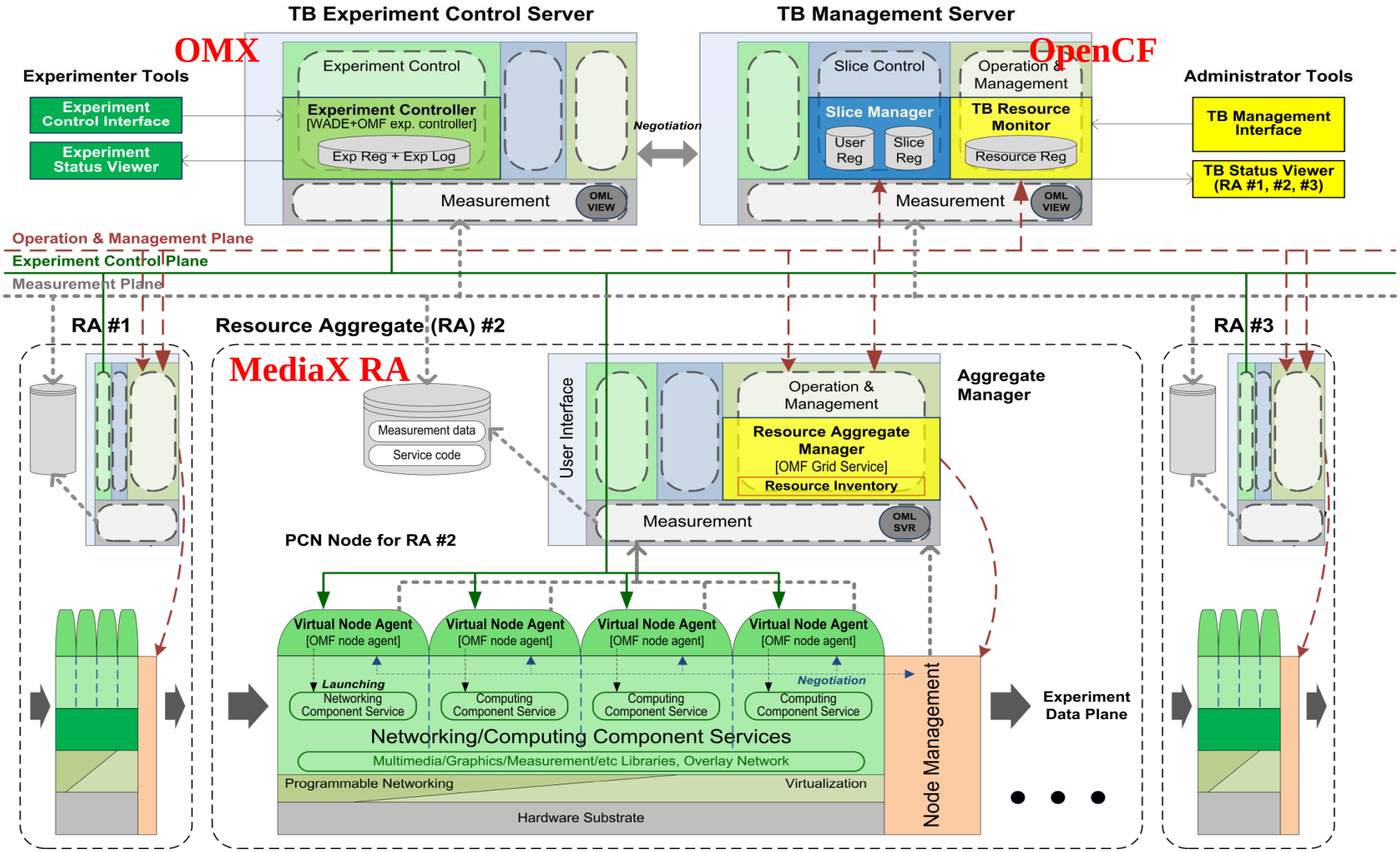
NetOpen RA & MediaX RA



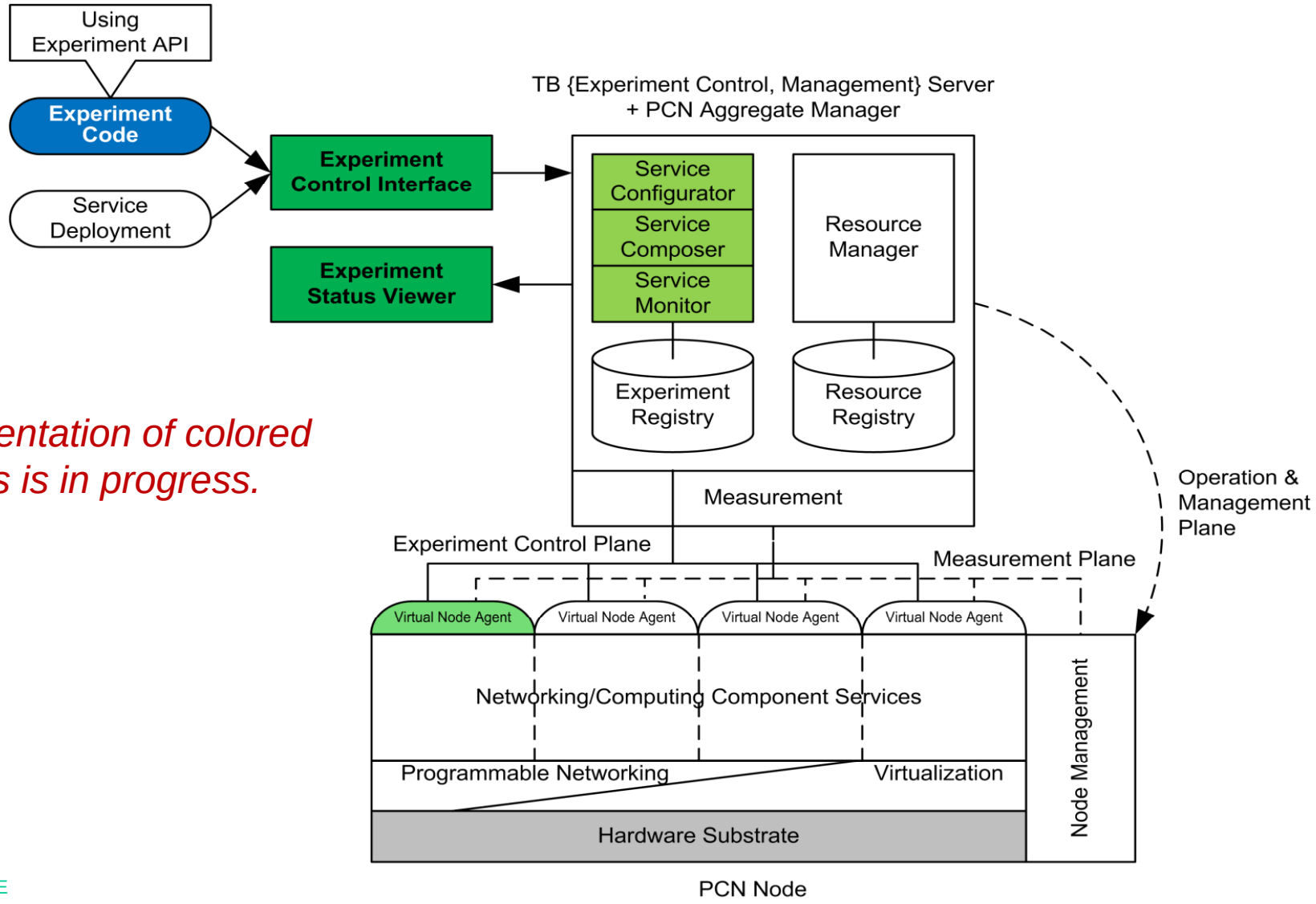
Service Composition Experiment



FIRST@PC: Platform Overview



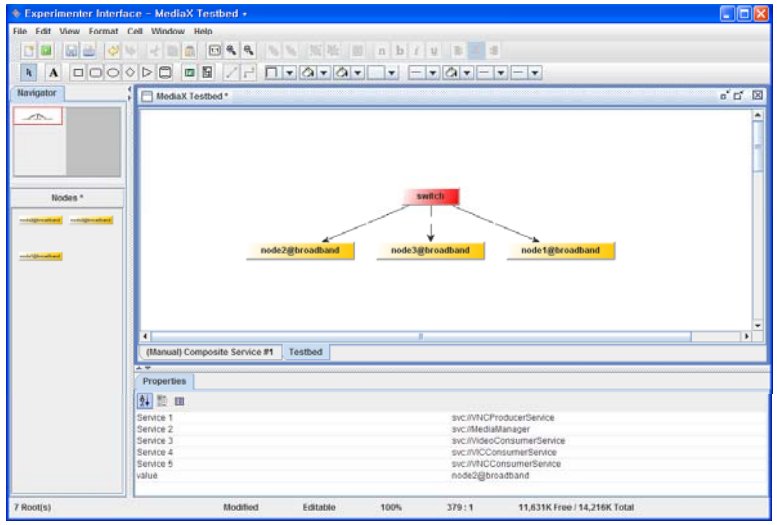
FIRST@PC: OMX (Open Media eXperiment for service composition) Toolkit

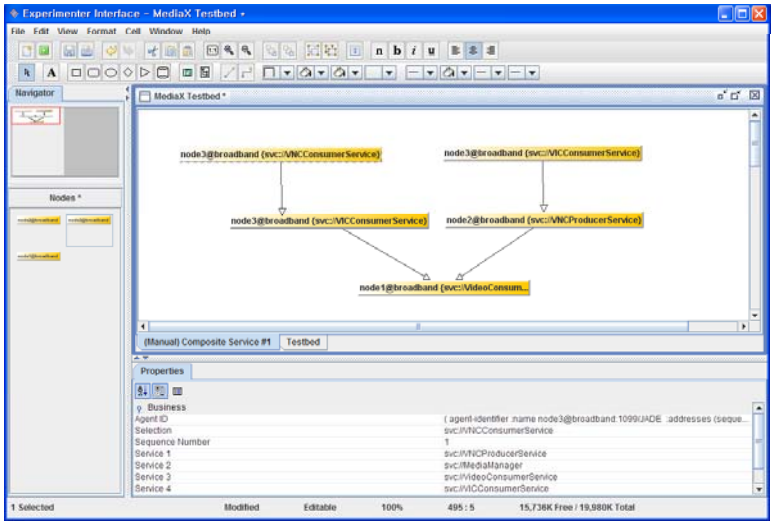


Implementation of colored items is in progress.

FIRST@PC OMX Toolkit – Progress

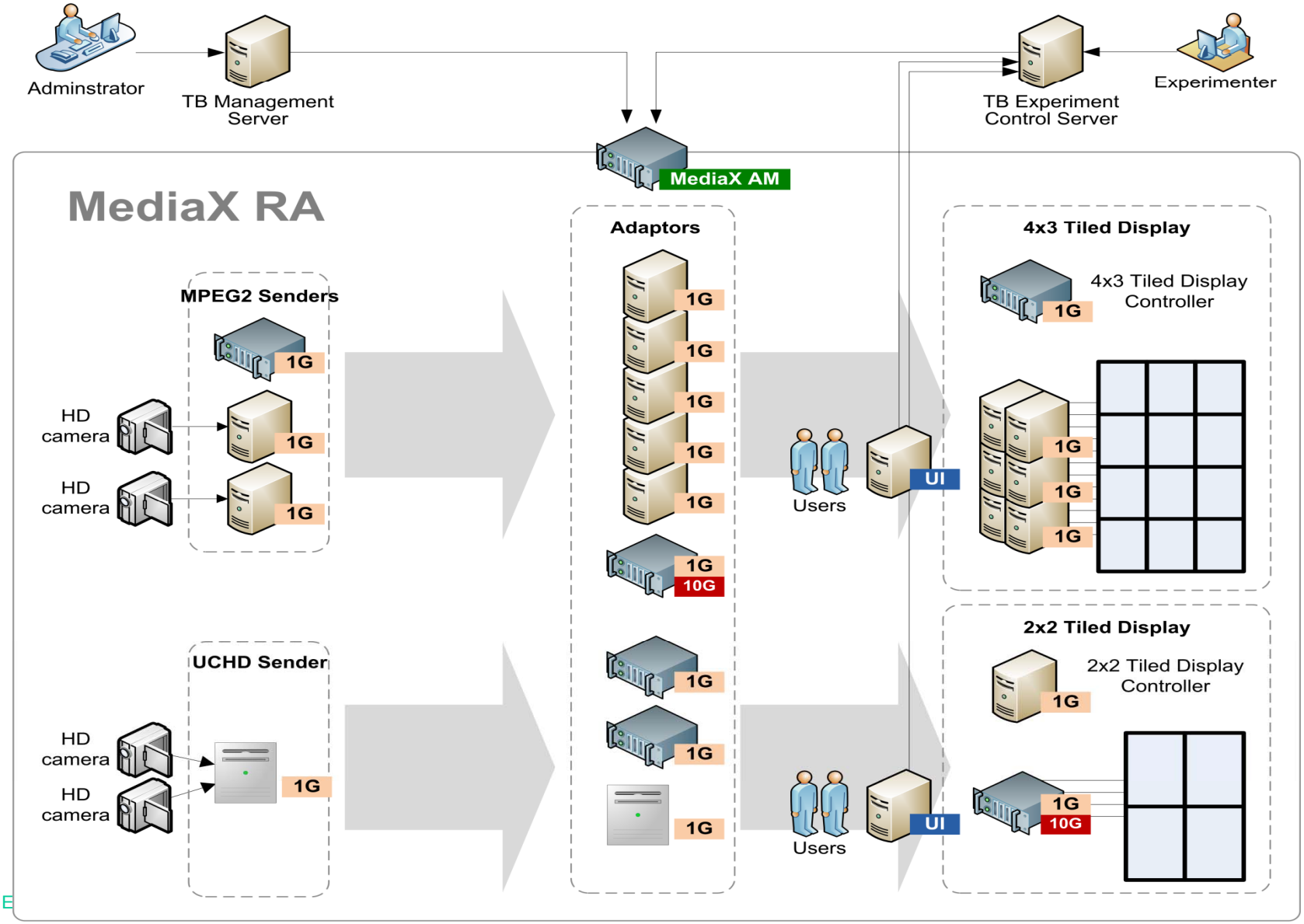
- Agent-based Implementation for experiment control (service configuration, service composition, and service monitoring) with user interfaces for experimenter



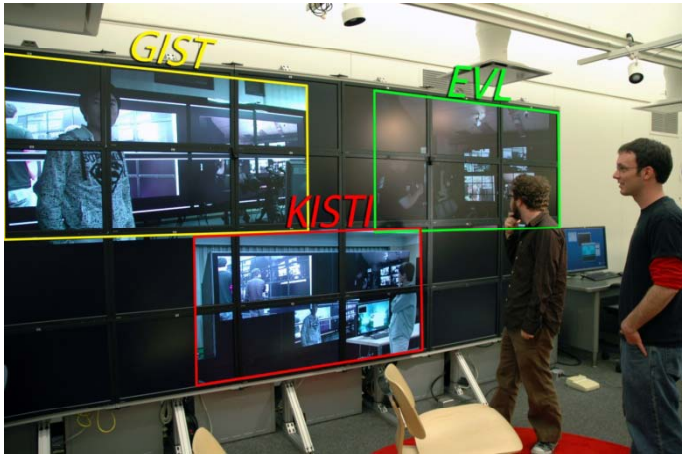


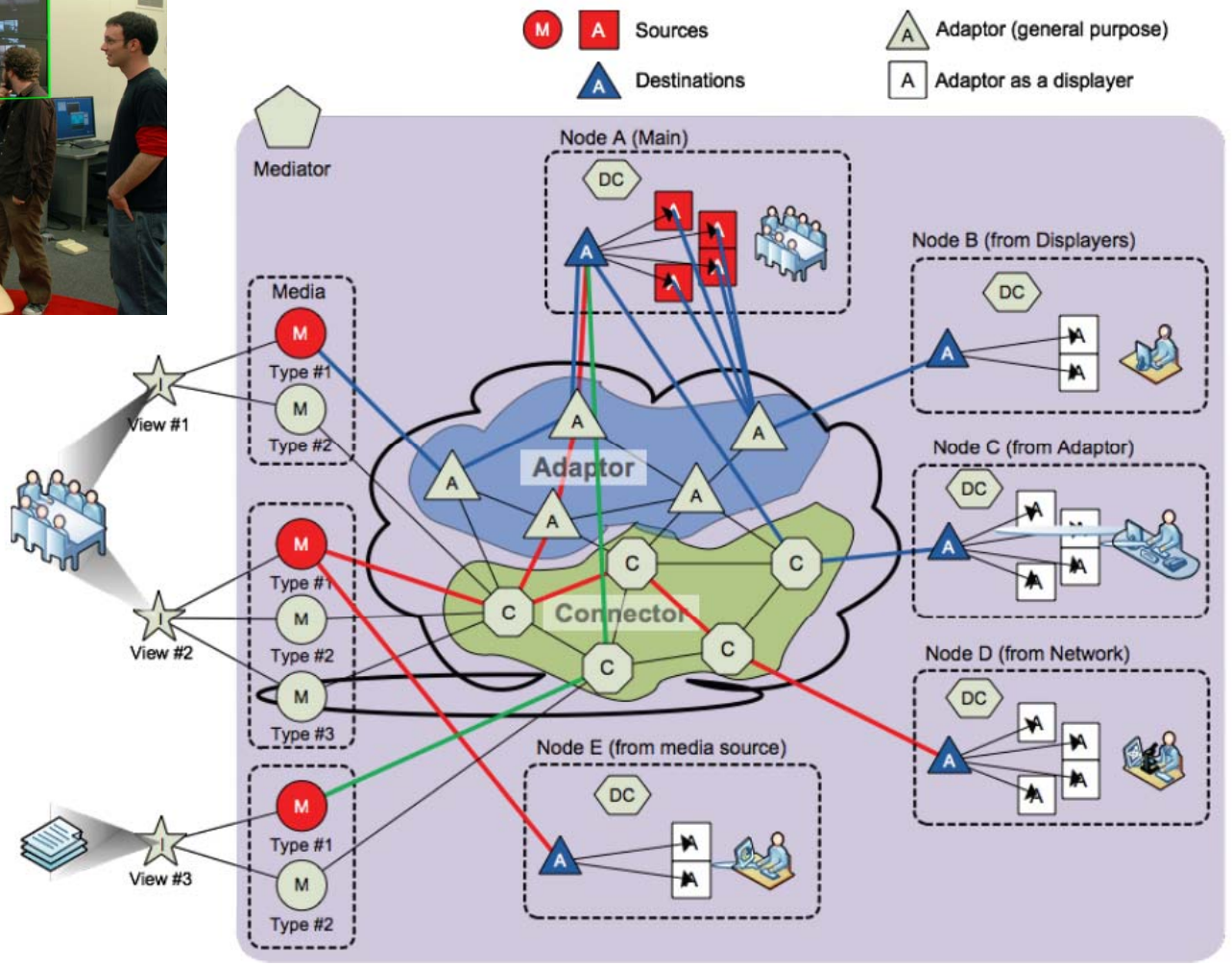
- Currently being implemented to work with OMF control framework
  - Monitoring with OML to monitor node performance (using Sigar API for CPU/memory and NIC)

FIRST@PC MediaX Testbed (v0.1)



FIRST@PC Service Composition Scenario: Multi-site Visual Sharing Challenge





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Science & Technology

Thank you!

Send Inquiry to jongwon@gist.ac.kr

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