

X10 is a new parallel, distributed object-oriented programming language with Partitioned Global Address Space (PGAS) being developed at IBM Research in collaboration with academic partners. As shown above, we intend to develop the X10 media composer using native X10 and existing C and Java libraries. X10 media composer instances running over multiple application servers will help us balance application load, and in the next step, we intend to extend X10 media composers to run inside the network in order to optimize network load and allow for resource optimization in complex scenarios while not compromising on video quality.