Systems-Level Programming Tools for Distributed Code

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• Creating an IoT system requires writing multiple different programs
  • One for mobile devices, another for the cloud, another for browsers, etc.
  • This complexity impedes creation, maintenance, and reuse of the system

• Approach: Programmer writes a single program, from which the IDE generates and deploys binary executables onto targeted machines

• Example: Create a system that monitors equipment in a big box retail store using Curie modules, then reuse it in a single step for another retail chain