













- To accommodate the physical layout, we needed to register all signals at hard macro (subblock) boundaries
 - We restricted all interfaces to be of type either CGet/Cput or CServer/CClient (all control and data are registered with these types of interfaces).
 - Many of the subblocks had multiple wide interfaces. We ultimately needed to optimize the implementation of these interfaces to minimize flop counts.
 - Ultimately, there is still "extra" overhead incurred when these interfaces need to support full bandwidth data flow
- · Multicycle Paths
 - The design required multicycle paths to minimize flop counts
 - These were encapsulated in a bluespec library

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