Compiler (OpenUH)

Loop

Nest

Optimizer

Back-end

Global

Optimizer

Point-to-point

Synchronization

Distributed Locks

F90+Coarray

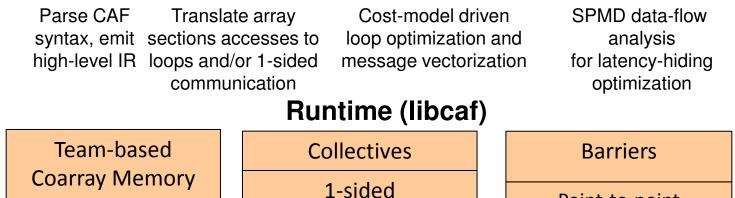
Lowering

Fortran

front-end

Allocator and Heap

Management



Communication Layer (GASNet or ARMCI). Supports Shared Memory, Ethernet, IB, Myrinet GM, IBM LAPI, Cray Gemini, ...

communication

(strided and non-

strided)