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Language	LOC	Percent	
• C:	572,312	74.0%	
• C++:	58,566	7.6%	
 Autoconf: 	48,923	6.3%	
 Shell script: 	30,520	3.9%	
 Fortran: 	23,121	3.0%	
 Automake: 	12,829	1.7%	
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Project architectural view (for comparison)





Merged architecture views, showing some actual frameworks and components





MCA layout

MCA

- Top-level architecture for component services
- Find, load, unload components
- Frameworks
 - Targeted set of functionality
 - Defined interfaces
 - Essentially: a grouping of one type of plugins
 - E.g., MPI point-to-point, high-resolution timers

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