

Requirements

- **Data:** A list or vector of objects
 - Data will typically be lightweight; pointers to other static resources
- **Function:** A single function to be applied to each object in the data
- **Environment:** An evaluation environment in which to run the function (defaults to parent frame)
- Additional arguments/data required for the function need to be scoped in via lexical scoping (for now)

threadpool Functions

- **cluster_initialize()**: Sets up the queues and loads the input queue with initial tasks
- **cluster_run()**: Starts the cluster in a single process
- **cluster_join()**: Join an already-running cluster
- **cluster_add_nodes()**: Adds workers to the cluster
- **cluster_reduce()**: Reads elements from the output queue
- **cluster_map()**: threadpool version of `lapply()`