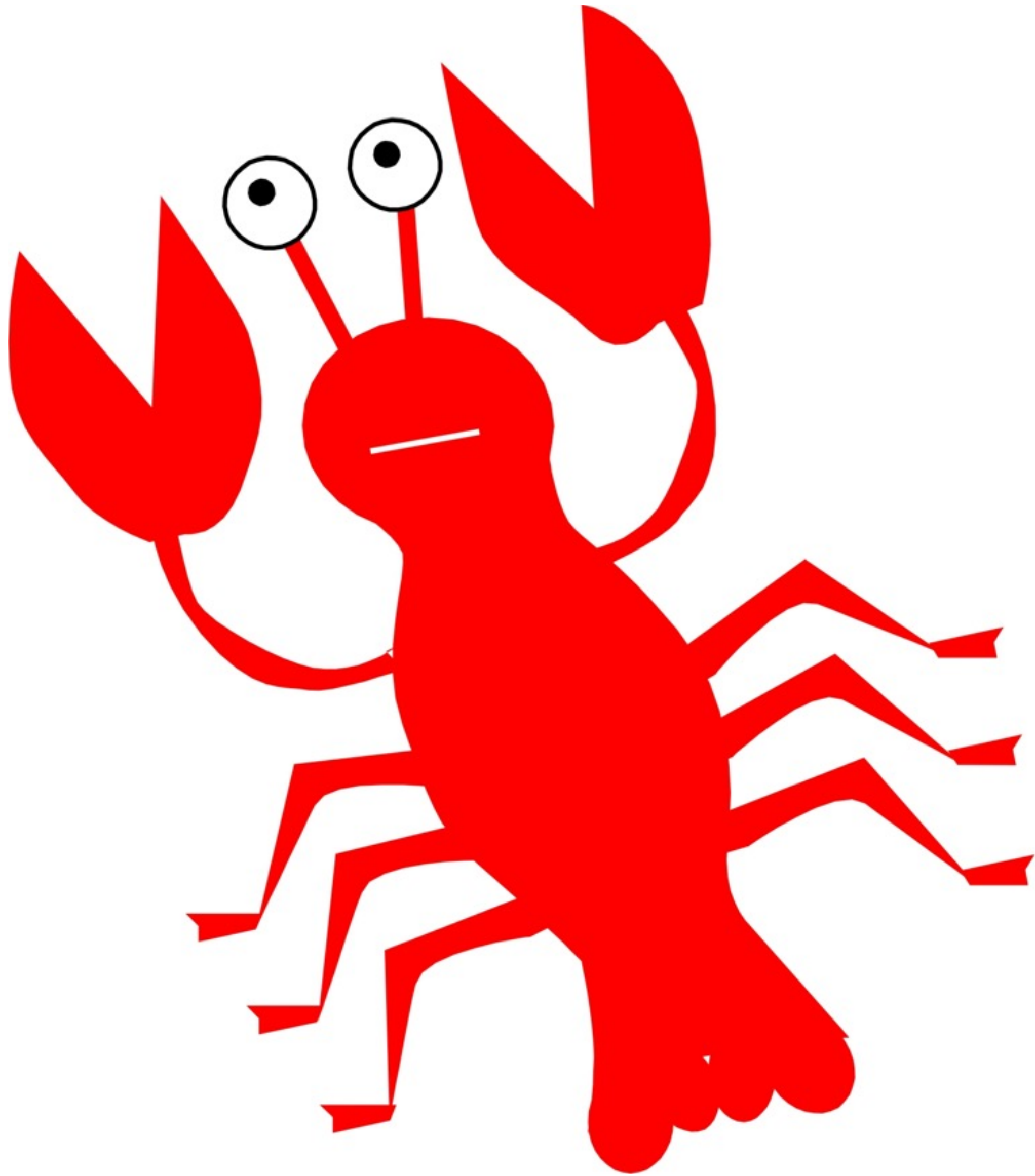


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# OPPORTUNISTIC COMPUTING WITH LOBSTER: LESSONS LEARNED FROM SCALING UP TO 25K NON-DEDICATED CORES



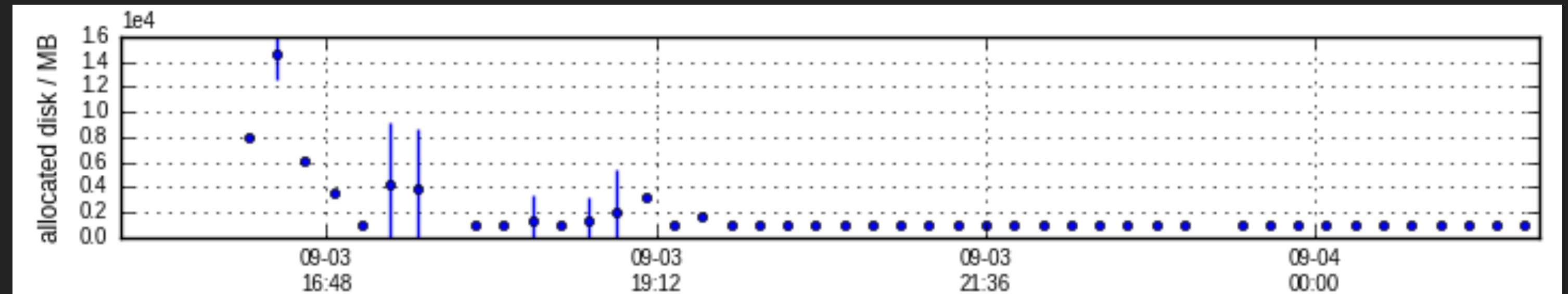
# WHAT IS LOBSTER?

**Lobster is an opportunistic workflow manager, built on top of CCTools.**

# LOTS OF RECENT IMPROVEMENTS TO LOBSTER!

WQ isn't sure how much disk the task needs, so it starts out by taking up the whole worker. As tasks return, the disk allocated settles to the real requirement.

## RESOURCE MONITORING FEEDBACK LOOP



To reduce long processing tails, allow specification of workflow dependencies!

## WORKFLOW DEPENDENCIES

