



Gathering DUNE framework requirements

4 October 2019

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- SCD needs descriptions of:
 - The processing tasks DUNE must perform to meet its physics needs
 - The types of computations required
 - The data (movement) required
 - The dependencies between these tasks
 - Which tasks are independent of each other, and thus parallelizable

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- We need to know your constraints (e.g.):
 - Memory limits
 - Turnaround time from data collection to reconstructed objects

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Alice: You can do 1, 2, or 3...but why do you want to solve Y?

Bob: Because then I can do X.

Alice: Then let's figure out how to do X.

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- The XY problem
 - Bob:** How do I solve Y?
 - Alice:** You can do 1, 2, or 3...but why do you want to solve Y?
 - Bob:** Because then I can do X.
 - Alice:** Then let's figure out how to do X.
- Discussions about existing frameworks
 - There will be a time for that but “it is not this day”.
 - Framework design *follows* gathering of requirements.