

# Toward a Cognitive API

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# How Best to Expose Proto-AGI Capabilities to Application Developers?

Perhaps via API calls embodying concrete questions like:

- What events are occurring in this visual scene?
- What subgoals would best be pursued to achieve this goal?
- What relationships might be hypothesized between these two entities? (two people ... two genes...)

Could/should there be a common API wrapping multiple proto-AGI systems, much as WEKA and Waffles wrap multiple ML algorithms?

# API-Q

Practical, qualitative measure of the general intelligence of a software system based on its effectiveness at fulfilling API functions (optionally: using a diversity of methods)

$$APIQ = \text{total API quality}^a * \text{API generality}^b$$

Can also add an Occam term to penalize complexity