

cadCAD Golem

<https://github.com/rogervs/cadcadgolem>

A cadCAD workload distributor

cadCAD

An open-source Python package that assists in the processes of designing, testing and validating complex systems through simulation.

cadCAD helps you answer the "what if" questions about your system

What if I'm not sure about A of my assumptions?

- Account for uncertainty in your models using Monte Carlo methods to run stochastic simulations

What if agents that interact with my system behaved differently?

- Make different assumptions about agent behavior while keeping the rest of the system constant with A/B testing

What if I changed this parameter?

- Make an informed decision when fine tuning your system with data from a parameter sweeping simulation

cadCAD Golem

1. Wraps cadCAD engine executor
2. Splits cadCAD simulation workload into separate simulation bundles
3. Communicates with Yagna through Yapapi
4. Yagna negotiates with Golem network
5. Yagna sends simulation configurations to Golem Nodes
6. Golem nodes do computation
7. Yagna collects processed data
8. cadcad Golem recompiles separate data bundles into one result package

Process Flow

