Agoraplex Platform Meta-package Documentation

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CHAPTER

ONE

OVERVIEW

The *Agoraplex* platform is a collection of tools for building applications in Python based on a healthy mix of idiomatic Python and sexy paradigms, including:

- Representational State Transfer

  Yes, we HATEOAS, too.

- Functional programming

  ...especially Function composition (computer science)

Core philosophies embodied in the platform (i.e., our favorite Kool-Aid flavors):

- Small pieces, loosely joined.

  ...both in Weinberger's original sense, and in the sense that we try to maximize cohesion within the platform's parts, and make each part maximally useful on its own.

- Strong opinions, weakly held

  The platform is opinionated, inasmuch as the *path of least resistance* reflects our opinions and best practices, as refined over time. However, the platform also does its best *not* to stand in the way of your forming your own opinions, and revising them as you "prove yourself wrong."

Although designed to function independently, the web application components work well with the Pyramid framework

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CHAPTER

TWO

COMPONENTS

The platform consists of:

- *predicates* A collection of predicate factories, functions, and partials, for functional programming.
- *capsec (forthcoming)*: An object-capability model toolkit for sharing secure *interprocess* references.

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