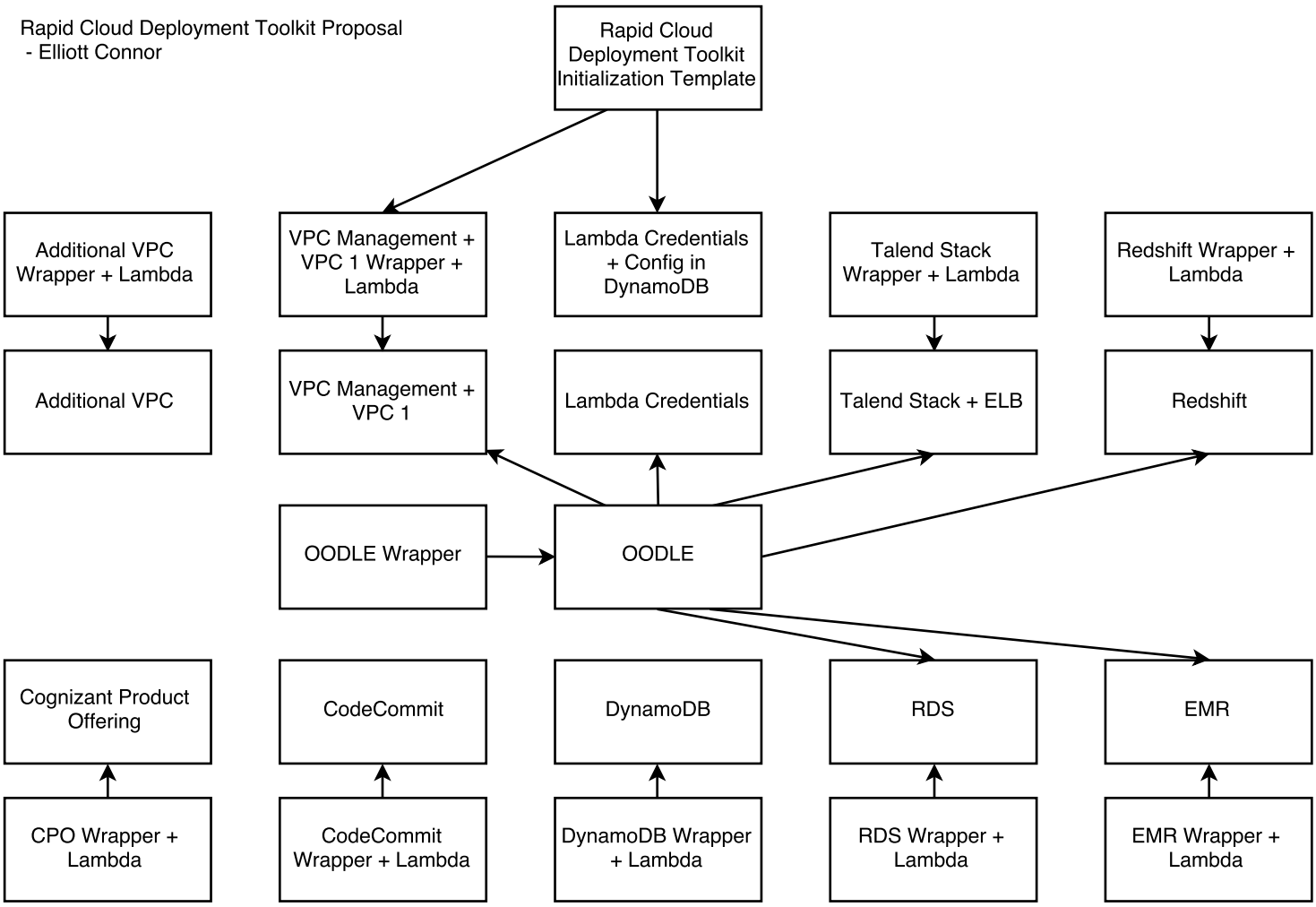
Rapid Cloud Deployment Toolkit Proposal
- Elliott Connor



The OODLE stack will become a highly adjustable but fully featured single product launch. The true or false flags will be removed, but all sizing options will be exposed.

The OODLE Wrapper will hide all non-essential configuration options to make the simplest possible launch.

This will enable a simple single item to be launched by the individual OODLE integrator in a timely fashion for the initial product.

Modularity will be enabled by the Rapid Cloud Deployment Toolkit. By maintaining all infrastructure information in a small DynamoDB table, and constantly updating with Lambda functions as more resources are created a modular infrastructure can be easily maintained without the need for an extremely cumbersome series of flags. This will also enable true modularity rather all decisions being made at OODLE startup.

These additional wrappers will be in the form of scripts that can can take required inputs in an intuitive fashion, incorporate the information in the DynamoDB table and launch the infrastructure.

The reason this is important is because at some point we will need someone who is not myself or Ed to set up the infrastructure. If anyone else would need to be launching anything more complicated than the OODLE Wrapper, some layer of abstraction is required.

Emphasis: The non-modular OODLE-Wrapper will be sufficient for the initial product timeilne. The expanded modularity will be essential to maintain the OODLE offering over a long period of time and for a variety of customer demands.

Benefits:

- Full Modularity
- Layer of abstraction for ease of use
- Future products can be easily incorporated (Jupiter, IOT, Deeplearning)
- Allows leverage of CLI and Lambda instead of purely cloudformation templates
- Significantly longer architecture lifespan
- Easy replication of pre-designed features

Drawbacks:

- Simplicity later requires a lot of complexity now
- A lot of work