# Terminology

Applications

Application Instances (if we end up with load balanced applications, or true microservices w/ docker + Kubernetes)

Application Environments

Application Configuration Requests

* records of when an application has requested configuration, and what was returned.

Configuration Entries

Configuration Hierarchy

Configuration Groups

Configuration Sections

Configuration Overrides (per application?)

Configuration Scopes (global, application)

Configuration Sections

Configuration Subsections (parent section)

Configured Values

Features

Feature Toggles

# Use Cases

Register Configuration Entry (scheduled)

Register Configuration Change (scheduled)

Create Configuration Entry

Update Configuration Entry

# Events

Configuration Entry Added

Configuration Entry Updated

## Validation

Configuration Key Conflict – Not Unique

# Rules

Each configuration entry will have a unique key.

# Concerns

Auditing – who made configuration changes and when (complete history).

Security – sensitive configuration values should be protected.

Logging – extensive reporting of application errors / failures.

Availability – this config API is a single point of failure, so it must be highly available.

# Application Environments

Local (global local config)

Local (specific developer – overridden)

Development

Testing

Staging

Production

Training