Controlling your Edge
What’s control mean?

So you’re going to tell me about fast configs right? #snooze

Kinda, but that’s literally the simplest bit.

- Control means avoiding and minimizing mistakes altogether, not just fixing them quickly

We’re taking our mature internal tooling, and letting our customers use it.
Simple format

- Everything in one place
- Dev friendly
  - JSON
  - Simple
  - Easy to understand

```json
{
    "platform": "edge",
    "customer_id": "A307",
    "origins": {
        "edgecontrol-origin.io": {
            "https": {
                "balancer": "primary-failover",
                "backends": [
                    {
                        "port": 443,
                        "hostname": "primary.edgecontrol.io"
                    }
                ]
            }
        }
    },
    "cnames": {
        "demo.edgecontrol.io": {
            "tls": True
        }
    }
}
```
Native testing

- Unit tests for your Edge configs
- Dev friendly
  - JSON
  - Simple
- Run when configs change

POST /edgecast/v0.1/edgeverify/tests
Host: https://api.vdms.io

{
  "name": "edgecontrol.io_ev_plan",
  "platform": "edge",
  "customer_id": "A307",
  "test_suite": {
    "name": "get all main page",
    "request": {
      "url": "https://demo.edgecontrol.io/"
    },
    "response": {
      "status": 200,
      "headers": {
        "content-type": "eq text/html",
        "cache-control": "eq no-cache"
      }
    }
  }
}
Canary release

- Internal tooling presented at Velocity ‘15
- Every new config version is a canary
- You control when and where the config change is applied

POST /edgecast/v0.1/canary/plan
Host: https://api.vdms.io

```
{
    "name": "edgecontrol.io_canary_plan",
    "customer_id": "A307",
    "platform": "edge",
    "phases": [
        {"scope": "staging"},
        {"scope": 1, "pops": ["ams"]},
        {"scope": "half-pop", "region": "Asia"},
        {"scope": "half-3-pops", "region": "North America"},
        {"scope": "half-6-pops"},
        {"scope": "full-6-pops"},
        {"scope": "global"}
    ]
}
```
Visibility and Explorable Data

- Real time visualization of canary effects
- Specific test and control aggregations
- Ad-hoc queries
Thank you.

Come see me at booth 801 to chat more