
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

```
{
  "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

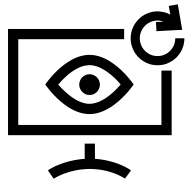
- Internal tooling presented at Velocity '15
- Every new config version is a canary
- You control when and where the config change is applied

POST /edgecast/v0.1/canary/plan

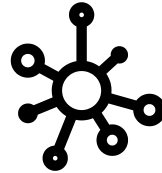
Host: <https://api.vdms.io>

```
{
  "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"}
  ]
}
```

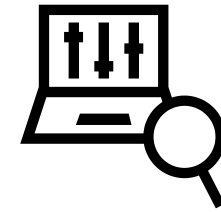
Visibility and Explorable Data



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