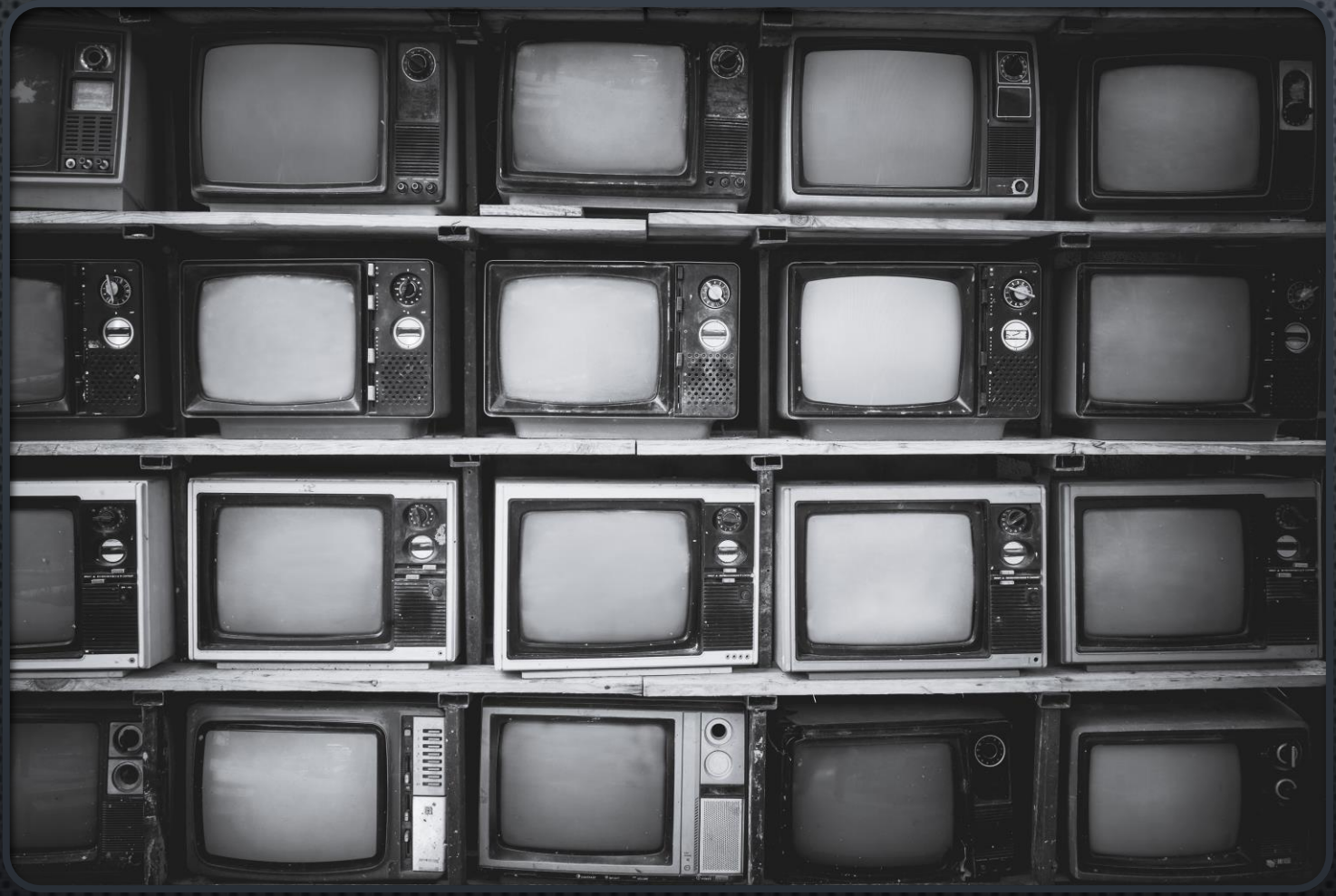
Streaming Media Tracing

Chris Lemmons

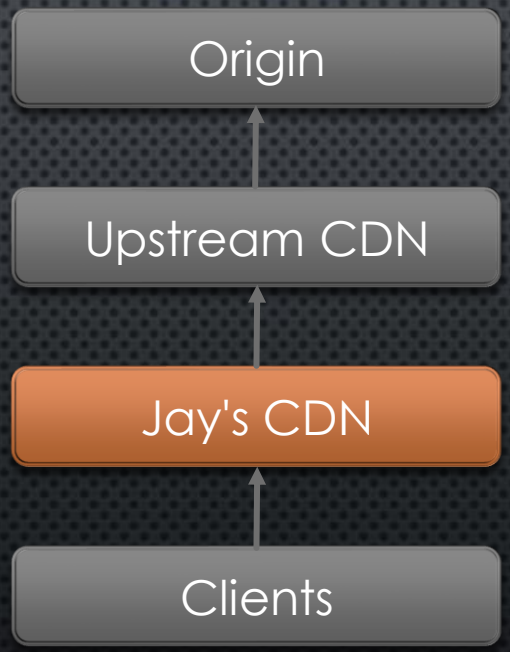
CTA-WAVE SMT WG

- Consumer Technology Association
- Web Application Video Ecosystem
- Streaming Media Tracing Working Group

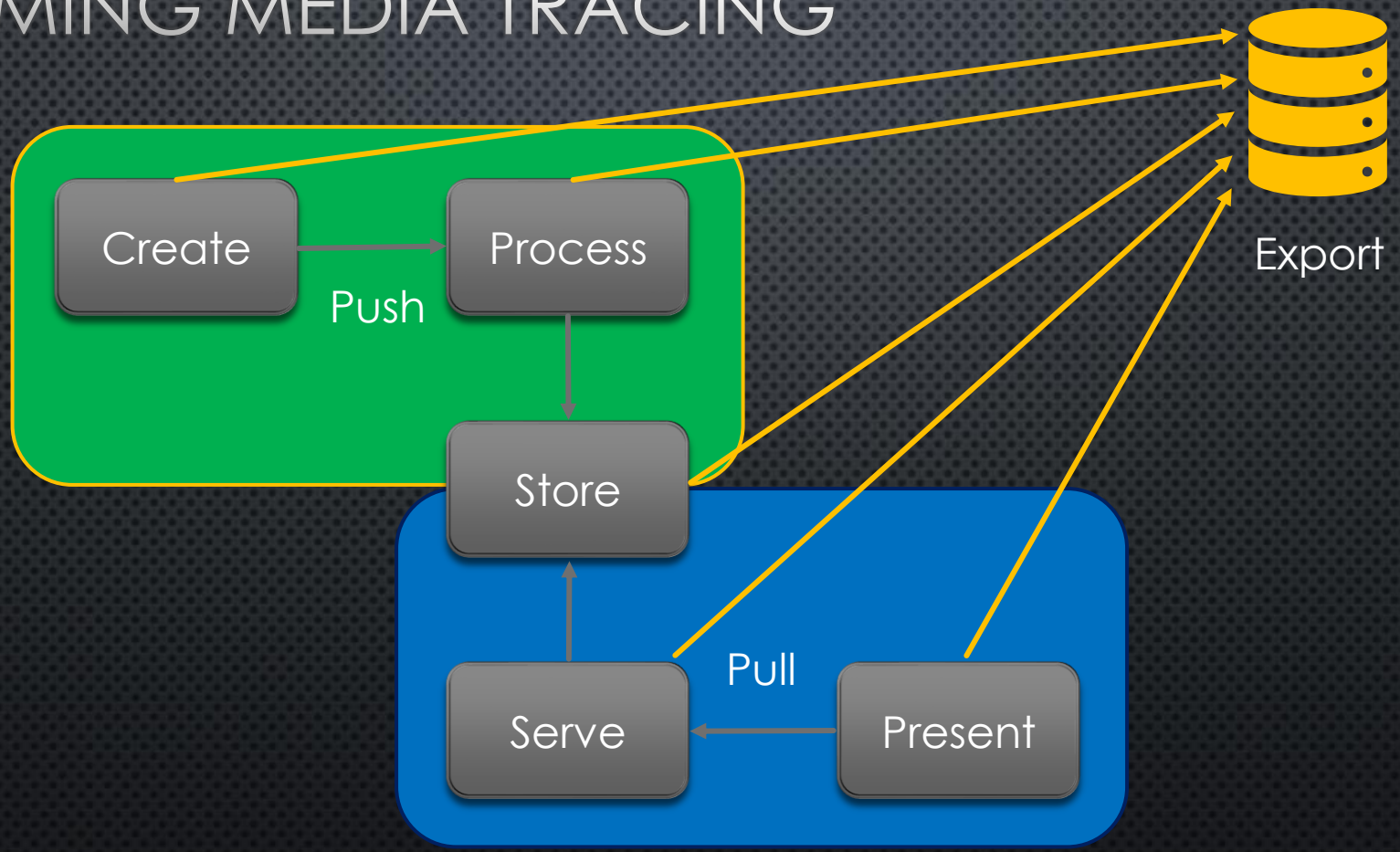


A STORY

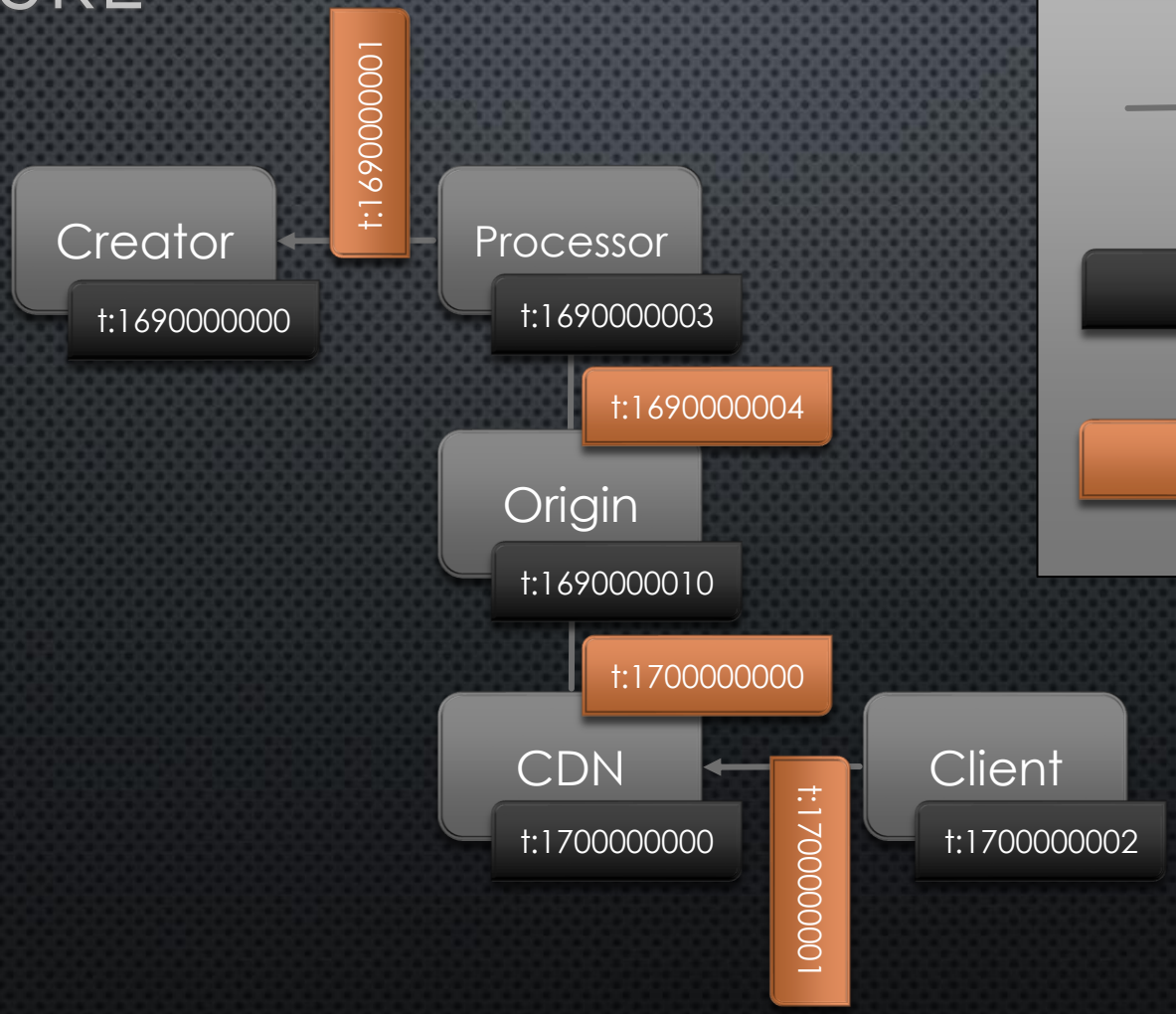
CONFIGURATION

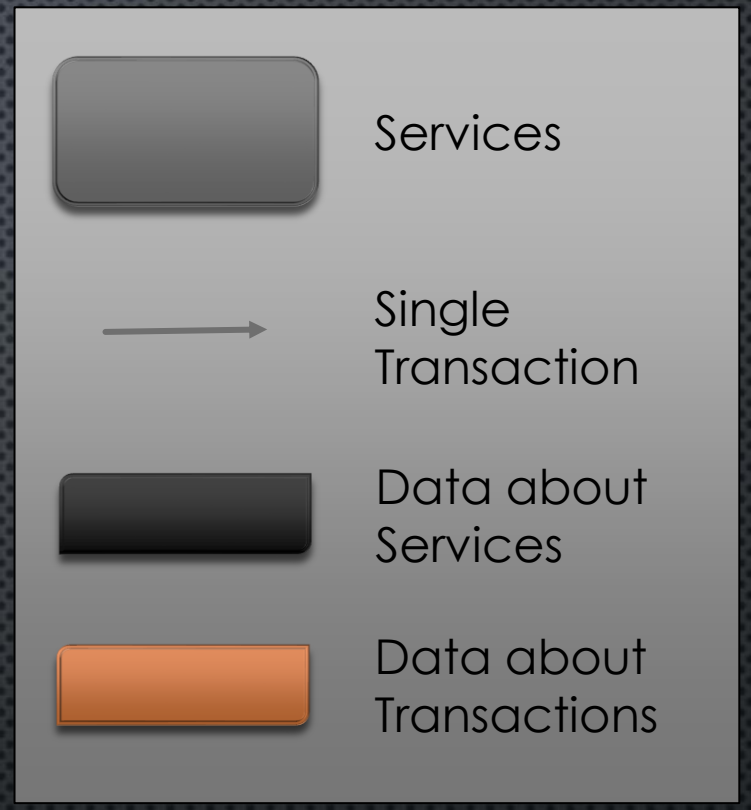


STREAMING MEDIA TRACING

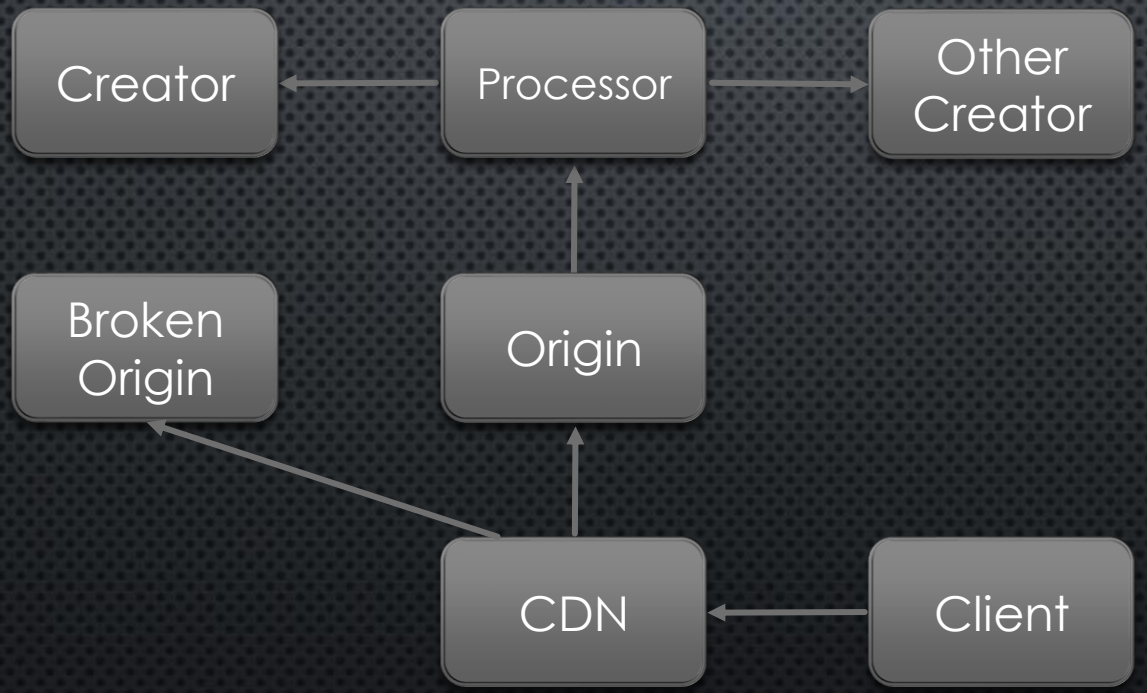


STRUCTURE

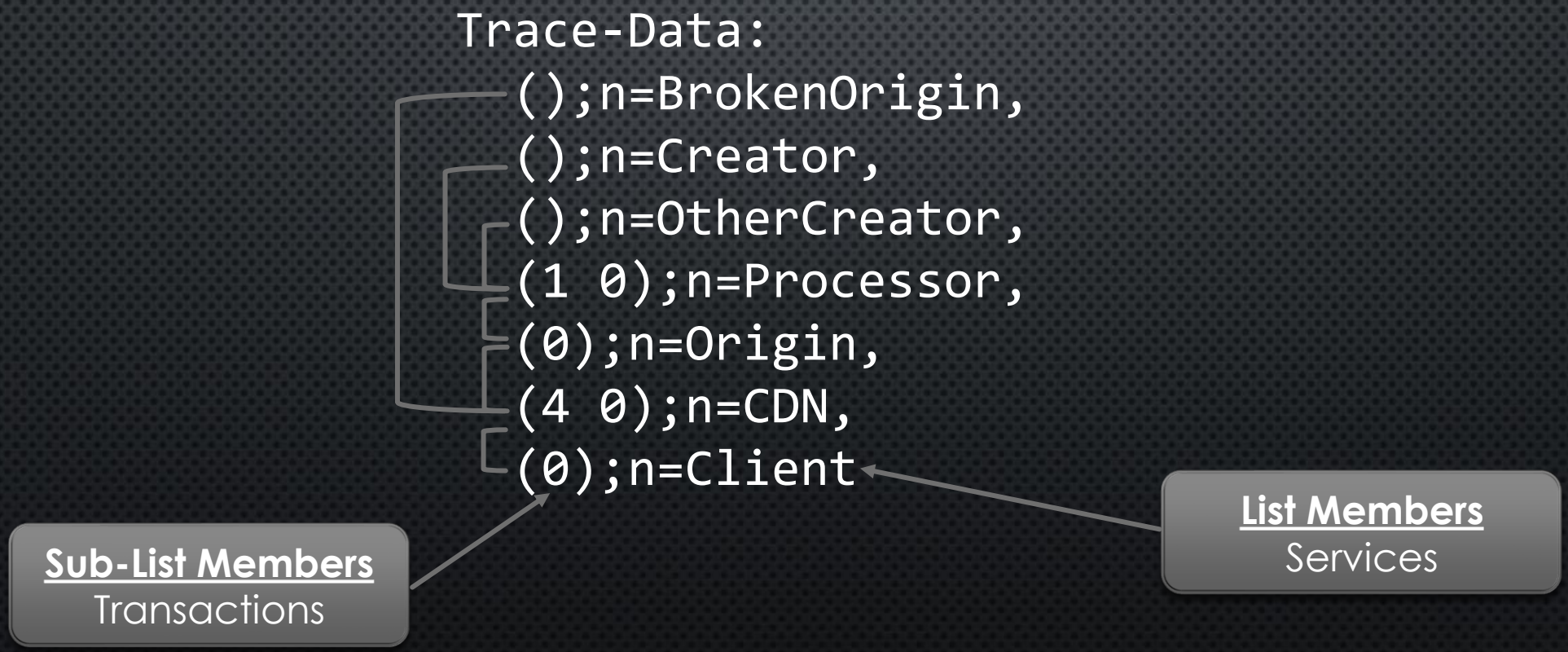

Creator
t:1690000000
t:1690000001
Processor
t:1690000003
t:1690000004
Origin
t:1690000010
t:1700000000
CDN
t:1700000000
t:1700000001
Client
t:1700000002


Services
Single Transaction
Data about Services
Data about Transactions

STRUCTURE


Creator
Processor
Other Creator
Broken Origin
Origin
CDN
Client

HTTP RESPONSE HEADER



EXPORTED DATA

Very Early Design!!!

```
[
  {/n/ 1: "Client"},
  [
    {/^/ 0: [                ], /n/ 1: "BrokenOrigin"},
    {/^/ 0: [                ], /n/ 1: "Creator"},
    {/^/ 0: [                ], /n/ 1: "OtherCreator"},
    {/^/ 0: [{/^/0:1},{/^/0:0}], /n/ 1: "Processor"},
    {/^/ 0: [{/^/0:0}        ], /n/ 1: "Origin"},
    {/^/ 0: [{/^/0:4},{/^/0:0}], /n/ 1: "CDN"},
    {/^/ 0: [{/^/0:0}        ], /n/ 1: "Client"}
  ]
]
```

Sub-List Members
Transactions

List Members
Services

STORY LOG

Very Early Design!!!

```
[
  {/n/ 1: "Client"},
  [
    {/^/ 0: [                    ], /n/ 1: "e1.ucdn.example.net"},
    {/^/ 0: [{/^/0:0}            ], /n/ 1: "origin.example.net"},
    {/^/ 0: [{/^/0:0}            ], /n/ 1: "e2.ucdn.example.net"},
    {/^/ 0: [{
              /^/0:2
              "ps-error":"connection_error"
             },
             {/^/0:0}
            ], /n/ 1: "jaycdn.example.net"},
    {/^/ 0: [{/^/0:0}            ], /n/ 1: "client"}
  ]
]
```

FIN

Questions, Time Permitting