Per-Delivery-Service Routing Names
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Per-DS Routing Names

Background

• Started working at Comcast on the CDN team ~5 months ago
• My first project: this
• “It’ll be fun,” they said...

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Per-DS Routing Names

What is a routing name?

• Example URLs:
  • http://tr.my-http-ds.cdn.com
  • http://edge.my-dns-ds.cdn.com

• DNS Routing name: edge
• HTTP routing name: tr
  • (or whatever you’ve configured at your traffic routers...more on this later)

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Per-DS Routing Names

“per-delivery-service”?

- For each delivery service, you can choose whatever Routing Name you want
  - ...as long as it’s a valid non-dotted hostname, e.g. foo, bar, drake, ccr

- Default routing name: “cdn”
  - most creative thing we could think of...e.g. http://cdn.myds.cdn.com
Per-DS Routing Names
Annoying UI bug for open source users

Example delivery URL  http://ccr.demo.jenkins.cdnlab.comcast.net

Example delivery URL  https://ccr.demo.jenkins.cdnlab.comcast.net

But…isn’t that supposed to be:
“http://tr.demo.jenkins.cdnlab.comcast.net”?  

YES. Now it is.
Per-DS Routing Names
New fields in the DS forms

Old UI

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>* Content Routing Type</td>
<td>HTTP</td>
</tr>
<tr>
<td>Routing Name</td>
<td>ccr</td>
</tr>
<tr>
<td>* Protocol</td>
<td>http and https ↓</td>
</tr>
</tbody>
</table>

Best UI

- CDN *
- Select...
- Routing Name: cdn
- Protocol *
- 0 - HTTP

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Caveats

• **DO NOT TRY THIS AT HOME:** changing the Routing Name after deployment
  • TLS certificates Common Name change
  • Queue Updates/Snapshot -> the edge caches and Traffic Routers will be out of sync for some period of time, which means **downtime** for that Delivery Service
  • Could pull of some trickery using a CNAME static DNS entry and ANY_MAP Delivery Service with a raw remap line
  • Might be easier to just transition clients to a new Delivery Service

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Per-DS Routing Names
Upgrading to 2.2 (future release)

• Hopefully this doesn’t apply to you:
  • Have you checked your http.routing.name in your http.properties Traffic Router config file recently?
  • If it’s unset or set to “tr”, you have nothing to worry about
  • If set to something super cool and unique, you have to create this special Profile Parameter before upgrading:
    • Name: upgrade_http_routing_name
    • Config file: temp
    • Value: <enter super cool and unique name here>
  • Add this parameter to ONE profile per CDN using that name

• Always back up your DB and read the release notes!

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Live demo time
Questions?
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asdf

- Asdf
- Asdf

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