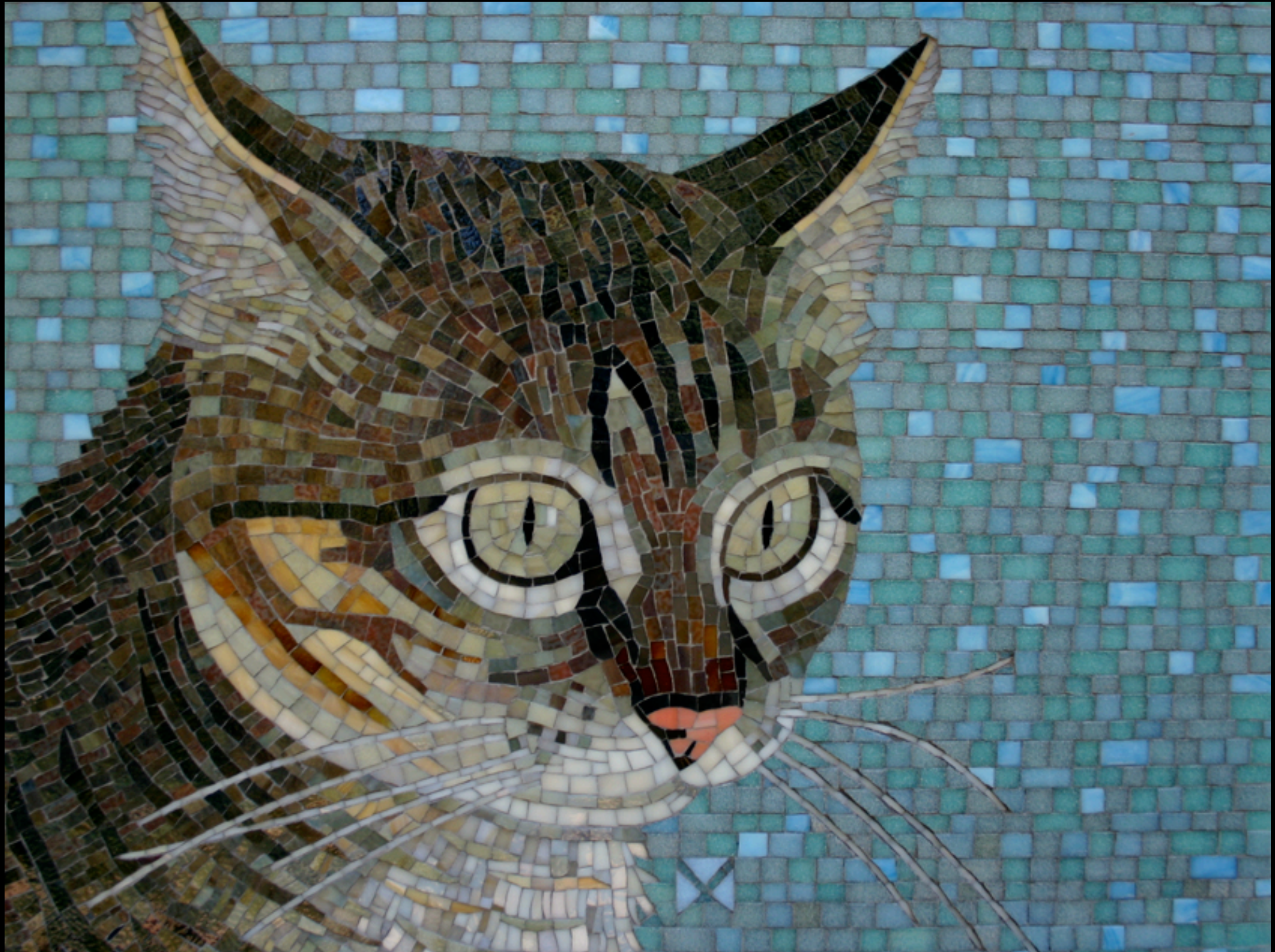


GROUT

Groupon Routing Service



“Grout is used to fill the spaces between tiles or mosaics, and is often used to secure tile to its base.”

<http://en.wikipedia.org/wiki/Grout>

What

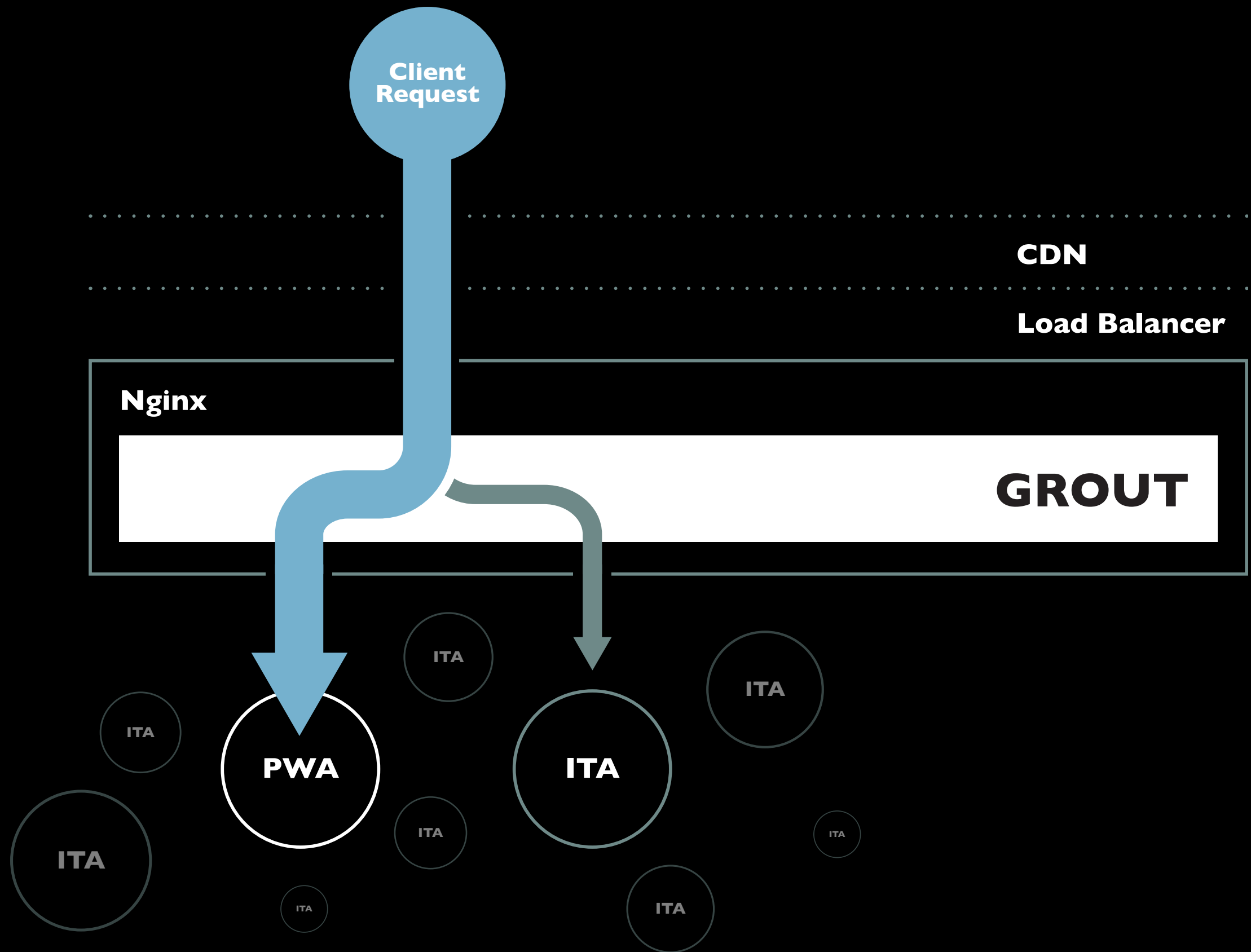
- Grout allows for seamless mounting of ITier applications (ITAs) alongside existing primary web applications (PWAs)

Why

- Simplify process for launching new ITAs
- Allow A/B testing of ITAs vs PWA implementations
- Consolidate routing rules so they can be managed from a single web interface

How

- Grout examines request b cookies and determines the upstream service (PWA or ITA) to forward the request to based on routing layer definitions
- Uses same A/B testing concepts and bucketing algorithm as Finch



How

- Routing layers define experiments with predetermined routes and routing logic
- Grout loops through all routes in the order they're defined to quickly identify possible upstreams for a given request:

Example URIs that Grout can route:

- /browse/chicago
- /deal/my-best-deal-ever/confirmation
- /user/thetristan33/mygroupon

How

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How

- Routing layers define experiments with predetermined routes and routing logic
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Example URIs that Grout can route:

- /browse/:division
- /deal/:deal_id/confirmation
- /user/:user_permalink/mygrouppons

When

- Live in all environments today and ready for production use *now*
- *Using a temporary workaround?*
Email routing-service@groupon.com for help with removing your temporary workarounds and migrate to the routing service today

Ready to Grout?

- Open a Jira ticket for the **Routing Service** project
- Include the following details in the description for your ticket:
 - URLs you need to route
 - Hostnames for your app in each environment
 - VIP names for staging and production
 - Link to your repo on Github

Questions?