Session 20
Globally distributed systems

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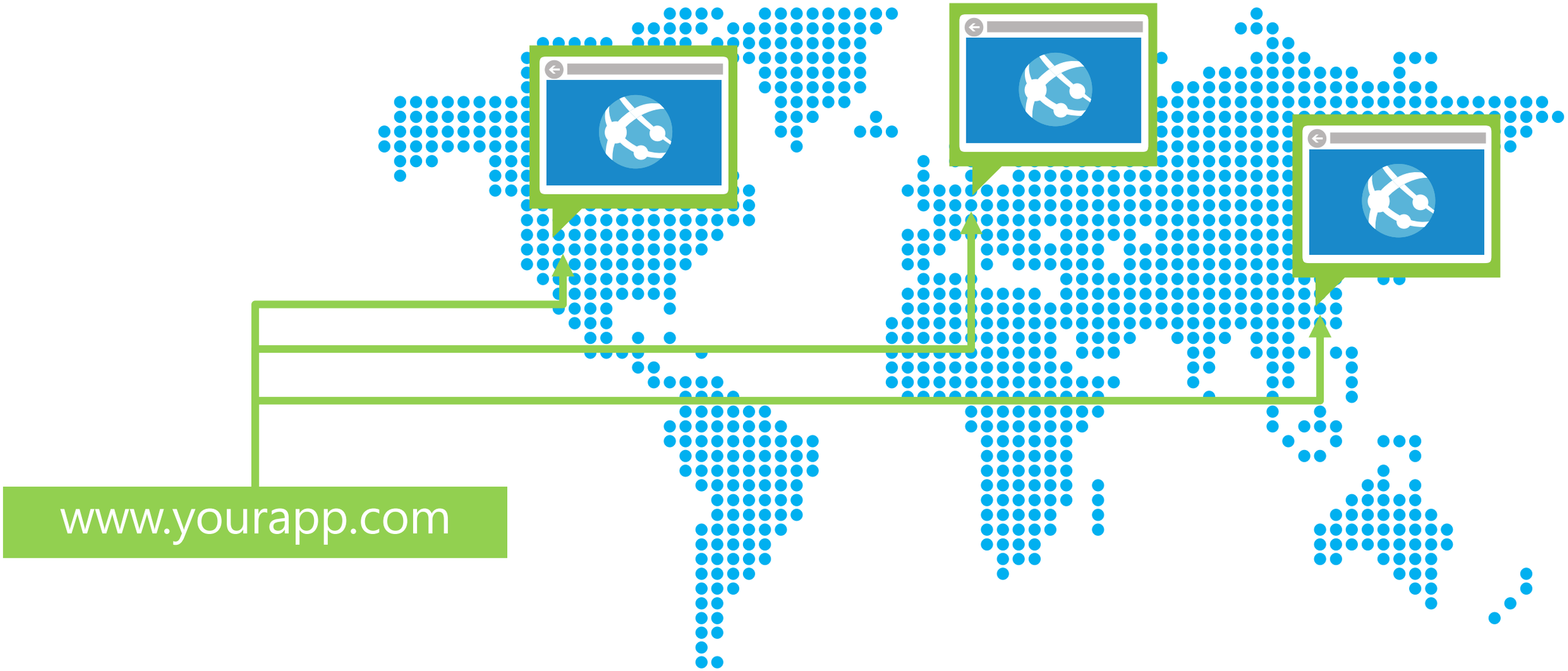
Housekeeping

- Please keep yourself muted unless you are participating in the conversation, so we can have a more clear recording.
- If you have questions – don’t hesitate and ask.

Traffic Manager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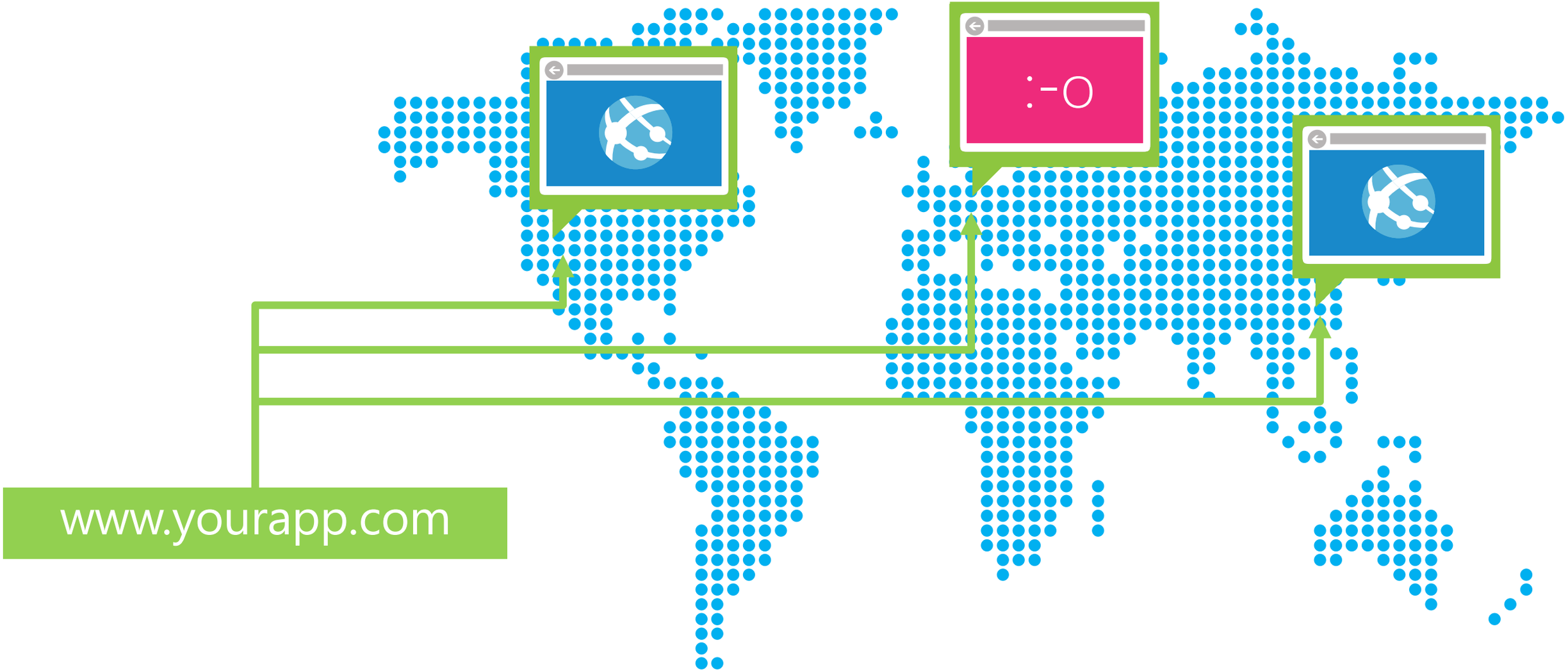
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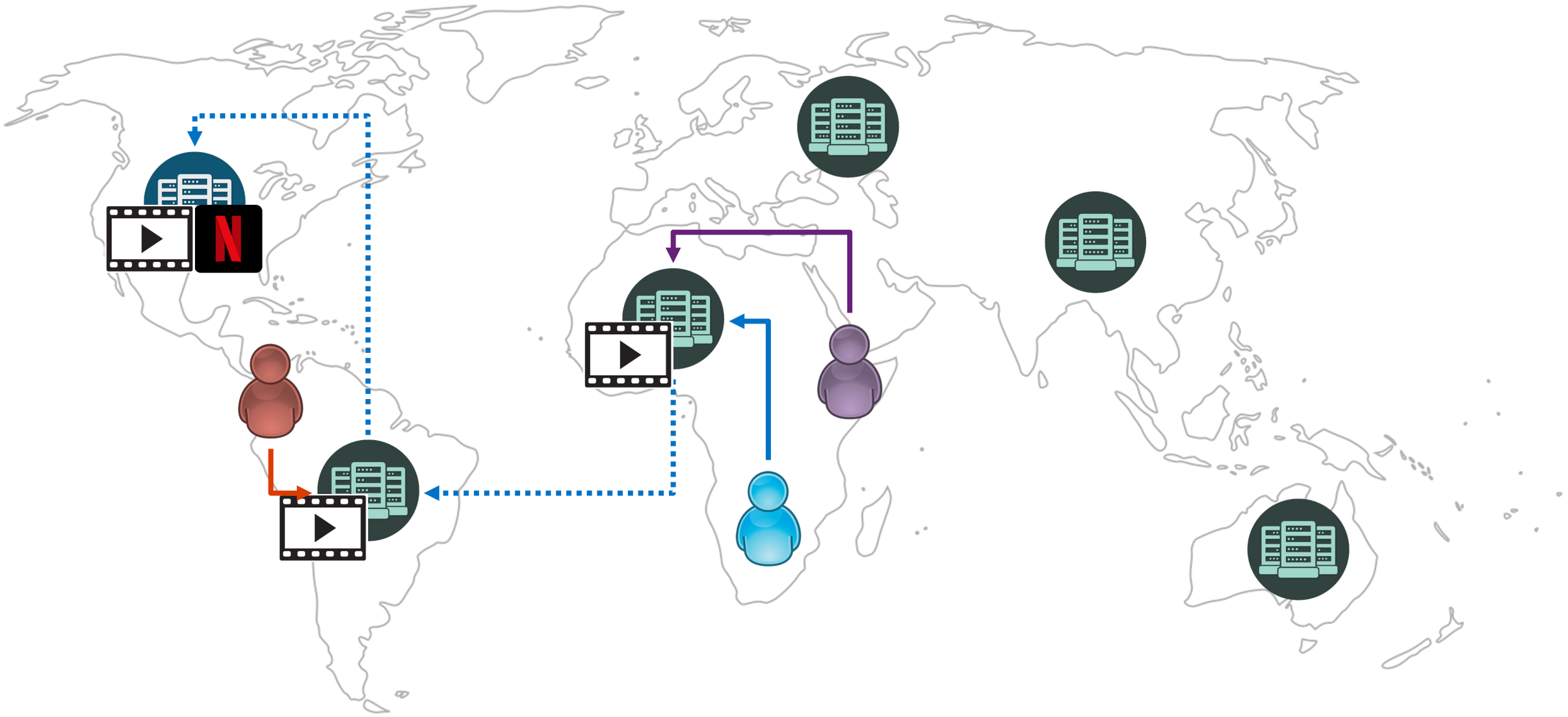
DEMO

Traffic Manager

CDN and ADN

CDN



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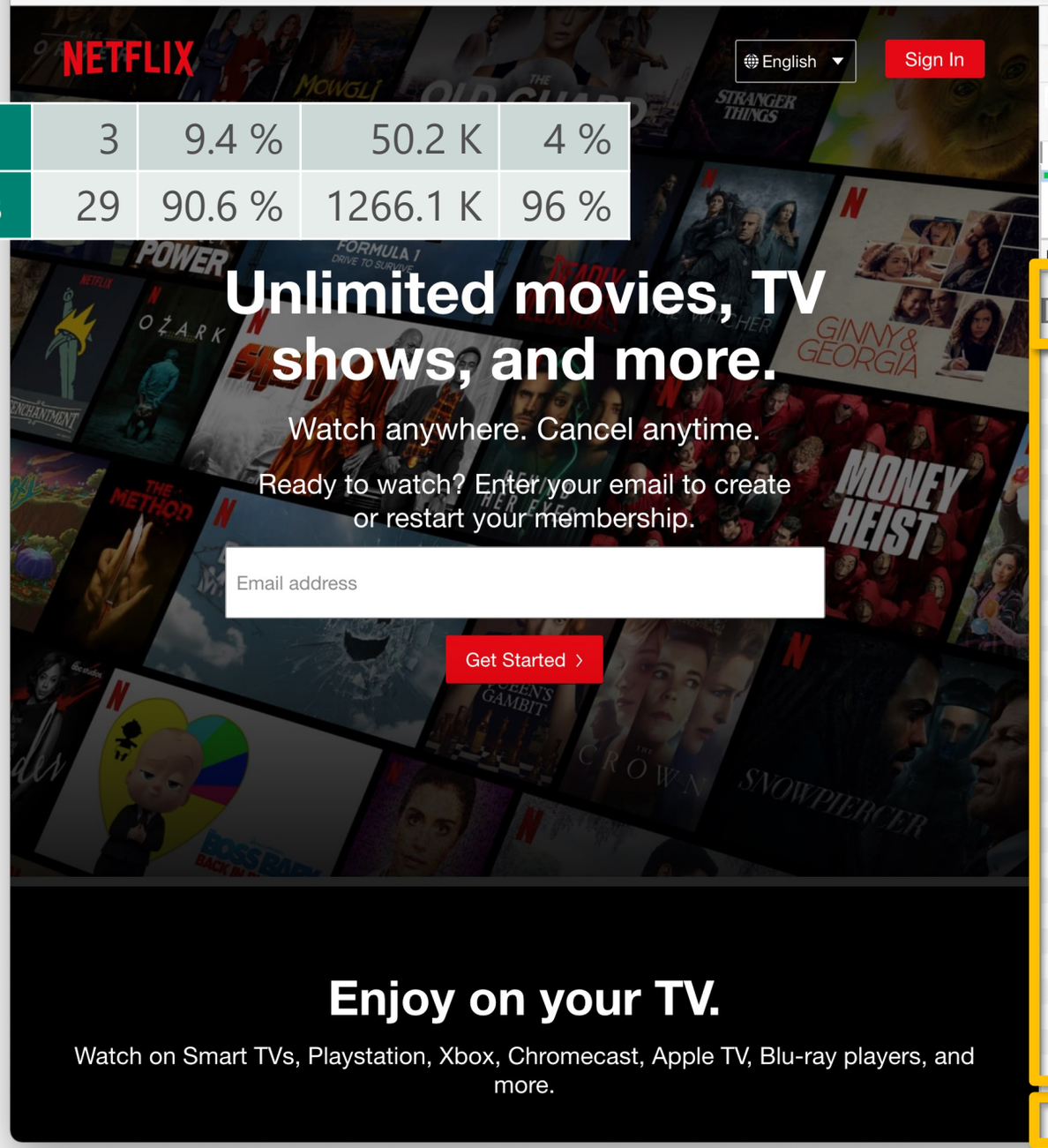
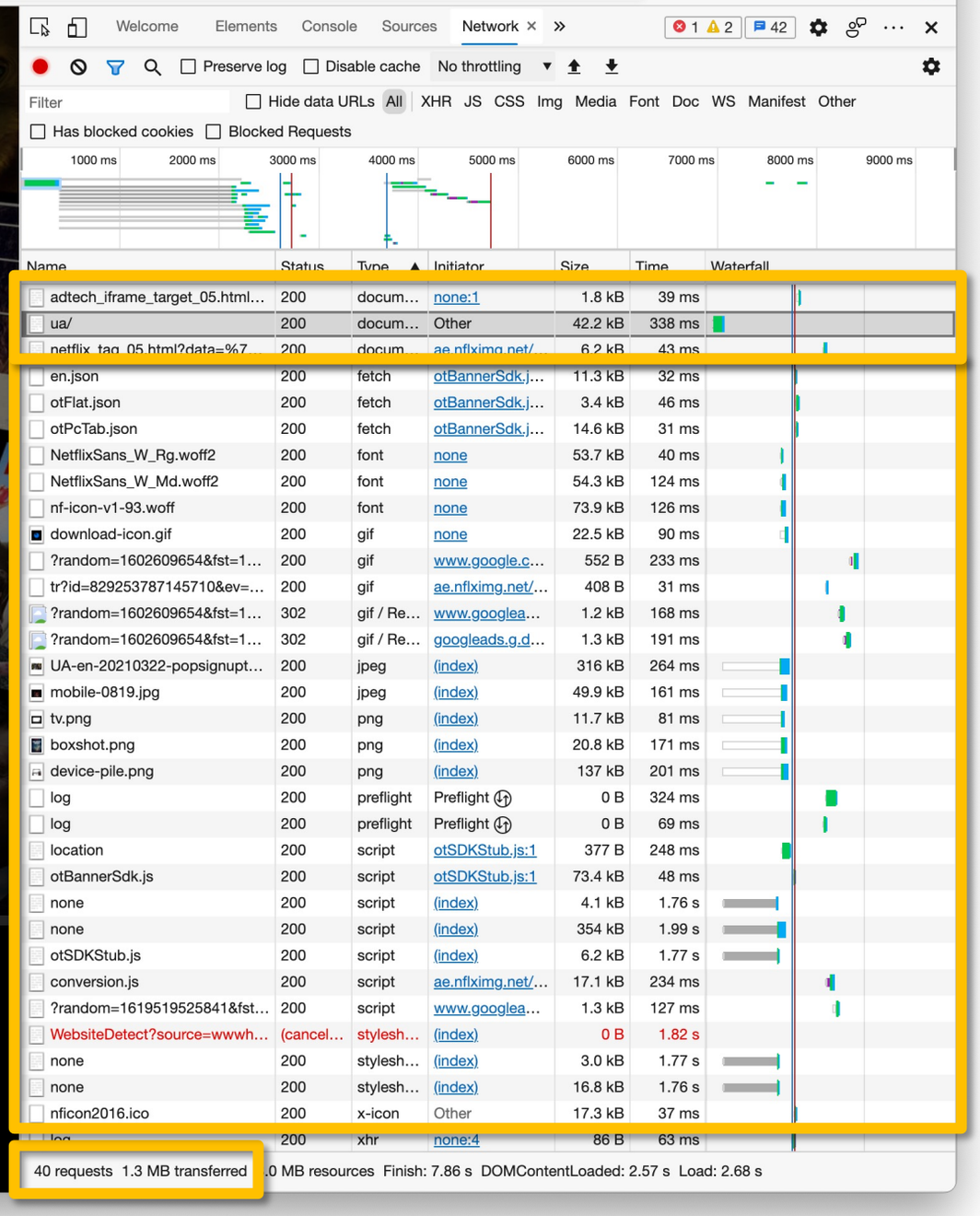
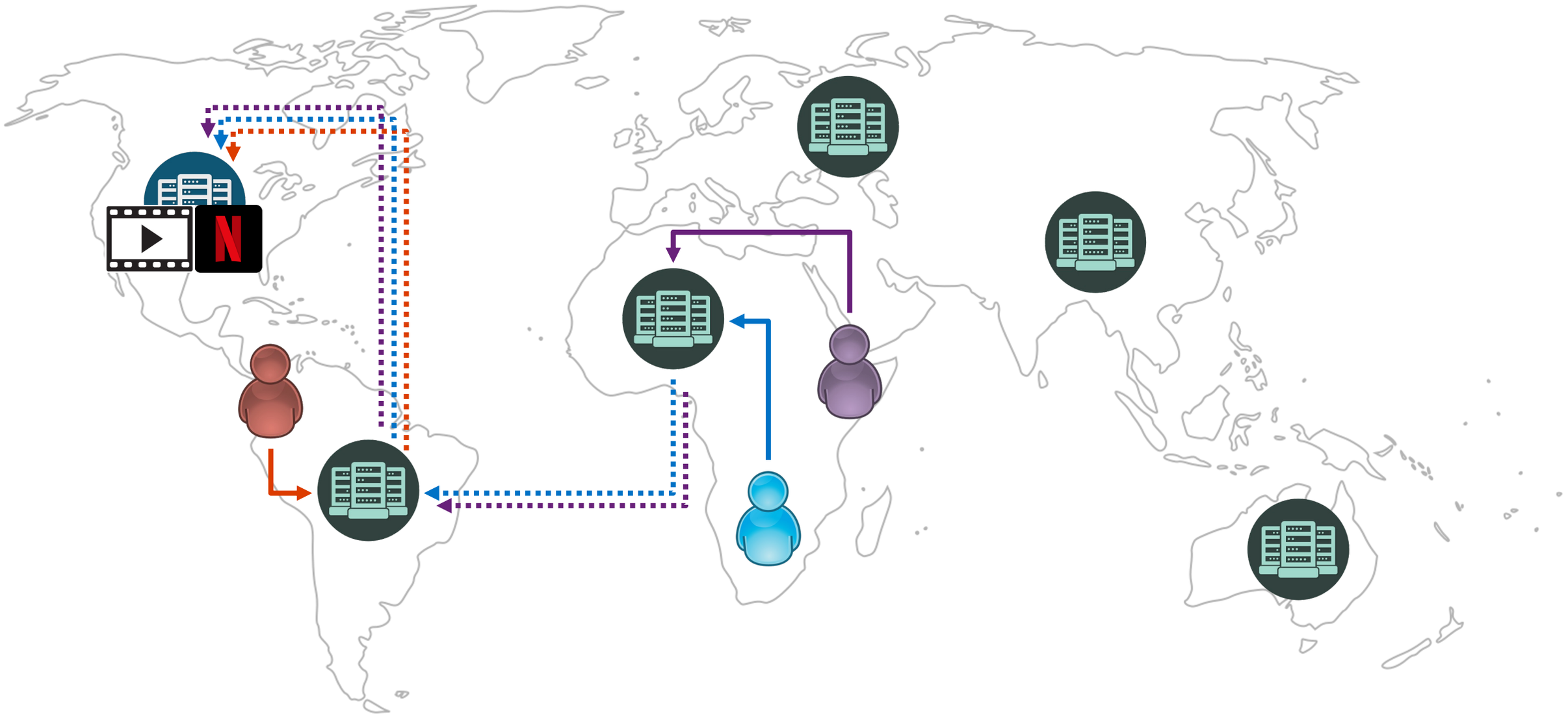
Assets	29	90.6 %	1266.1 K	96 %





ADN



CloudFlare

Accelerate Origin Traffic with Smart Routing

To use Argo Tunnel, you'll need to enable your Argo subscription in the Cloudflare dashboard. Argo includes access to: Smart Routing, Tunnel, and Tiered Caching.

Argo Smart Routing improves application performance by routing visitors through the least congested and most reliable paths, using Cloudflare's private network. Smart Routing reduces average origin traffic latency by 30% and connection errors by 27%.

Learn more ›

DEMO

Front Door

Questions?

Homework

Do (App Service)

- Deploy 3 App Services for Containers (host-1, host-2, dr) in different regions.
- Deploy a simple website to host-1 and host-2.
- Deploy a sorry page to dr.
- Disable HTTPS only mode.

Do (App Service)

- Deploy 3 App Services for Containers (host-1, host-2, dr) in different regions.
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- Disable HTTPS only mode.

Do (Traffic Manager)

- Create one profile that will be connected to 2 App Services (host-1 and host-2).
- Use performance profile.

Do (Front Door)

- Create one profile that will be connected to host-1 and host-2 with priority 1 for both and dr with priority 5.
- Ensure HTTPS only for Front Door.
- All traffic to dr host should be explicitly served by the index.html page.

Do (App Insights)

- Create 4 Web Availability Tests (App Service 1, App Service 2, Traffic Manager, Front Door).
- Reuse automation from previous homework to:

❑ enable host-1 only from 0 minutes to 30 minutes of every hour.

❑ enable host-2 only from 15 minutes to 45 minutes of every hour.

Deadline

Recommended – by the end of the day 27.09.2022

Maximum – by the end of the day 30.09.2022