



DEVELOPERS LIVE

Content Delivery with AEMaaCS

Tips to setup your project to deliver fast experiences

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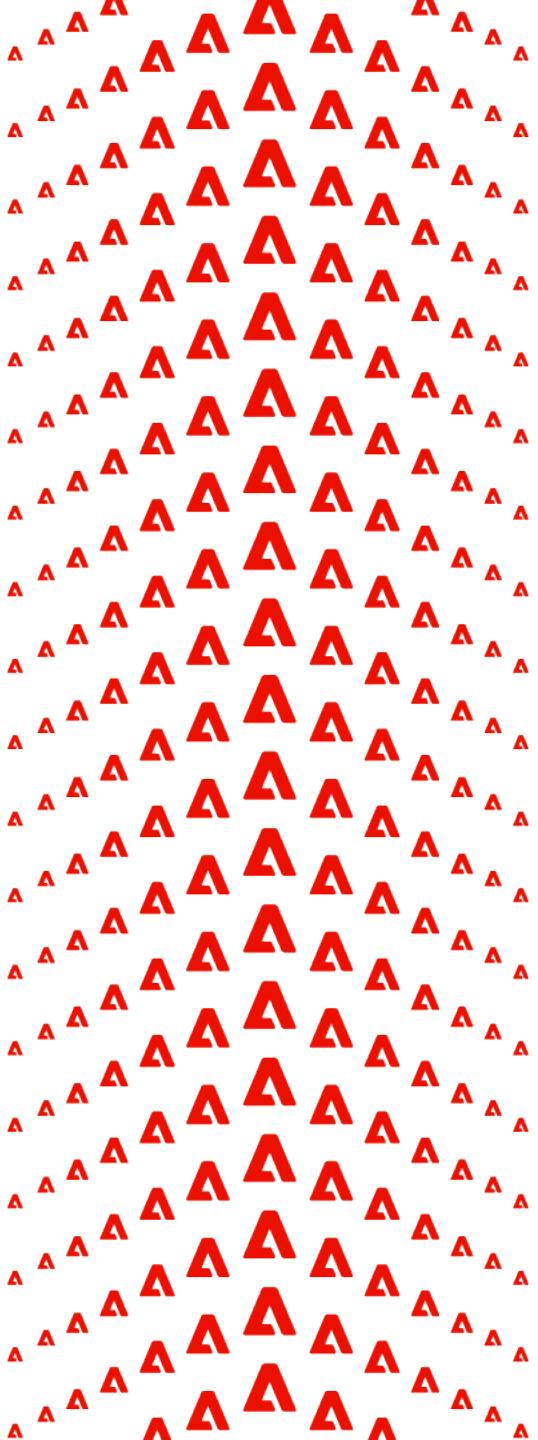
Agenda

Introduction to Content Delivery in AEMaaCS

Demo

Tips for Success

Questions



Delivering a Fast Experience

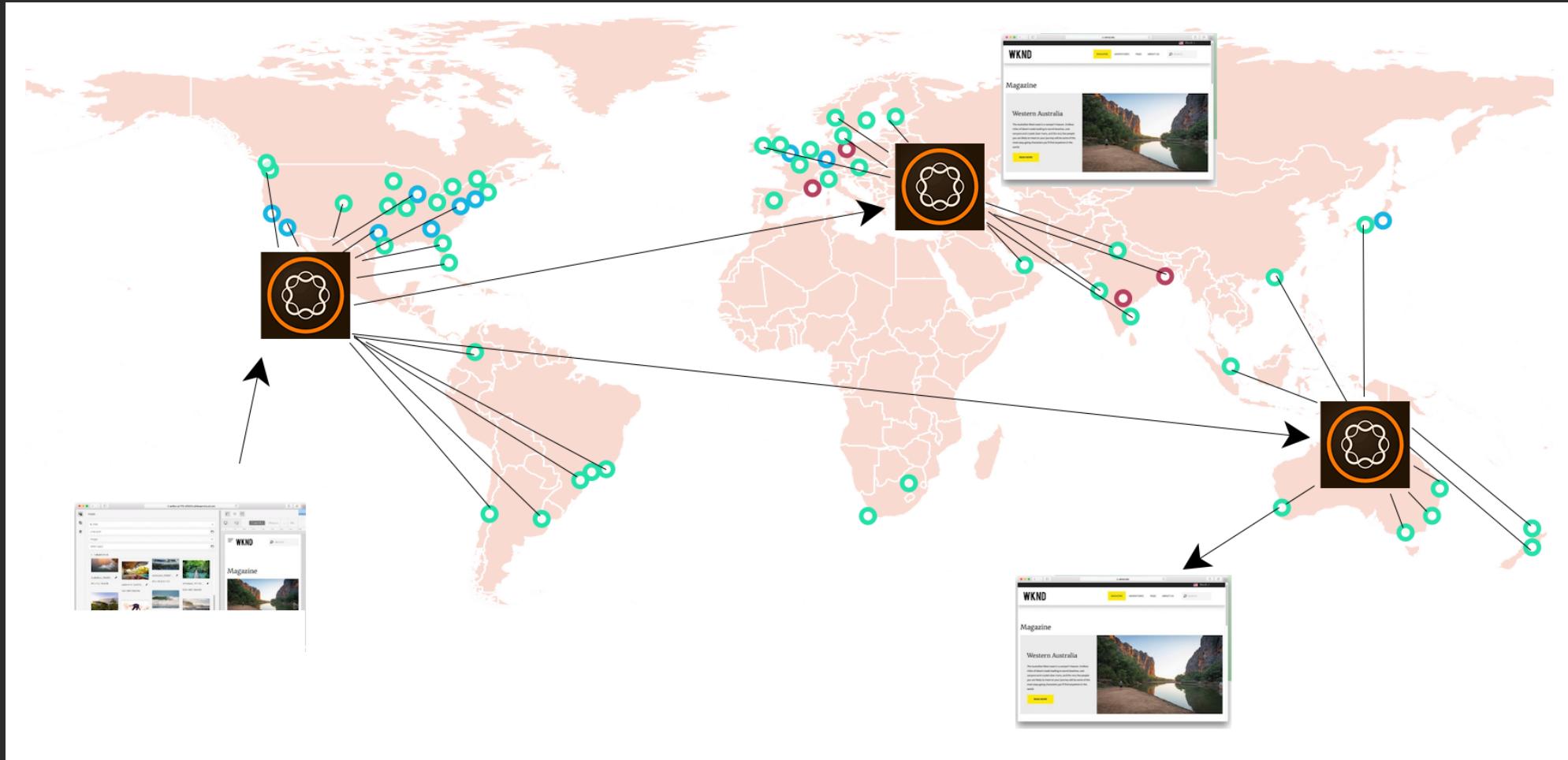
**AEM as a Cloud Service enables you to deliver
a new, fresh experience globally**

**Difference of 250
Milliseconds can give a
competitive advantage**

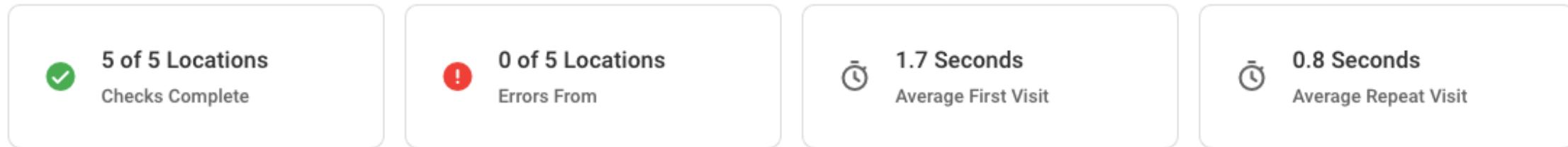
**Difference of 400
Milliseconds is
unconsciously influencing
the user**



AEM as a Cloud Service

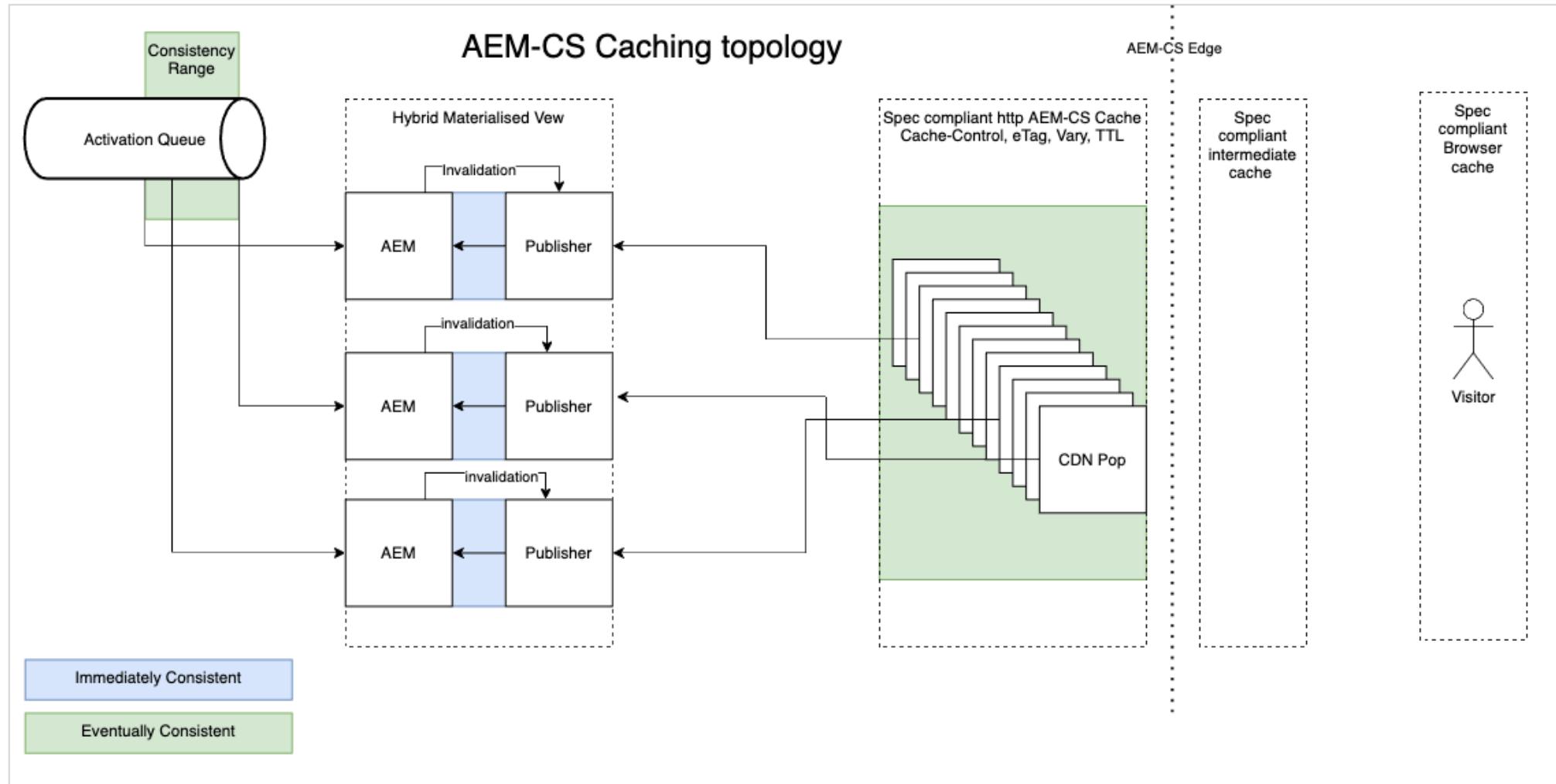


Demo – Response times from different locations



Website Preview	Location	Load Time First Visit	Load Time Repeat Visit	Perform...	Best Pr...	SEO	
	San Francisco	0.9 s	616 KB				
	Brisbane	1.1 s	616 KB				
	Buenos Aires	2.4 s	616 KB				
	Tokyo	3.3 s	616 KB				
	Madrid	1.0 s	616 KB				

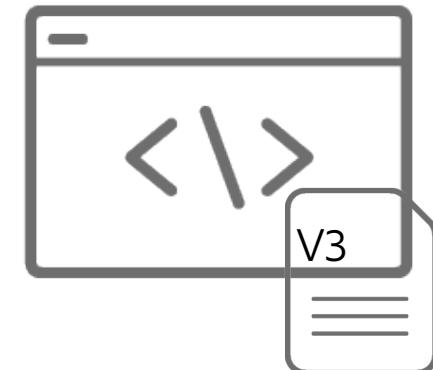
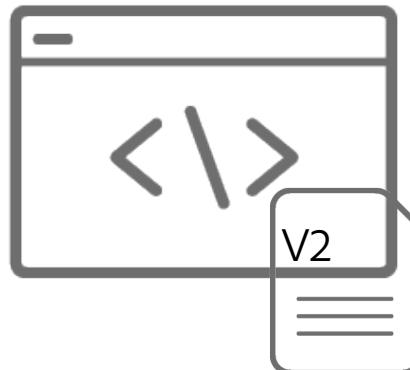
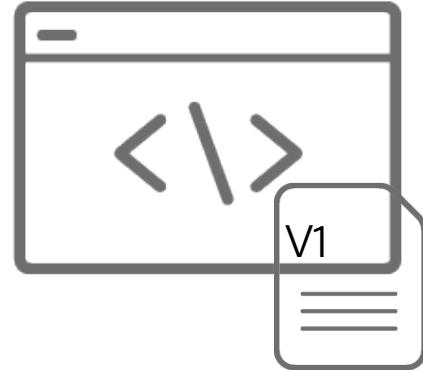
Cloud Service Caching Topology



Self-Service Configuration of the dispatcher

- Caching with AEMaaCS
 - Following standard HTTP Spec for caching will get most sites to 90%
 - For non permissioned content, goal is 100% cache ratio
 - For sure if it's under 80% we need to have a look
- Easily configure caching per path – mod_headers
- Easily configure per content type - mod_expires
- CDN will honour the the headers set in the dispatcher

Caching – Using Versioned Client libs



```
<link rel="stylesheet" href="/etc.clientlibs/wkndapp/clientlibs/clientlib-base.css" type="text/css">
```

```
<link rel="stylesheet" href="/etc.clientlibs/wkndapp/clientlibs/clientlib-base.lc-7c8c5d228445ff48ab49a8e3c865c562-1c.css" type="text/css">
```

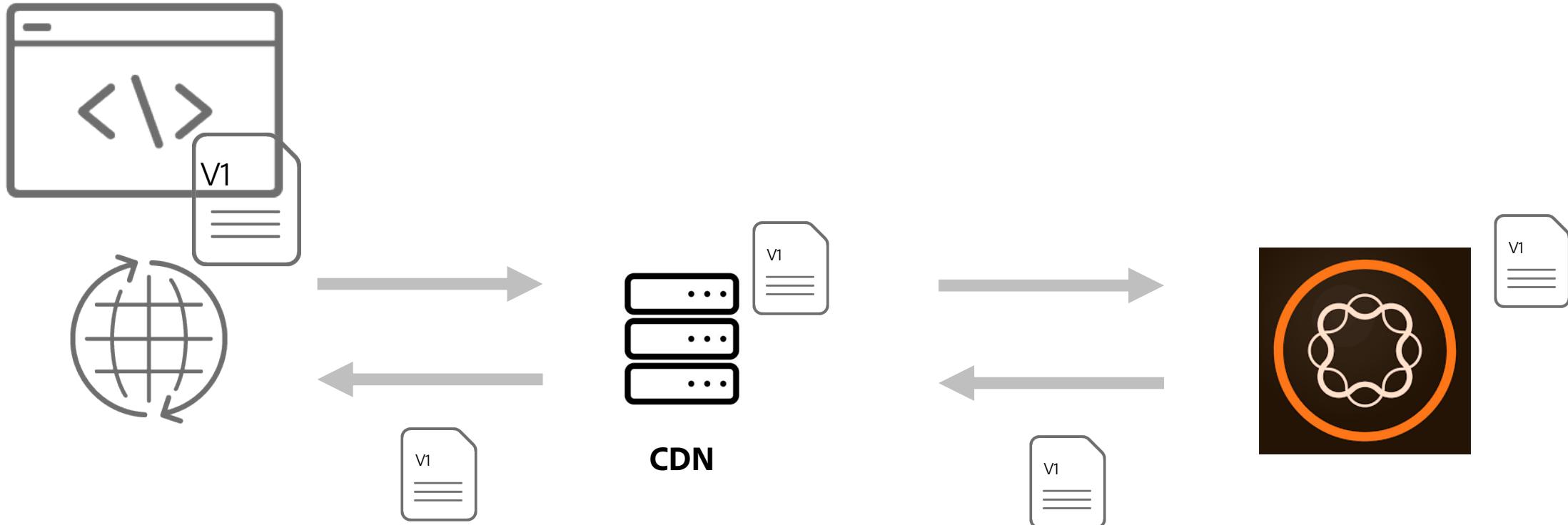
WKND Client Libs

The screenshot shows the Adobe Experience Platform interface, specifically the Network tab of a browser developer tools window. The request URL is `https://wknd.site/etc.clientlibs/wknd/clientlibs/clientlib-base.lc-d8827c6c5adc7f6ba662b809d0ccb54a-lc.min.css`. The response headers include:

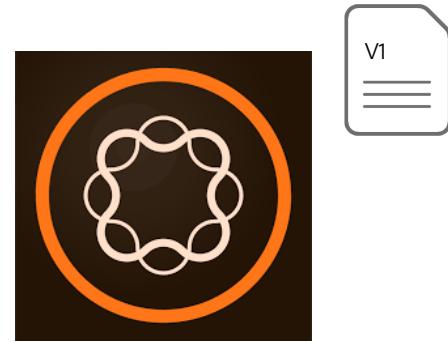
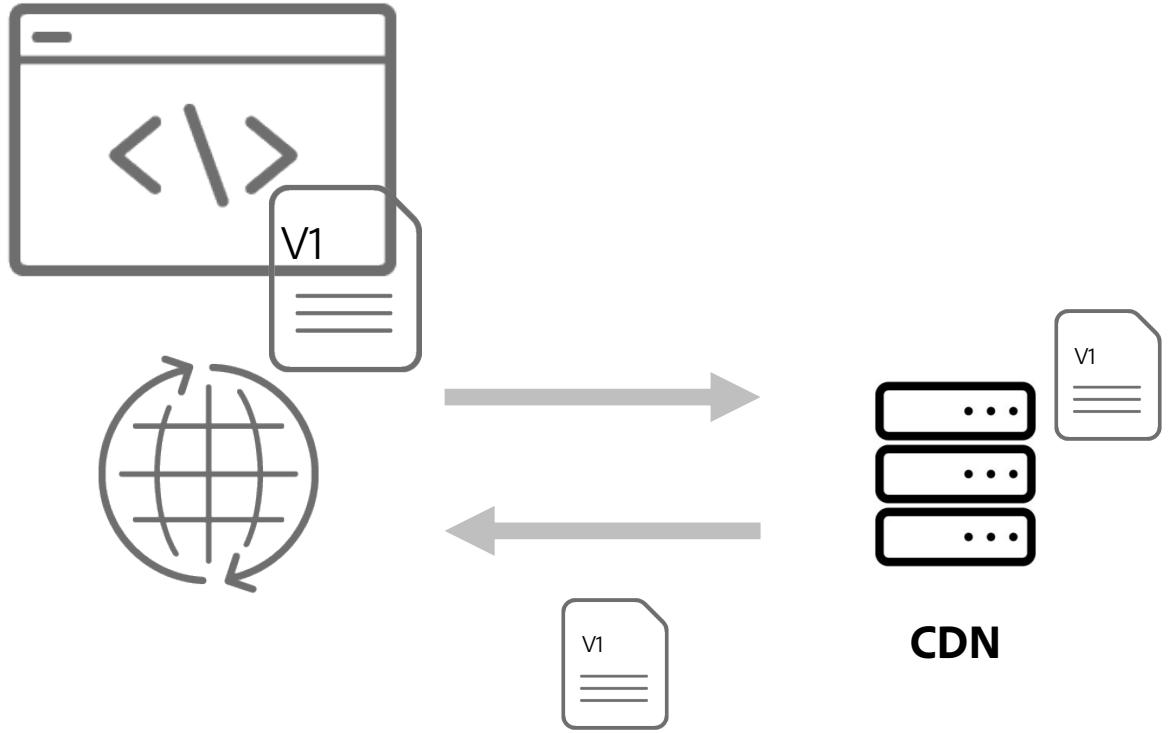
- accept-ranges: bytes**
- age: 88254**
- cache-control: max-age=2592000, public, immutable**
- content-encoding: gzip**
- content-length: 7659**
- content-type: text/css; charset=utf-8**

The left sidebar lists various client library files and assets.

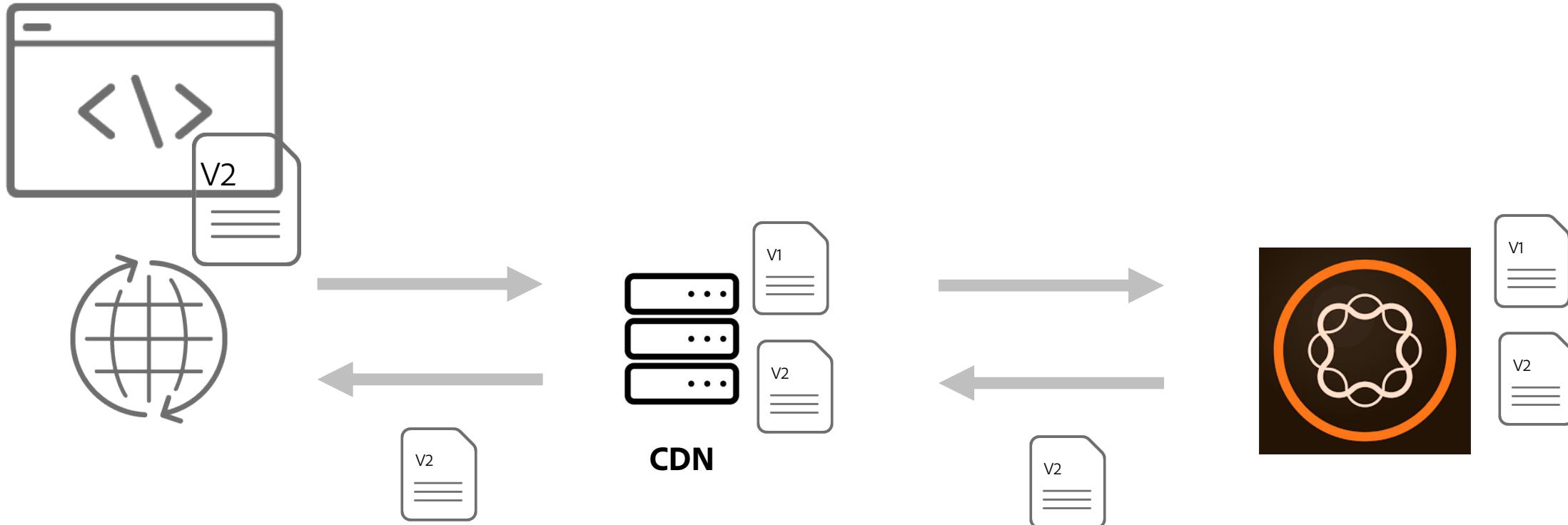
Caching – Versioned Client Libs



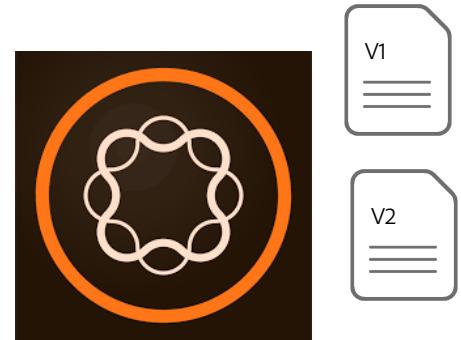
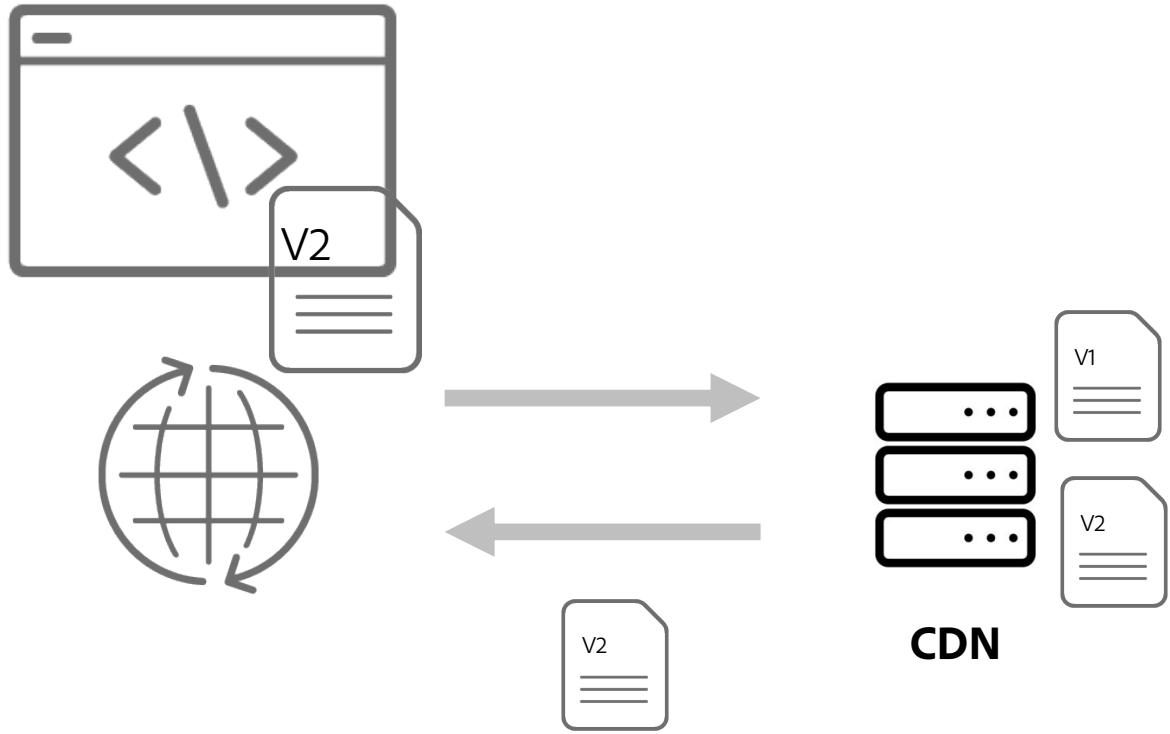
Caching – Versioned Client Libs



Caching – Versioned Client Libs



Caching – Versioned Client Libs



Caching – Images and HMTL

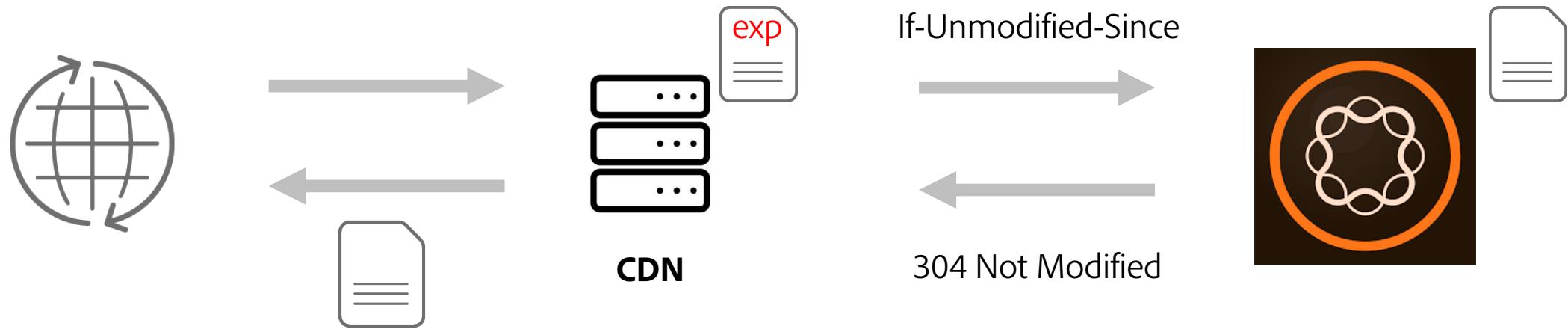
- Images are not cached by default

```
<LocationMatch "^.*\.(jpeg|jpg)$">
    Header set Cache-Control "max-age=222"
    Header set Age 0
</LocationMatch>
```

- HTML
 - Default is 300 seconds (5 minutes)
 - This is the recommended value for optimized caching and re-validation

```
<LocationMatch "\.(html)$">
    Header set Cache-Control "max-age=300"
    Header set Age 0
</LocationMatch>
```

Caching – Revalidation



Custom Domains

The screenshot shows the Adobe Cloud Manager interface for managing custom domains. On the left, a sidebar navigation includes 'Cloud Manager', 'Overview', 'Environments', 'WKND Program' (selected), 'Program Overview', 'Environments', 'SSL Certificates', 'Domain Settings' (selected), and 'IP Allow Lists'. The main content area displays the 'wknd-program-prod' environment, which is running. Under 'Environment Information', the 'Author URL' is listed as <https://author-p7719-e13203.adobeaecloud.com/>. The 'Region' is set to 'East US' and the 'AEM Release' is '2020.11.551.20201111T211930Z'. Under 'Environment Segments', three services are listed: 'Author Service', 'Publish Service (AEM)', and 'Publish Service (Dispatcher)', all marked as 'Running'. In the 'Domain Names' section, two entries are shown: 'example2.adobearm.cloud.ca' (highlighted with a green arrow) and 'example.adobearmcloud.com'. The 'example2' entry has a dropdown for 'SSL CERTIFICATE' set to 'Select SSL Certificate' and a 'DNS RECORD' status of 'Does not resolve'. The 'example.adobearmcloud.com' entry has an 'SSL Certificate' of 'Example' and a 'DNS RECORD' status of 'Does not resolve'. An 'Add' button is available for adding new domain names. Below this is the 'IP Allow List' section, which currently shows 'No IP Allow List applied'.

DOMAIN NAME	SSL CERTIFICATE	DNS RECORD
example2.adobearm.cloud.ca	Select SSL Certificate	Does not resolve
example.adobearmcloud.com	SSL Certificate Example	Does not resolve

IP Allow List

IP ALLOW LIST	SERVICE APPLIED	IP / CIDR
Select IP Allow List	Select Service	+ Apply

No IP Allow List applied

SSL Certificates

Cloud Manager Overview Environments Activity Learn

FoundationInternal-GA Program Overview > SSL Certificates

Add SSL Certificate

Use the form below to add a new SSL certificate by supplying a certificate name, a private key, and a certificate chain. [Learn More](#)

Cloud Manager Overview Environments Activity Learn

WKND WKND Program Program Overview > SSL Certificates

Add SSL Certificate

Environments	SSL CERTIFICATE	VALID UNTIL	ISSUER	SERIAL NUMBER	DOMAIN NAMES IN USE	ENVIRONMENT ATTACHED
wknd-program-prod	SSL Certificate Example	December 20, 2021	Verisign	99c27ba9-971a-4b90-b101-49dbaf6ff620		***
wknd-program-stage						
wknd-program-dev						

SSL Certificates

Domain Settings

IP Allow Lists

Certificate chain
Paste certificate chain here

Cancel Save

Resources

- Caching with AEMaaCS Public Documentation: <https://tinyurl.com/c005li5n>
- Custom Domains & SSL Certificates: <https://tinyurl.com/uuihkhkev>
- New York Times Article: <https://tinyurl.com/1tw0q8sk>

