

Digital Web Services Network

Bringing together digital product managers, designers, and engineers.

DWSN Quarterly Forum

Thursday, Aug 22, 2024





Digital Web Services Network

- Welcome to the DWSN forum, we will begin shortly.
- For the best experience, please use your computer to join the meeting.
- Mute your audio.
- Turn off your video.
- Use the raise hand button or the meeting chat for comments and questions.



Opening remarks

Koji Kumpulainien

State Web Services Manager | California Department of Technology





DWSN Forum Agenda

Opening Remarks	Koji Kumpulainien (10 minutes)
Search Indexing Demystified: Boosting Visibility and Accessibility	Carter Medlin (20 minutes)
CAWeb updates	
Accessibility update	Linda Tracy (5 minutes)
Big ideas	Harvey Dhillon (15 minutes)
Suggested Future Topics / Closing Remarks	Koji Kumpulainien (10 minutes)



Search Indexing Demystified: Boosting Visibility and Accessibility

Carter Medlin

Information Technology Spec II | Web Development | California Department of Technology





Search Engine Optimization (SEO)

SEO is the practice of improving a website to increase the quality and quantity of traffic from search engines like Google and Bing.

- Quantity: More traffic to your site.
- Quality: Users finding what they want on your site.

Why is SEO important?

Crawl budgets are limited

Searchable sites are accessible sites.

Smarter indexing can help people

Less reliance on menus

Crawl budgets

- How much attention you will get from search crawlers
- Based on popularity
- Important not to waste
- Don't re-crawl old content



791K





Searchable is accessible

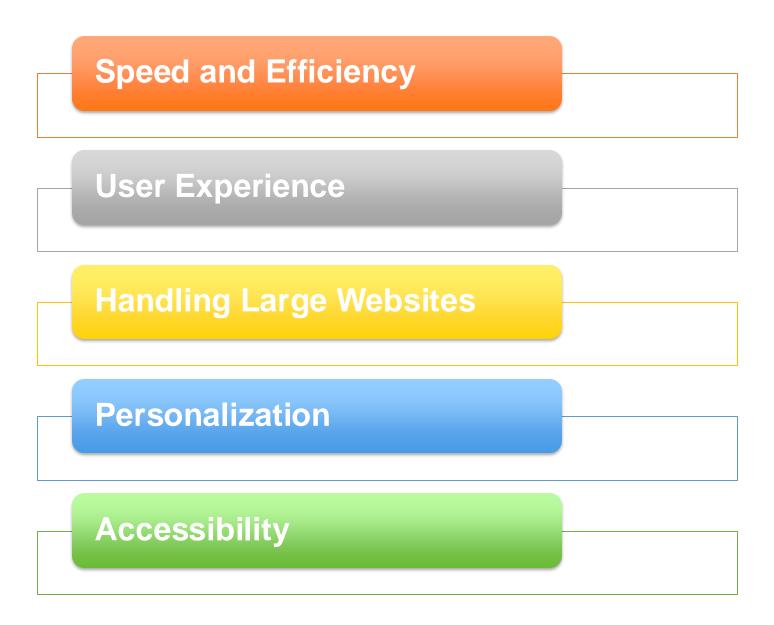
Many accessibility practices align with SEO best practices

- Alt text for images
- Header tags (H1,H2, etc.)
- Readable Content
- Semantic HTML and ARIA
- Mobile-Friendliness
- Structured data

Smarter indexing can help people

- Voice assistants
- Chatbots
- Copilot

Less reliance on menus



SEO Best practices



On-page SEO

Optimizing individual web pages to rank higher and earn more relevant traffic. This includes content creation, keyword optimization, and meta tags.



Off-page SEO

Activities outside your website that impact your rankings, such as backlinks from other sites and social media marketing.



Technical SEO

Improving the technical aspects of a website, like site speed, mobile-friendliness, and crawlability, to help search engines better understand and index your site.

Robots.txt

- Most important file
- Include sitemap
- Allow everything at first
- Disallow outside of production
- Test on SEO console
- Allow necessary files (IMG/JS/CSS)

```
User-agent: *
Allow: /
Disallow: /ads.txt$
Disallow: /app-ads.txt$
Sitemap: https://www.ca.gov/sitemap.xml
```

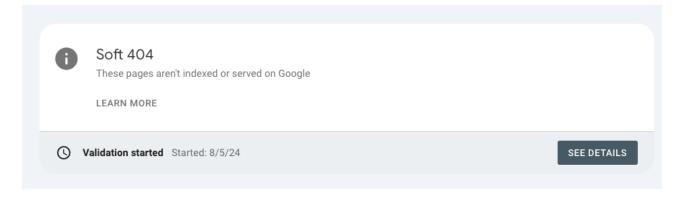
Sitemap.xml

- Put everything you want users to find in here
- Use lastmod for immutable content
- OR changing content if you know it
- Max 50MB

```
v<url>
    <loc>https://archive.gov.ca.gov/archive/gov39/2011/01/03/news16865/index.html</loc>
    <lastmod>2019-01-04</lastmod>
    </url>
```

Avoid Soft 404s 😂

- Caused by "missing" or duplicate content
- SEO won't trust you
- Bad 😔



HTTP Status code 410

- Gone
- Elegant removal
- Faster response from SEO
- Server Only

Request Method: GET

Status Code:

410 Gone



Page with redirect

These pages aren't indexed or served on Google

LEARN MORE

First detected: 8/16/22

Done fixing?

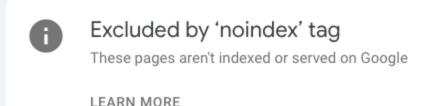
VALIDATE FIX

HTTP Status code 301

- Permanent Redirect
- Carries index history to new location
- Removes old location from index
- Don't confuse with 302-Found

"noindex" meta tag

- Prevents unwanted indexing
- Can be enabled in JavaScript
- Great for "no results" search

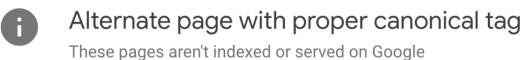


<meta name="robots" content="noindex" />

Canonical tags

- Prevents duplicate indexes
- Can be used to redirect
- Can be set in JavaScript

Google-selected canonical ?



LEARN MORE

Same as user-declared canonical

Avoid AJAX Content Lag

- Use "noindex" while content loads
- Prevent duplicate blank pages
- Verify your AJAX pages!

Structured data

- Improved Visibility
- Higher Click-Through Rates (CTR)
- Faster Indexing
- Enhanced User Experience
- Rich Snippets!

```
<script type="application/ld+json">
  "@context": "https://schema.org",
  "@type": "GovernmentOrganization",
  "name": "Department of Motor Vehicles (DMV)",
 "description": "The California Department of Motor Vehicle's
   vision is to be a recognized leader in public service. To
   accomplish this vision our mission is to serve the public by
   providing quality licensing and motor vehicle-related services."
  "url": "https://www.dmv.ca.gov",
  "logo": "https://stateentityprofile.ca.gov/Uploads/logo-220-DMV
   .png",
 "areaServed": {
   "@type": "State",
    "name": "California"
  "contactPoint": {
   "@type": "ContactPoint",
   "contactType": "customer service",
   "telephone": "800-777-0133",
   "url": "https://www.dmv.ca.gov/portal/contacting-dmv/",
    "email": null
  "sameAs": [
   "https://www.facebook.com/pages/Sacramento-CA/California
     -Department-of-Motor-Vehicles/76429183804",
   "https://www.twitter.com/Ca_dmv",
   "https://www.youtube.com/CaliforniaDMV"
</script>
```

Working in Google Search Console

- Temporary removals
- Request indexing
- Sitemap resubmit
- Submitted vs unsubmitted
- Crawl stats

New Request

TEMPORARILY REMOVE URL

CLEAR SNIPPET

Block URL(s) from Google Search results for about six months and clear the snippet the next time Google reindexes the page. For permanent removal, either block pages from indexing or remove them from the site. Learn more

Enter URL

All URL variations (www/non-www and http/https) will be affected

- Remove this URL only
- Remove all URLs with this prefix

Removals of other URLs leading to this content must be requested separately

CANCEL

NEXT

Temporary removals

- Only affects one search engine
- Removes from search results
- Does not remove index

Request Indexing

- Only 10 requests per 24-hour period per user
- Unlimited use of "Test Live URL"

Page changed? REQUEST INDEXING

Testing if live URL can be indexed

This might take a minute or two

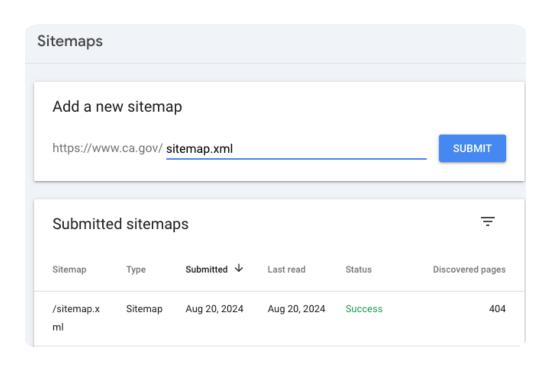
Cancel

Indexing requested

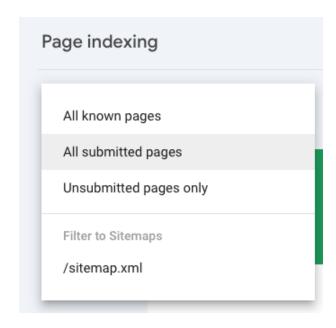
URL was added to a priority crawl queue. Submitting a page multiple times will not change its queue position or priority. <u>Learn more</u>.

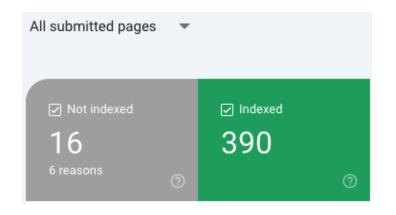
Dismiss

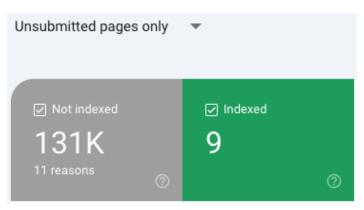
Sitemap resubmit



- Instant page count
- Validates sitemap
- Sitemaps organize pages





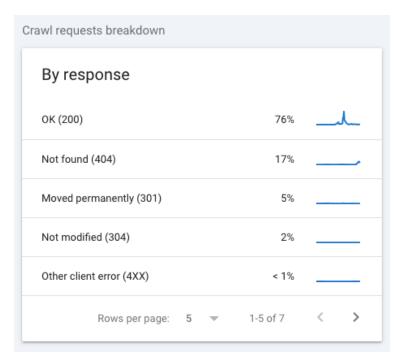


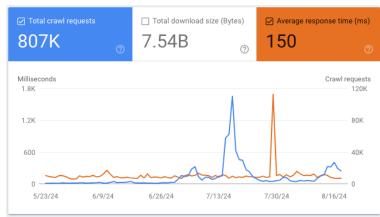
Submitted vs unsubmitted

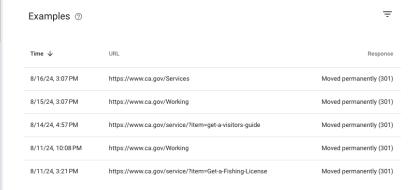
- Can filter by individual sitemaps
- Submitted pages are easier to manage
- Unsubmitted can be huge

Crawl Stats (Settings)

- Watch your crawl budget
- Check your server responses
- Track uptime







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Questions?

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CAWeb updates

Greg Duncan

Web Consulting Manager | California Department of Technology



CAWeb Updates

- Sun setting v5 for CAWeb customers by the end of 2024
 - We are currently adding and testing legacy items from v5 into v6 of the state template.
 - We're making the updates as easy as possible.
 - Frees us up to create a new CAWeb v2.0 in early 2025
 - Communication for updating sites will start at the end of September
- Reminder, please make sure you have Statewide Analytics Tag on your site
 - If you need the Tag please email: <u>analytics@state.ca.gov</u>



Linda Tracy

Senior Digital Accessibility Specialist | California Department of Technology



Certification 2025

- Website certification is a 2-year cycle
 - Year 1: Certification year (June of even year to May of odd year.)
 - Year 2: Accessibility maintenance year (June of odd year to May of <u>even</u> year.)
- Year 1: Certification Year started June 2024
 - Agencies are required to post their certification by July 1, 2025.

Accessibility Policy

We've made updates to the existing:

- State Administrative Manual (SAM) 4833: Information Technology Accessibility Policy (https://www.dgs.ca.gov/Resources/SAM/TOC/4800/4833)
- SAM 4833.1: Exceptions to Accessibility
 (https://www.dgs.ca.gov/Resources/SAM/TOC/4800/4833-1)
- <u>Statewide Information Management Manual (SIMM) 25A: Information Technology Accessibility Resource Guide</u> (https://cdt.ca.gov/wp-content/uploads/2023/12/SIMM-25A-Accessiblity-Resouce-April-2023-FINAL.pdf)

Once our Policy team finalizes changes, the updates will be posted.



Harvey Dhillon

Web Consulting | California Department of Technology





Suggested Future Topics Closing Remarks

Koji Kumpulainien

State Web Services Manager | California Department of Technology





Thank you

Post conference materials will be published on the <u>DWSN Website</u>.

For questions, please write to: DigitalWebServicesNetwork@state.ca.gov







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Next DWSN Quarterly Forum Thursday, October 17, 2024

