Web Performance Fundmentals

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Contents

1 Objective

- Understanding working of a webpage

- Critical Rendering Path

- Analysis and Optimization

- Hands-on with chrome dev tools

- Hands-on wit pagespeed, yslow and webpagetest

2 Working of Webpage

2.1 From Hypertext document to complex Web Application

- Plain hypertext document with text and hyperlink to other hypertext documents

- Web page with images, audio and styling of tags.

- Web application <==> Webpage + JavaScript
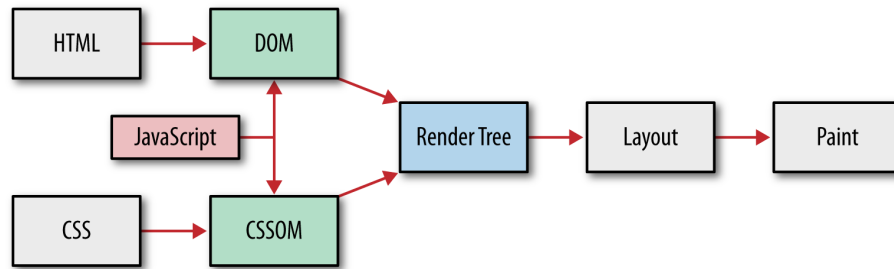
2.2   Dependency Graph

Figure 1: Number of urls versus Use a Content Delivery Network (CDN)

2.3   Critical Rendering Path