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Performance Analysis

Mustafa Cayci

Senior Principal Product Manager

Dynamic Components - Performance

Performance in dynamic components can be associated with many factors:

- HTTP Layer
- REST Services
- Dynamic Layouts

Performance considerations and recommendations are included in Chapter 18 “Optimizing Performance” in JET Developer’s Guide.

JET Performance Guidelines

The JET Developer's Guide contains a section on Optimizing Performance:

- [Optimizing Performance of Oracle JET Apps](#)

Some performance tips include:

- JET module bundles
- Use minified version of JET Modules
- Load JET libraries from CDN
- Enable compression on web server
- Enable cache on web server
- Use minified version of CSS

Using Chrome DevTools to Analyze Performance

Chrome DevTools is a set of tools to

- Help application developers to troubleshoot performance bottlenecks
- View runtime errors
- Investigate properties within application components

Detailed description and how the DevTools can be used found here:

- <https://developers.google.com/web/tools/chrome-devtools/>

Network Tool

Network Tool allows you to see all network requests

- You can start and stop capturing network requests and review the following items:
 - JET module bundles
 - Use minified version of JET Modules
 - Load JET libraries from CDN
 - Enable compression on web server
 - Enable cache on web server
 - Use minified version of CSS

Performance Tool

Performance tool allows to look at activities on a page, look at where the most time spent within an application.

From Performance Tool, you can look the Summary information.

- Note: DevTools also adds an overhead to page loading.

Good way to look at the performance information

- Summary
- Bottom-Up
 - Group By Requests, for example, Group By URL

Lighthouse Tool

Provided by Google and integrated to DevTools and used to provide auditing various metrics such as

- Performance
- Accessibility
- Best Practices
- SEO – How well the website or application can be searched by Search Engines
- Progressive Web Apps

Learn More

- JET API Documentation - <https://www.oracle.com/webfolder/technetwork/jet/index.html>
- Visual Builder Cookbook - <https://vbcookbook.oracle.com/>
- blogs.oracle.com/vbcs
- Oracle University Learning Subscription – [Build Visual Applications using Oracle Visual Builder Studio](#)
- Cloud Customer Connect Forums:
 - [Visual Builder](#)
 - [Visual Builder Studio](#)
- Dynamic Components API Reference Accessible from Components Palette in Visual Builder Studio
- Join the Oracle Visual Builder group on **LinkedIn**



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