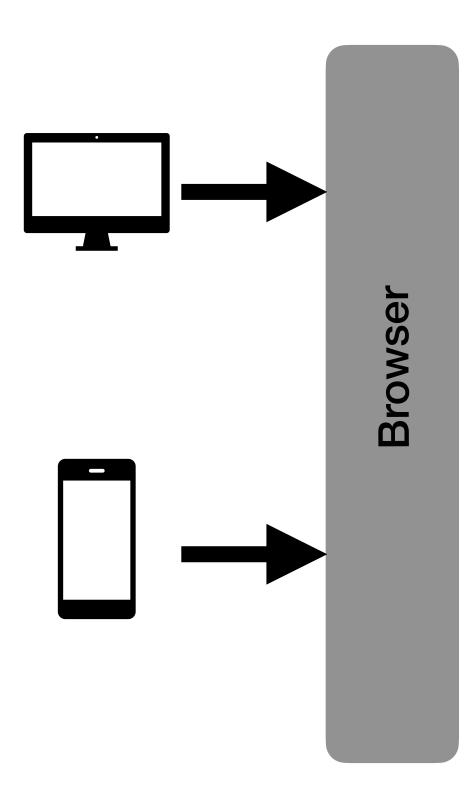
## How the Web works

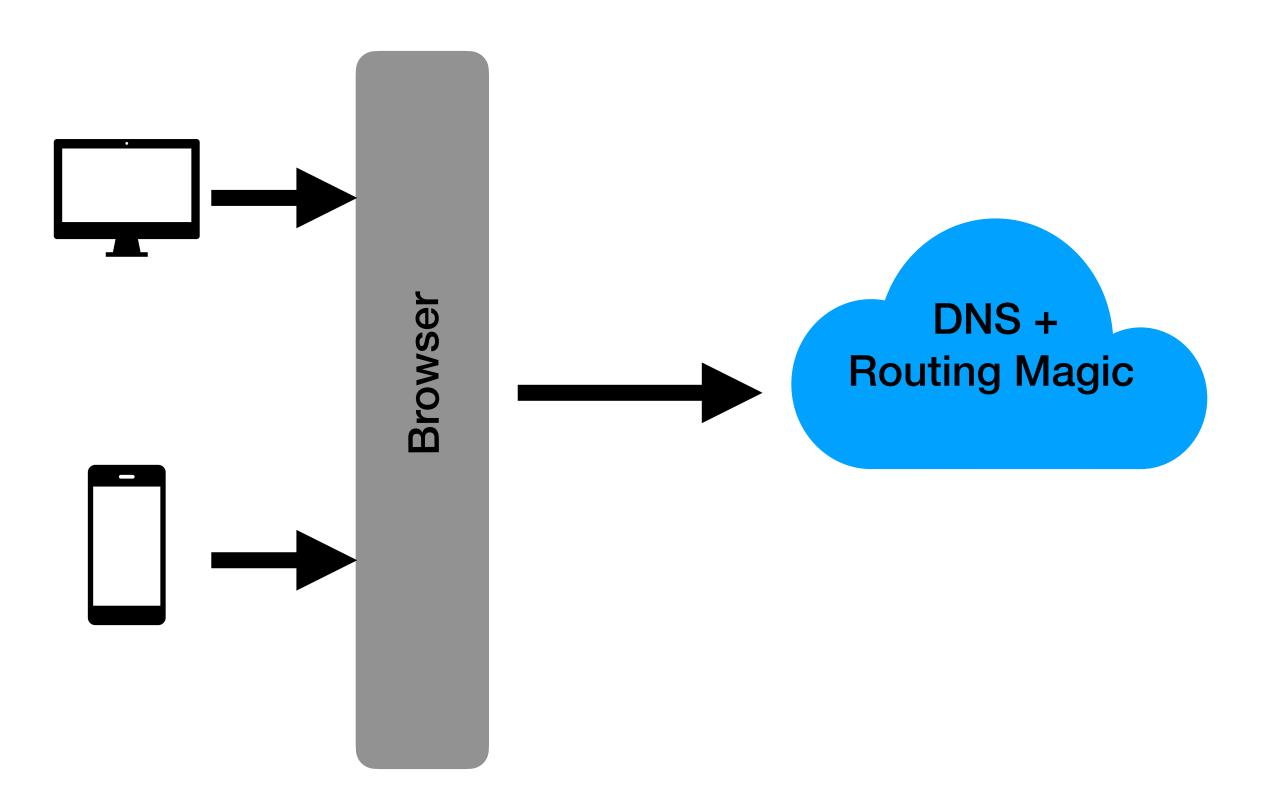
**A Brief Introduction** 

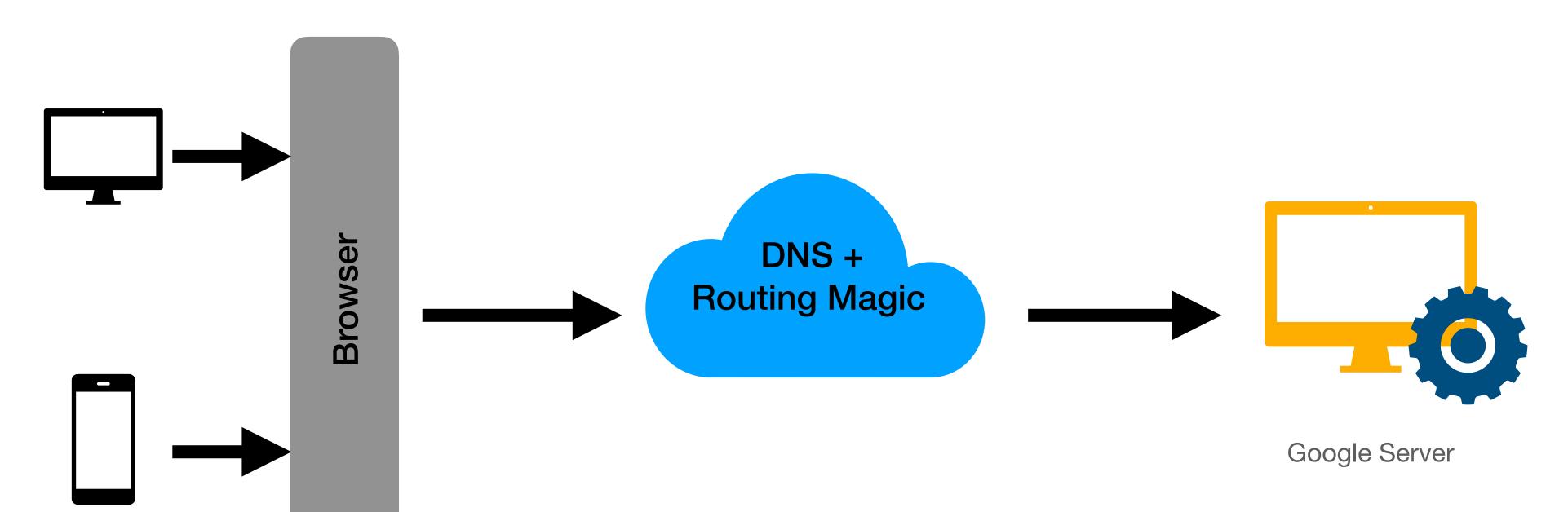
# What happens when you hit google.com?

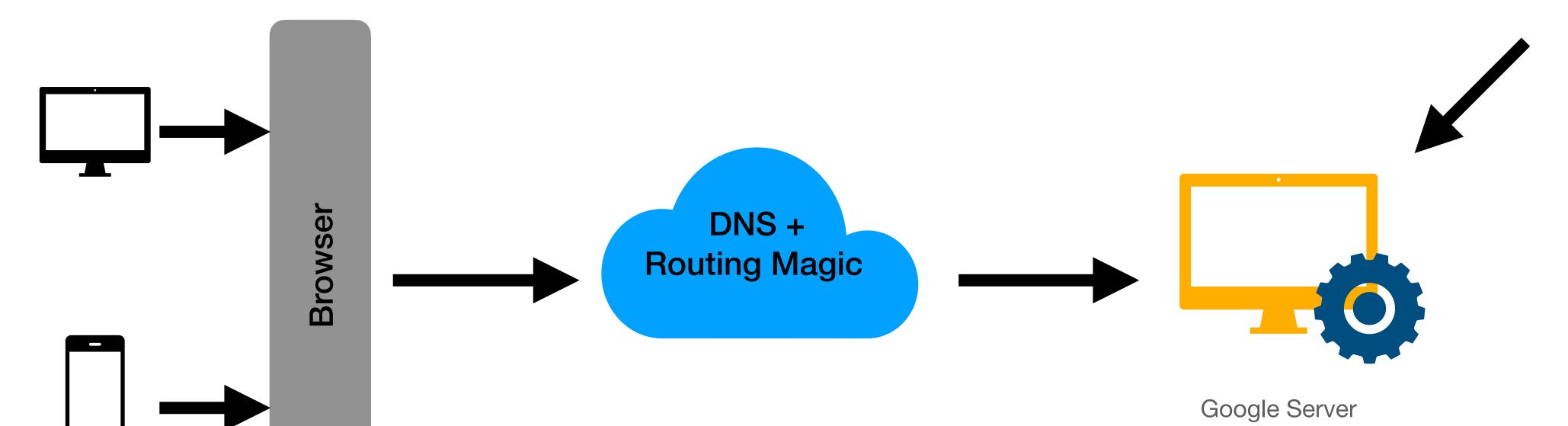


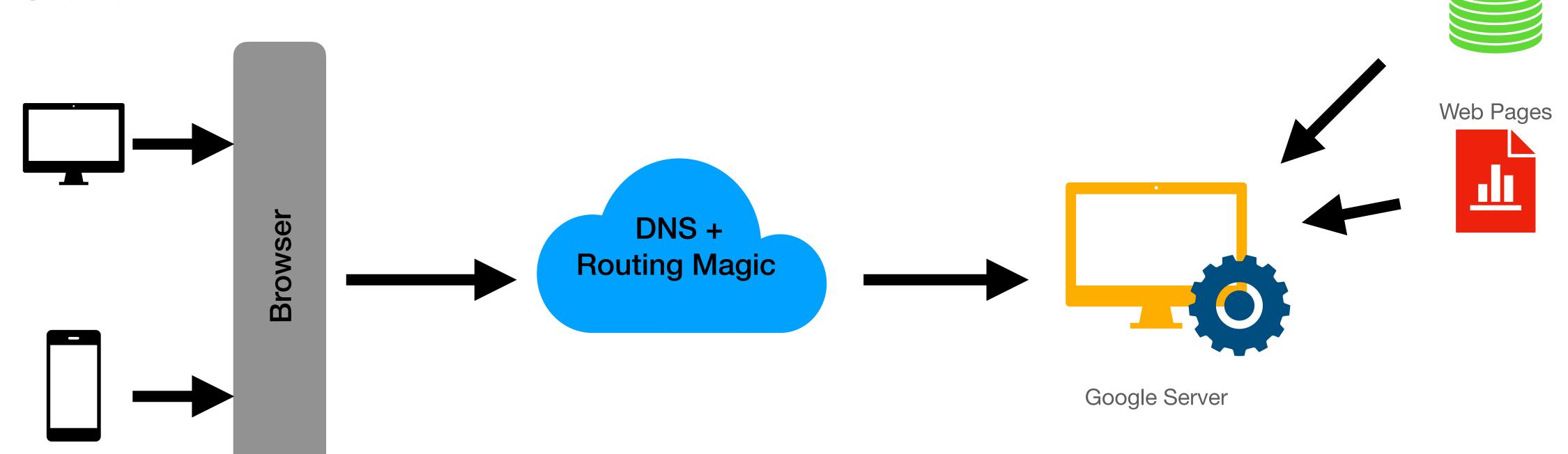


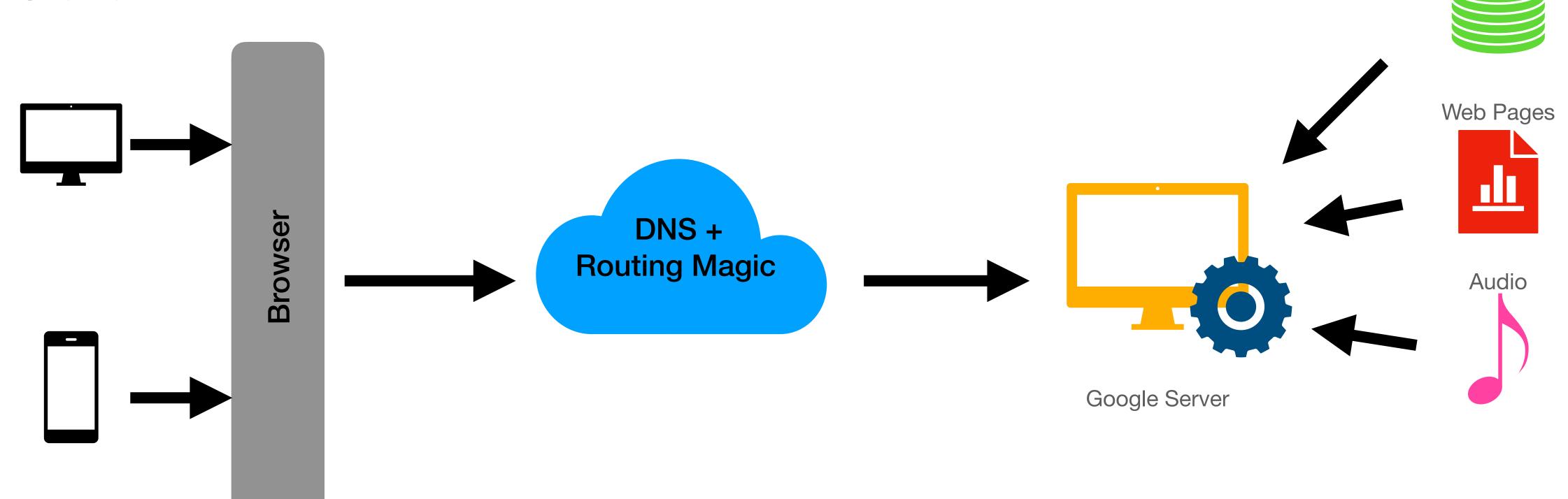


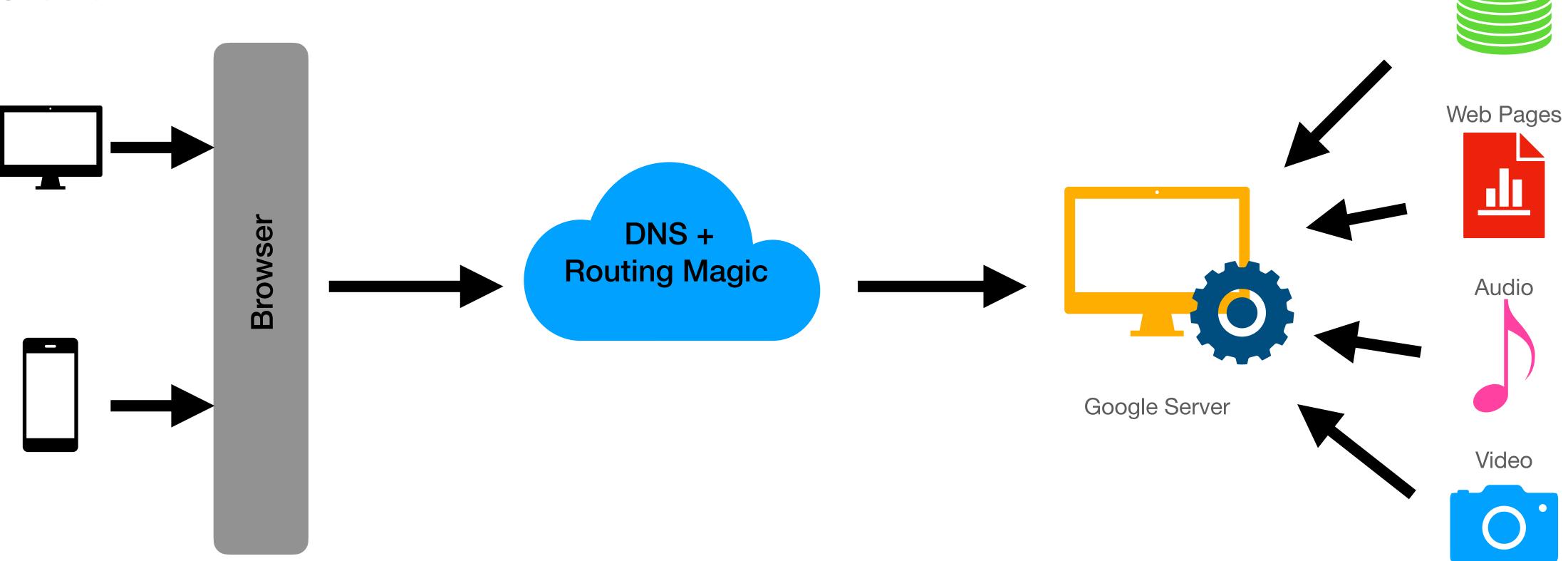


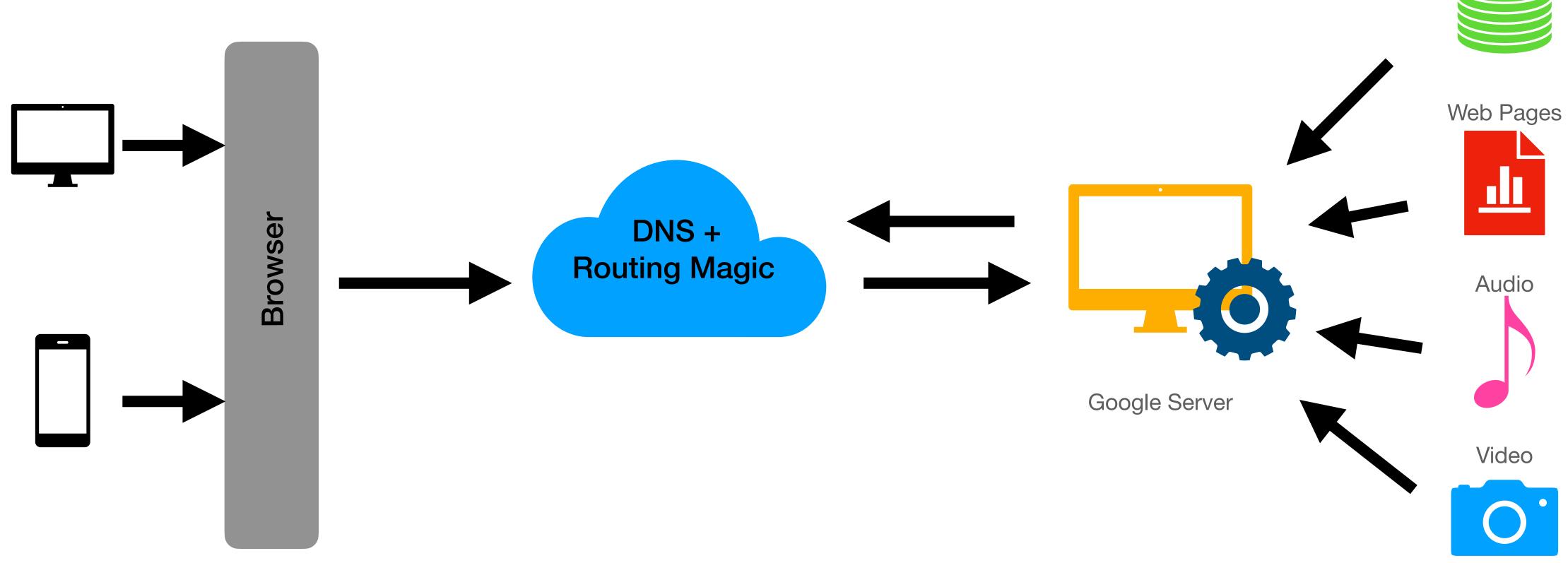


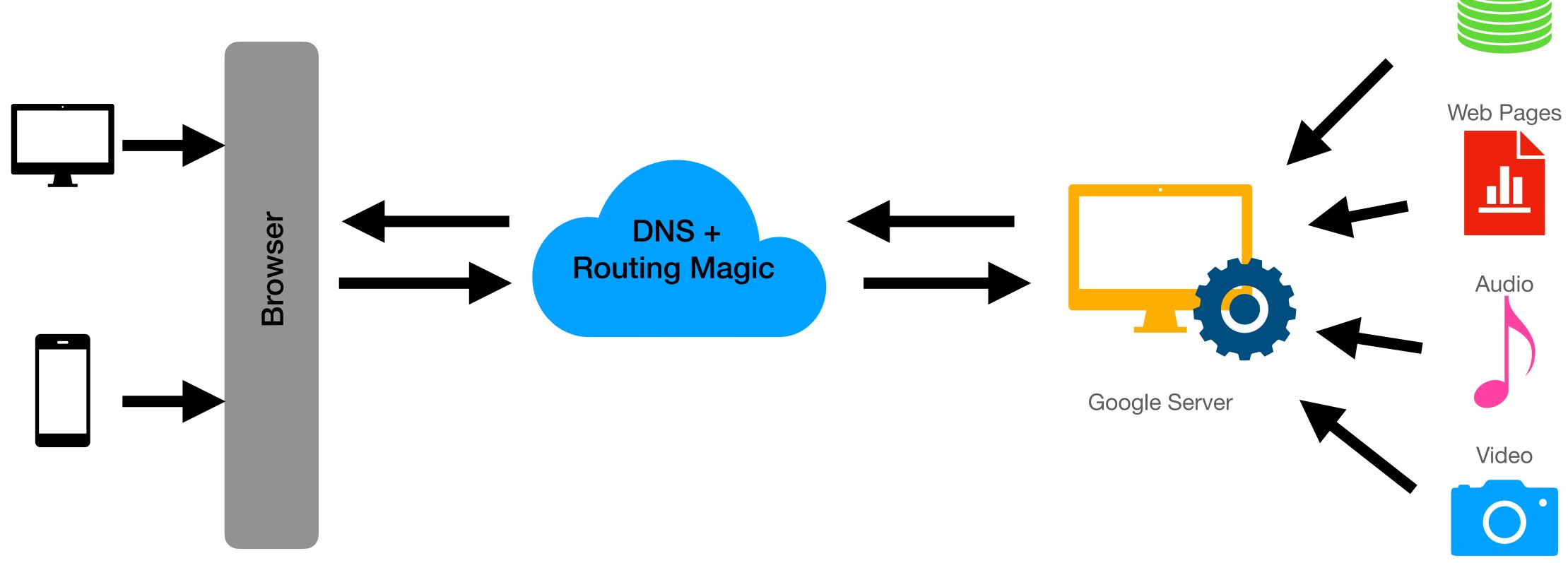


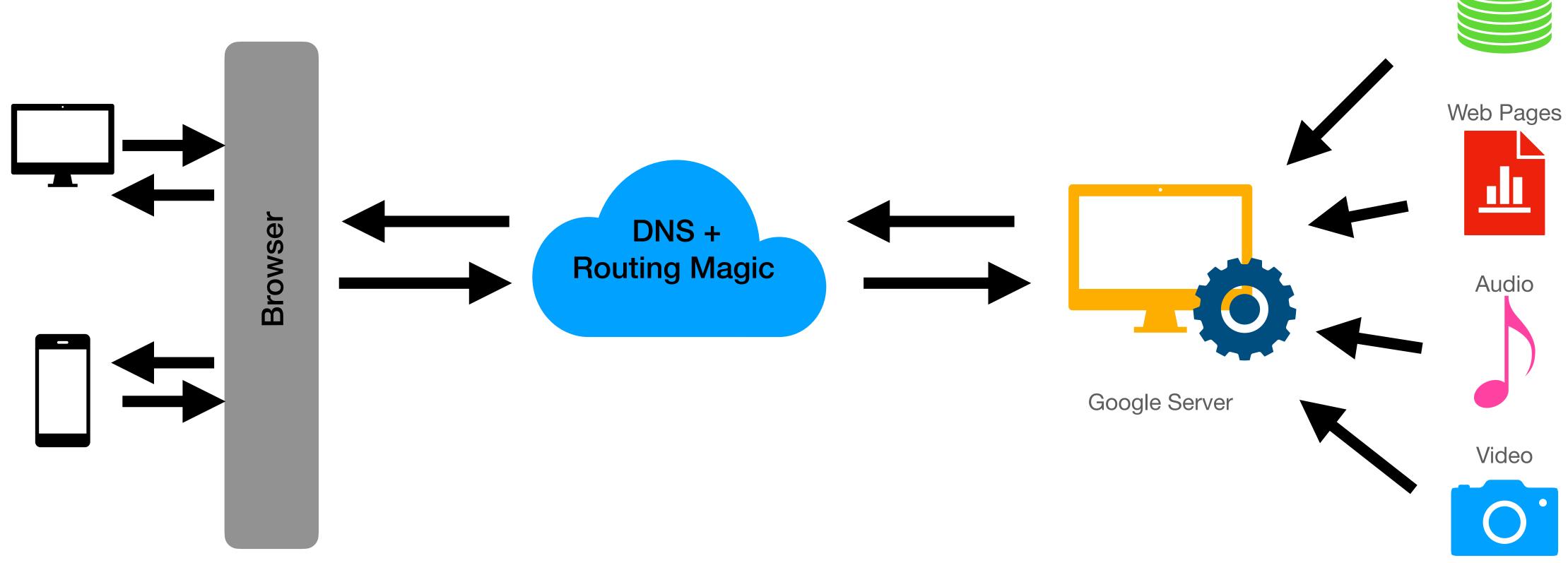




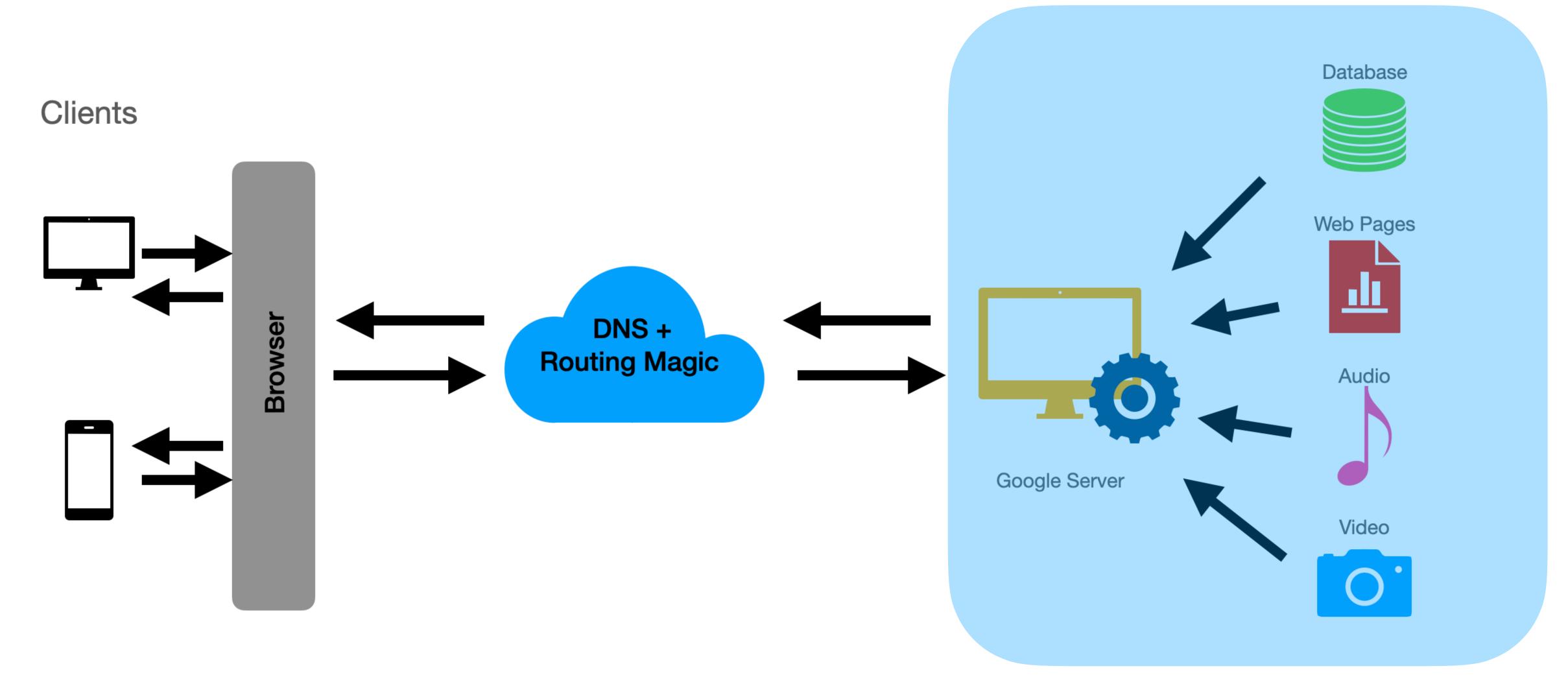




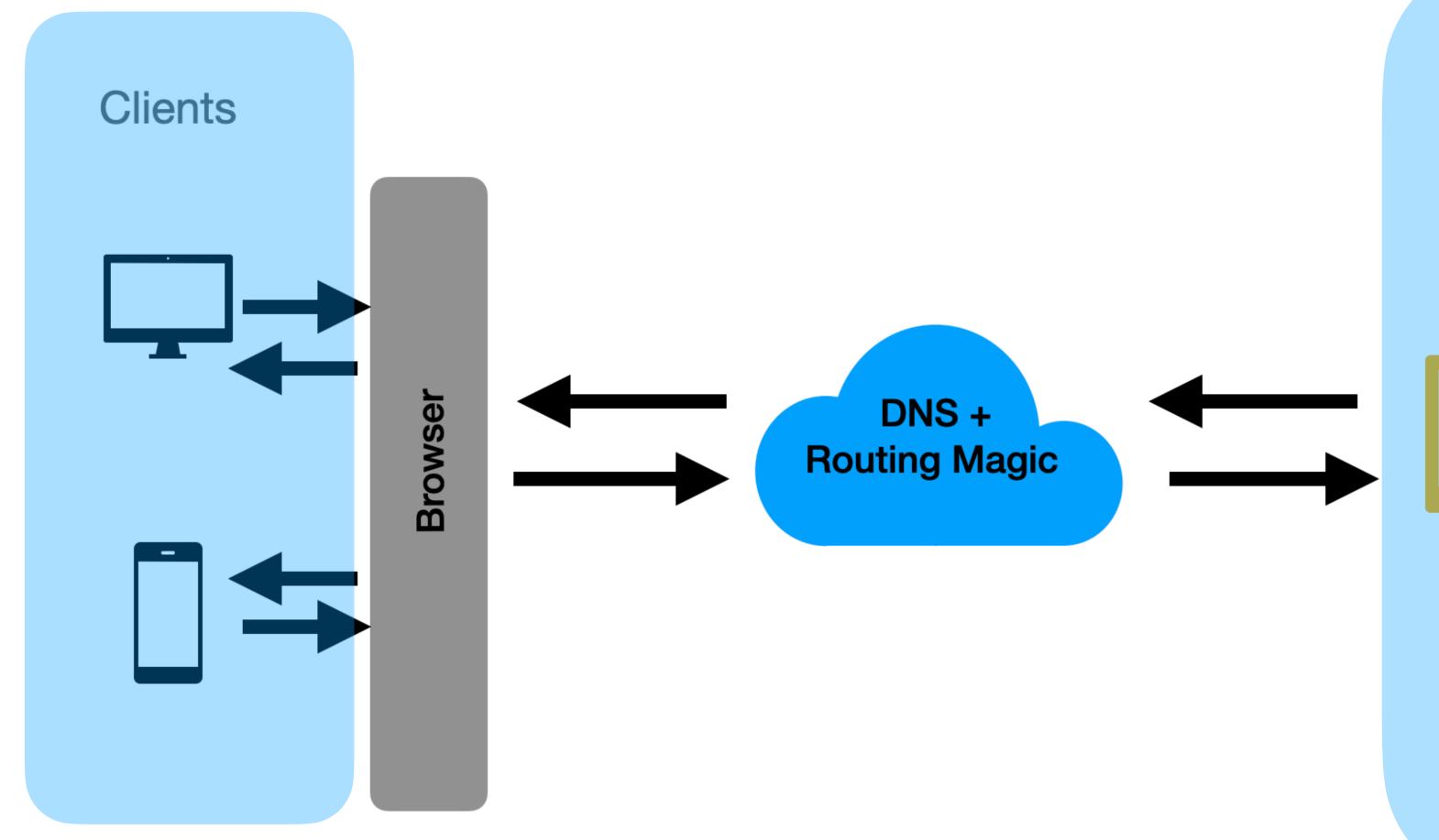




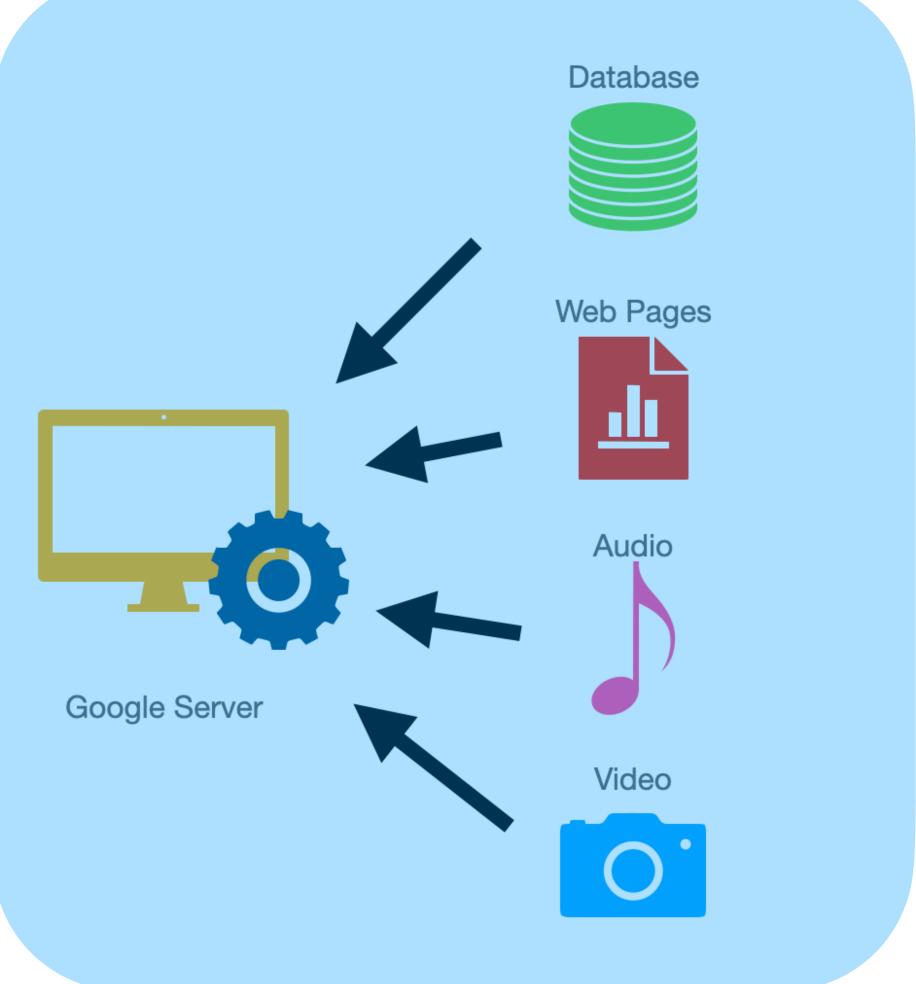
Python, Java, JavaScript, Go...



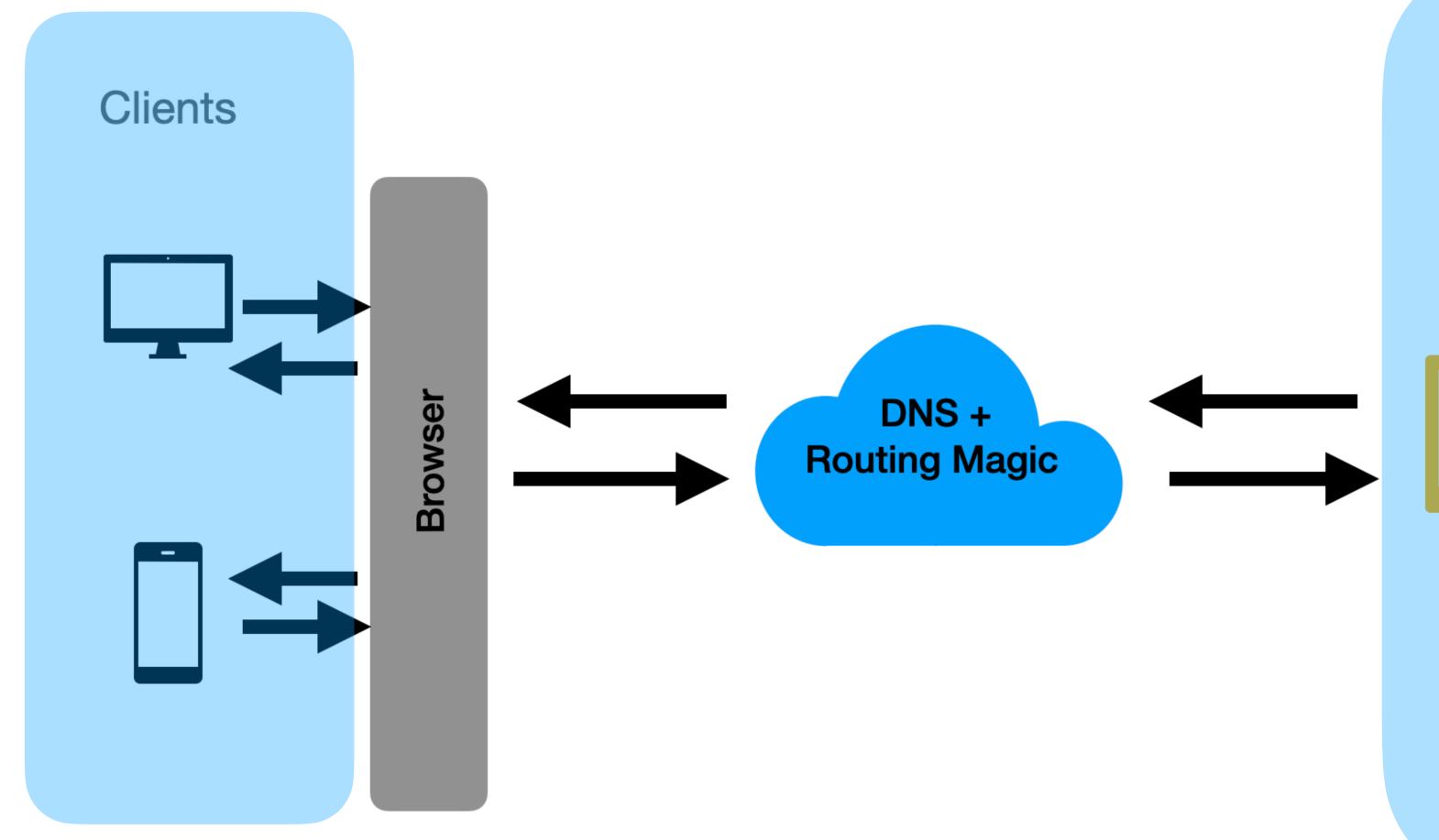
HTML, CSS, JavaScript



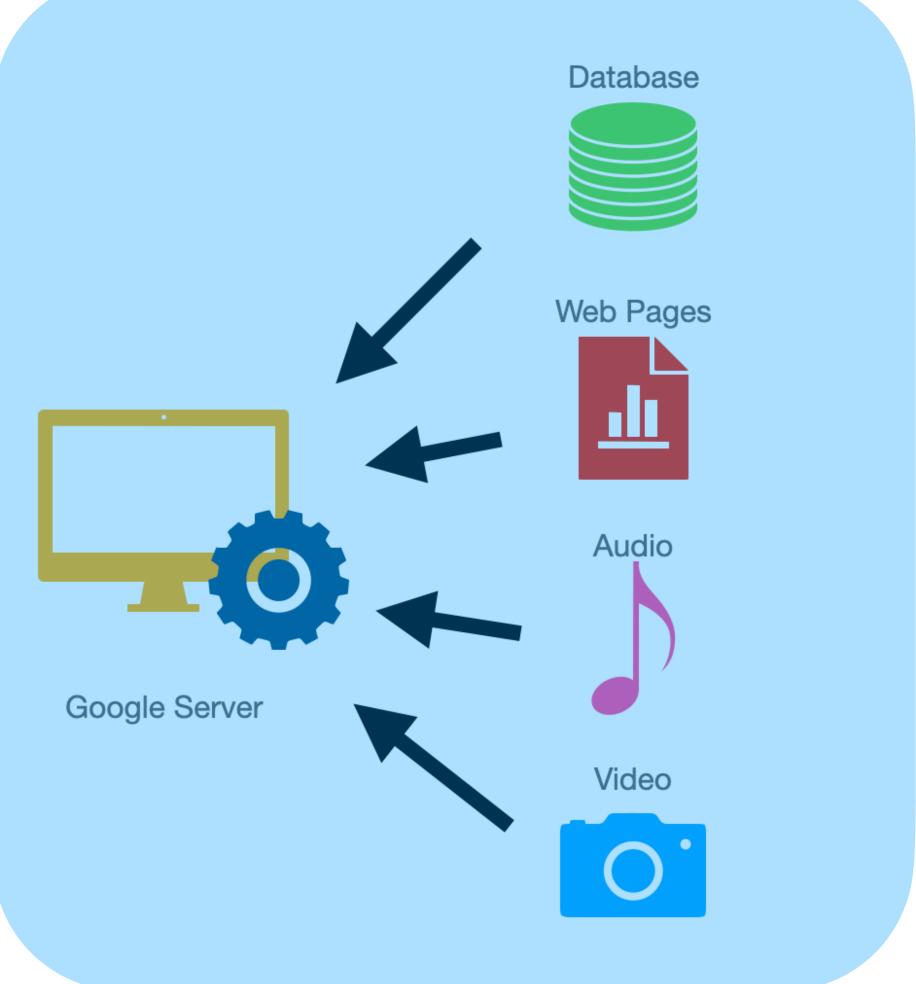
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HTML, CSS, JavaScript



Python, Java, JavaScript, Go...



Client Side Only

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HTML - The Skeleton of the Web Page

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- HTML Titles, Paragraphs, Text, Menus, etc.

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- HTML The Skeleton of the Web Page
- HTML Titles, Paragraphs, Text, Menus, etc.
- CSS Beautifying the Web Page, Colors, Styles, Themes, Animations, etc.

Client Side and Server Side

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Adding functionality to the web page

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- Client Side Form Validation, Performing an action when a button is clicked
- Server Side Reading data from the database, performing business logic

## Client and Server can be on the same machine!

(Demo)

## D3.js Data Driven Documents

### **Data Driven Documents**

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- Create graphics, animations based on data
- Can be used both the client side and the server side

# Great Examples

https://observablehq.com/@d3/gallery