IF.03.01_BASIC WEB TECHNIQUES

Creating Web Sites with HTML, CSS and Javascript

UNIT 01

Motivation, Overview, Basic Setup, Organizational, Hello World

THE WORLD WIDE WEB IN ROUGH PICTURES

THE BIG PICTURE – EXTREMELY SIMPLIFIED

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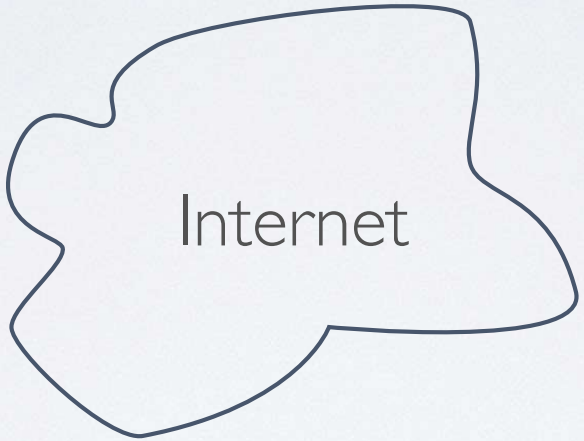

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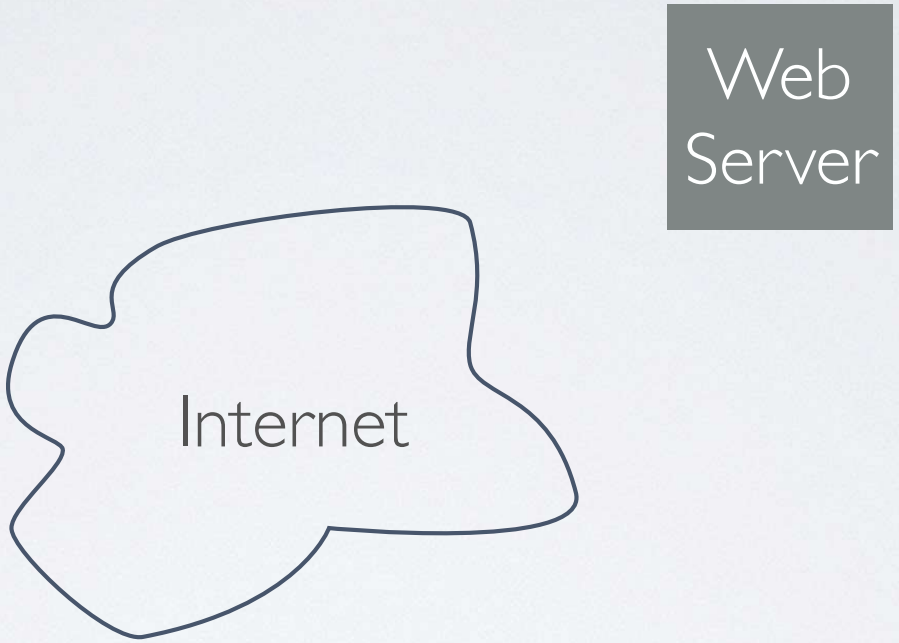

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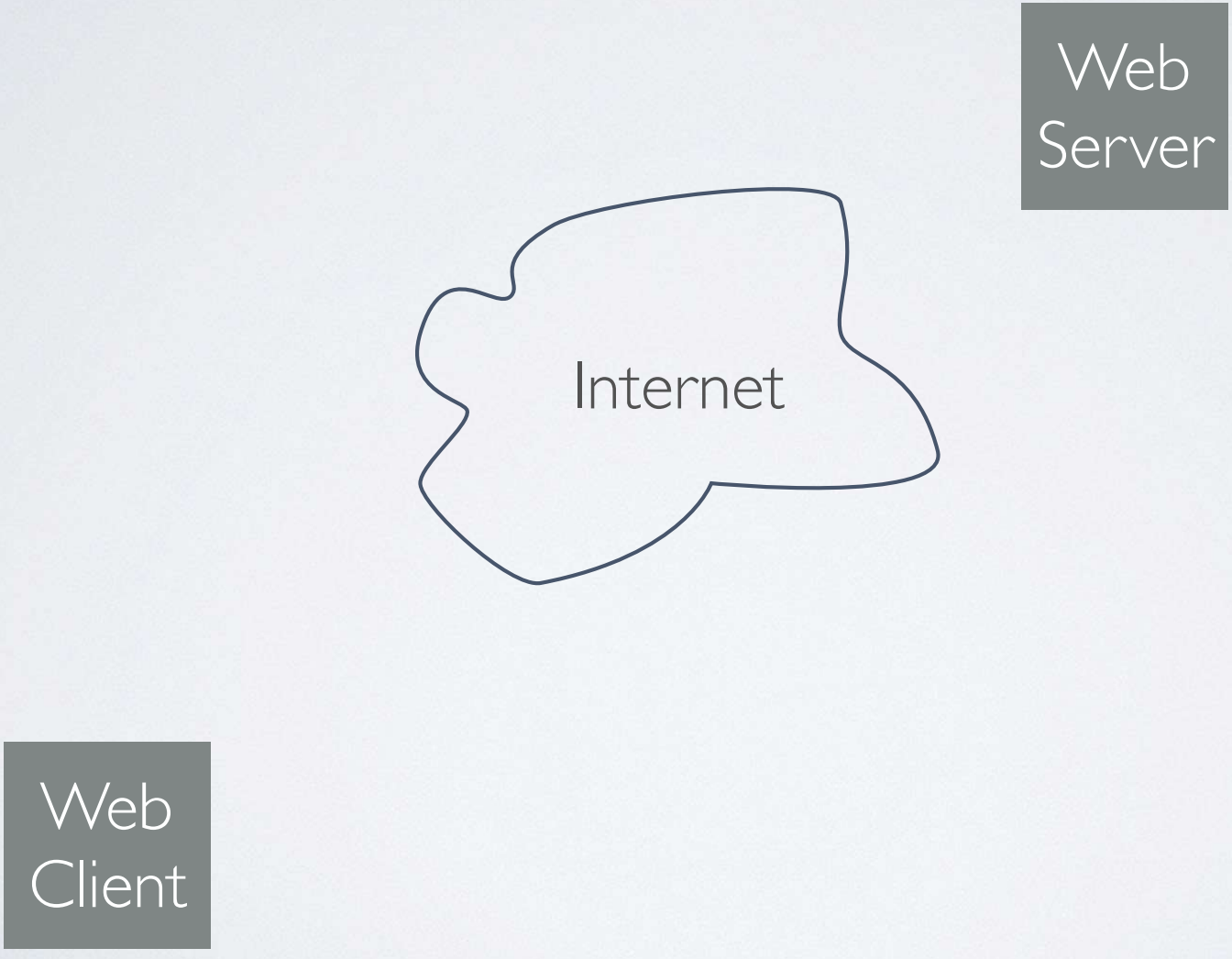

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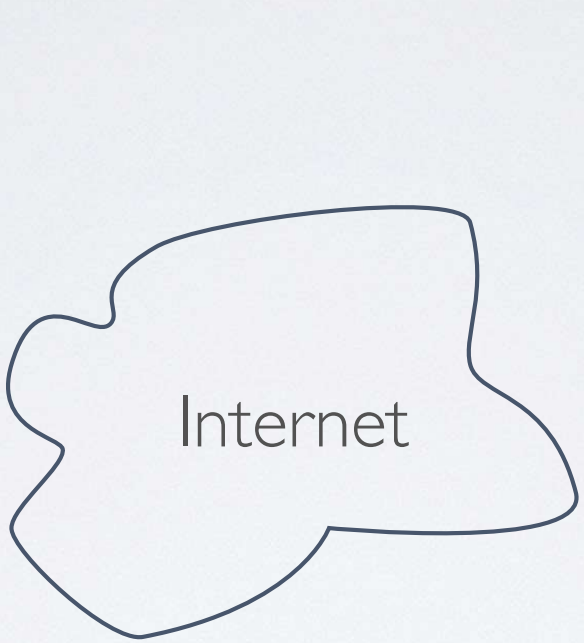

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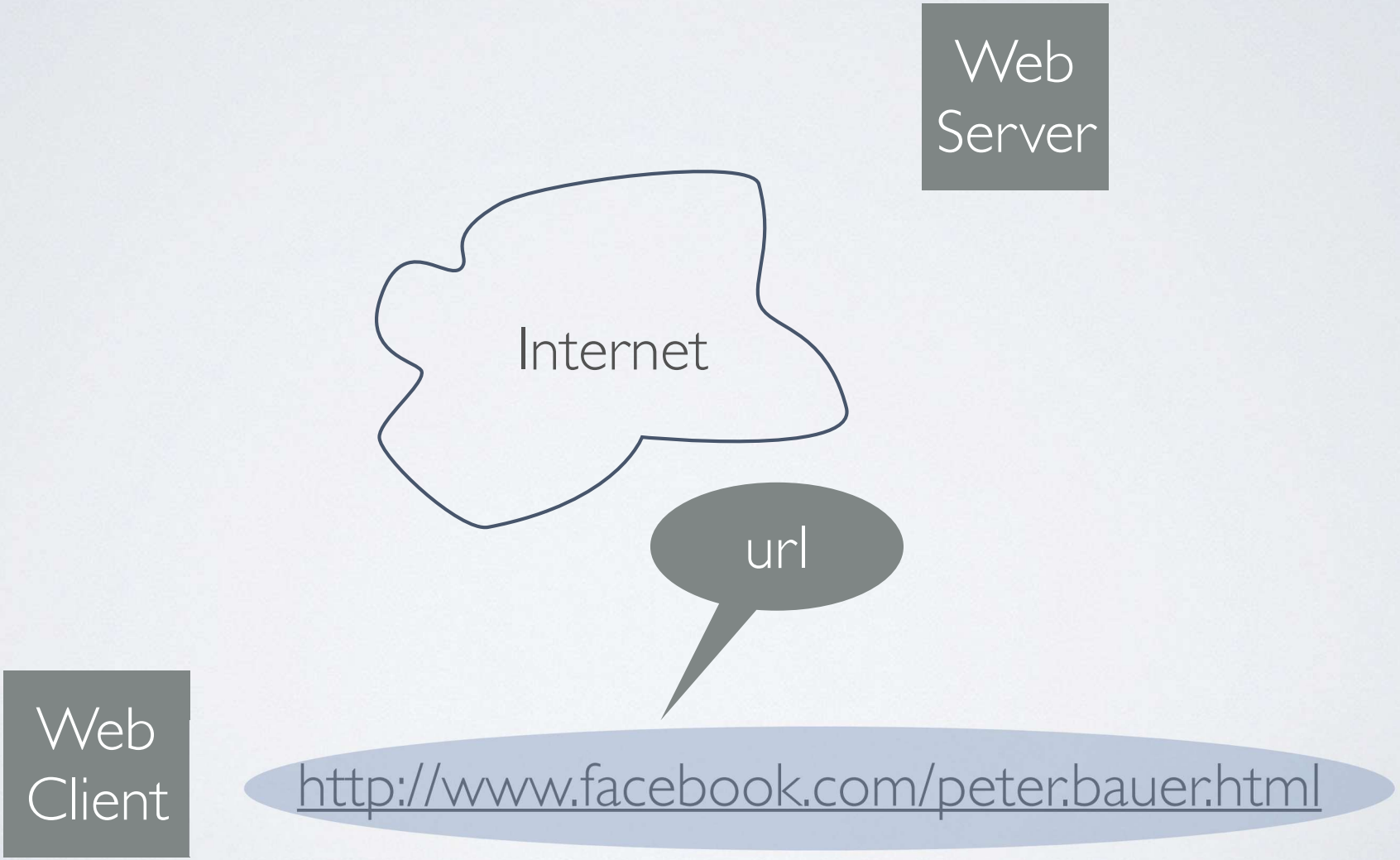

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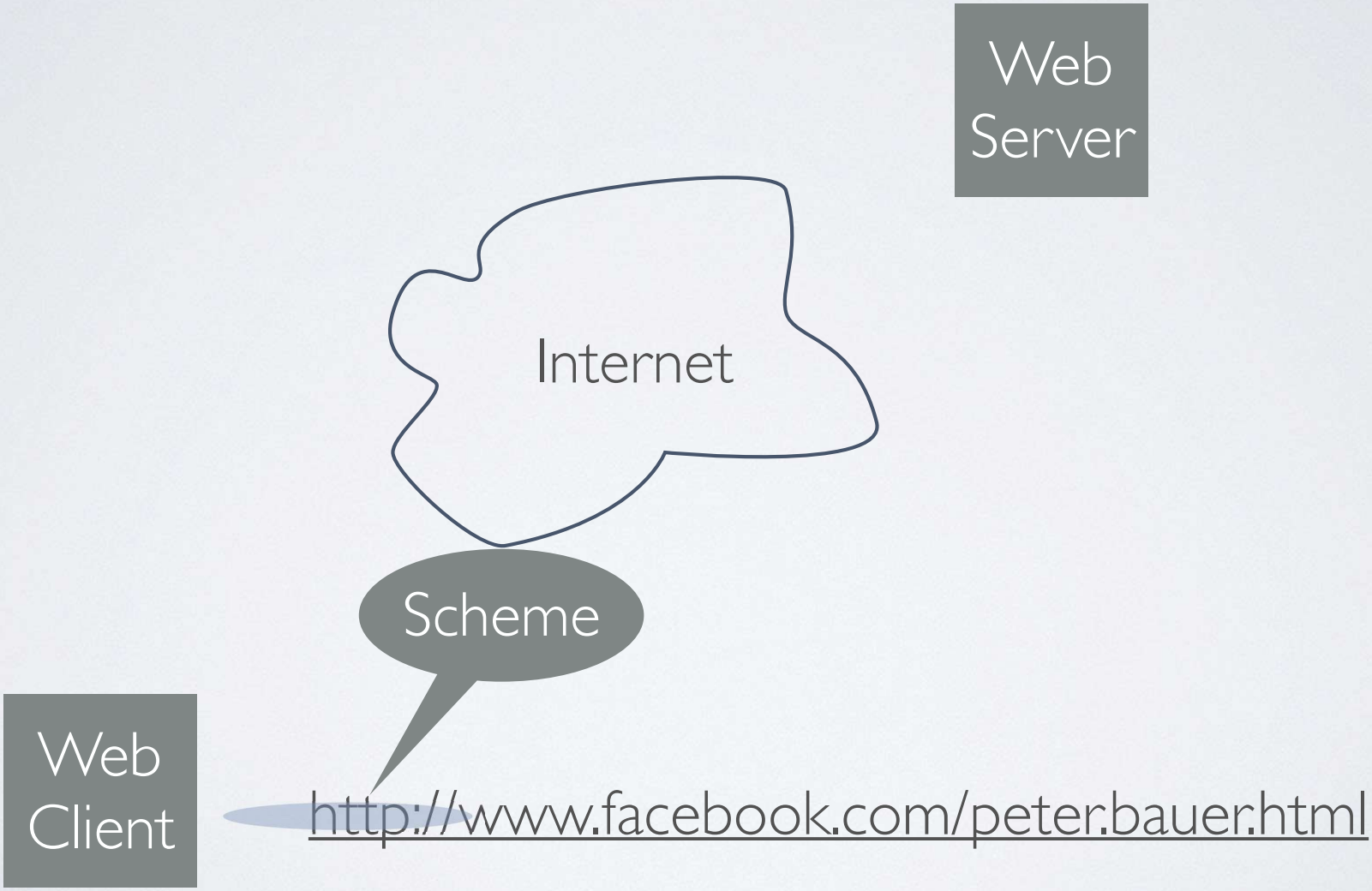

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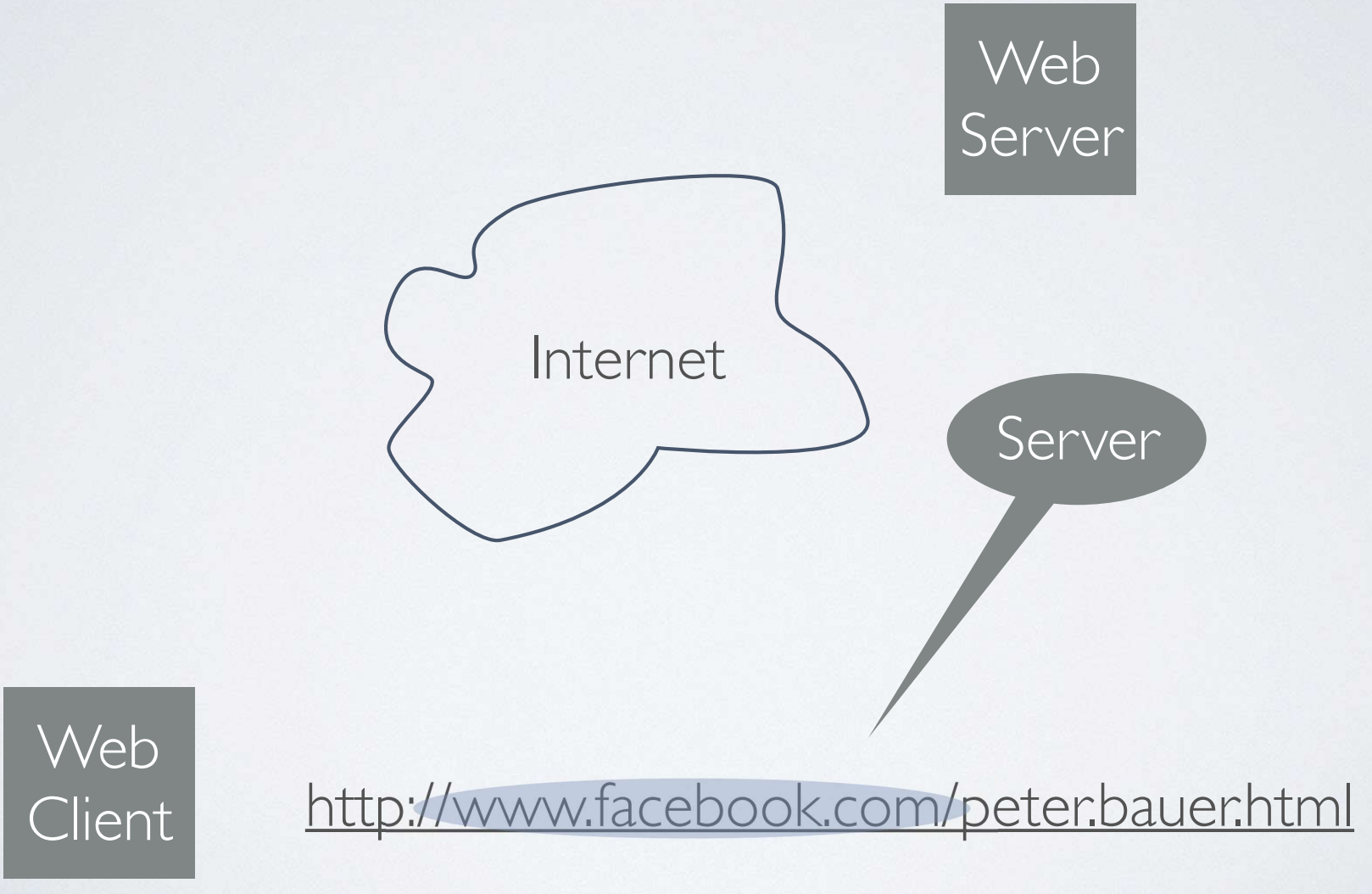

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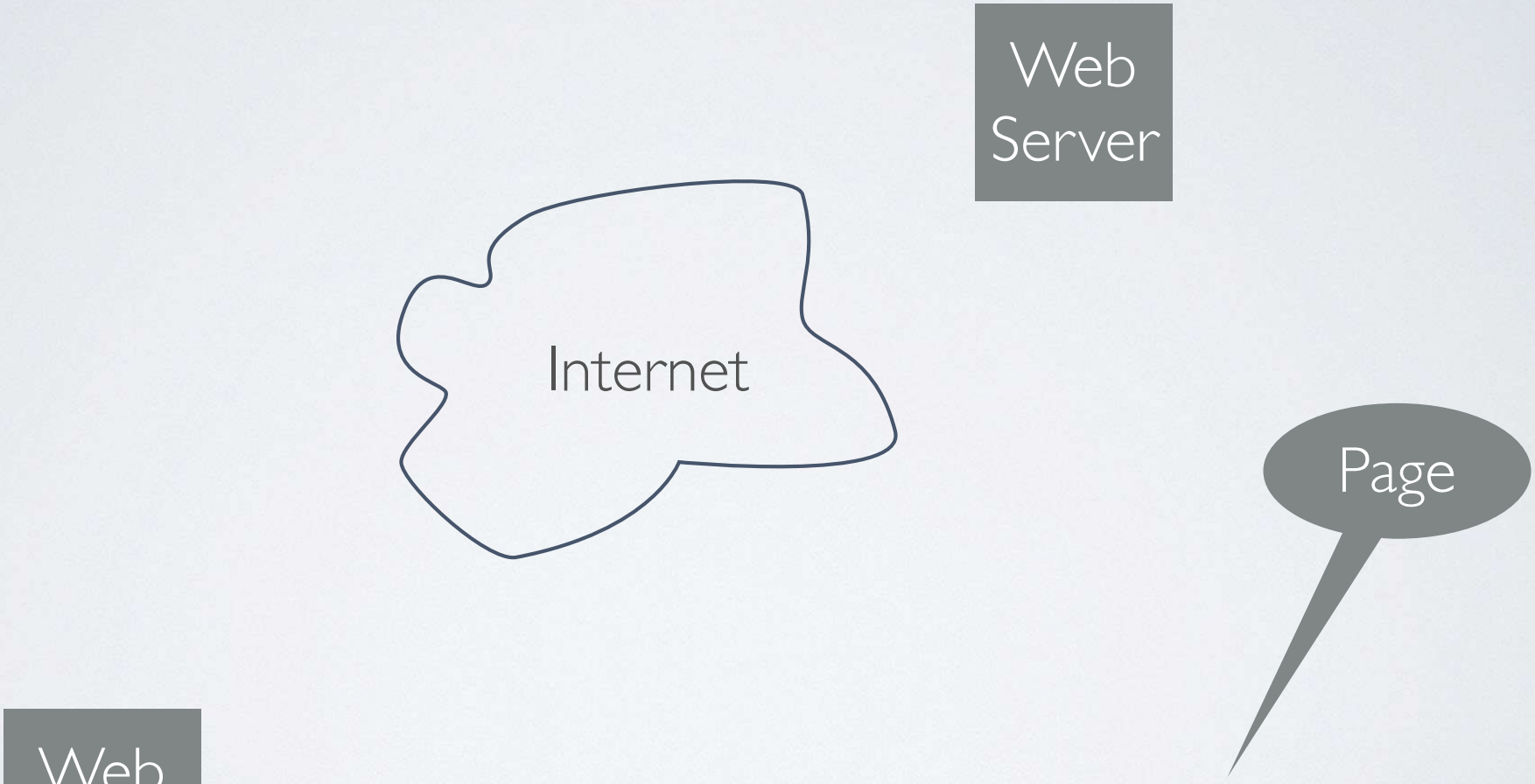

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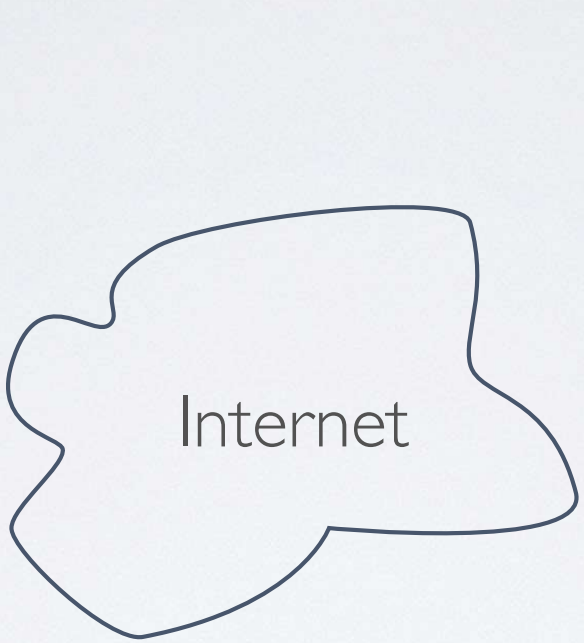

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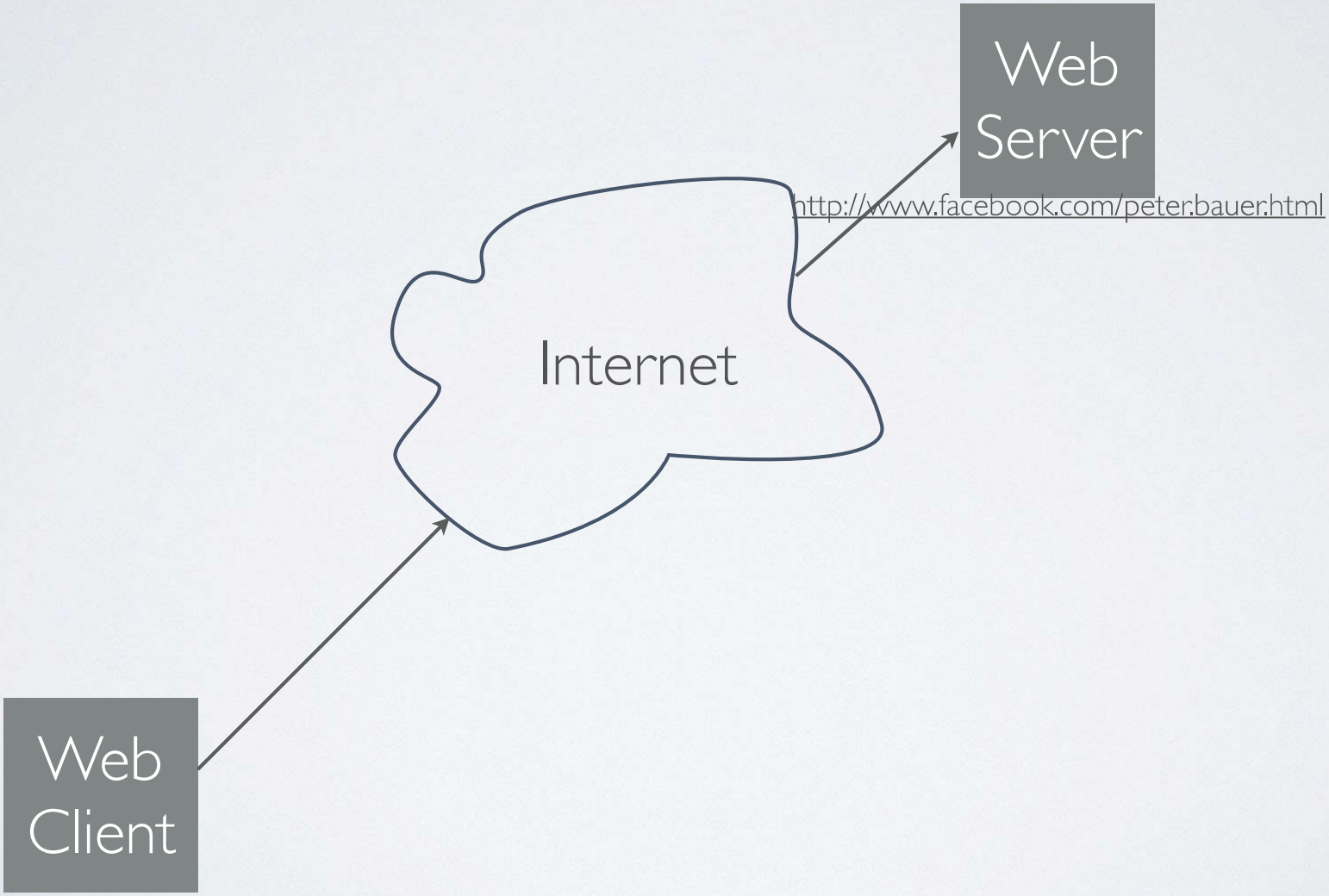

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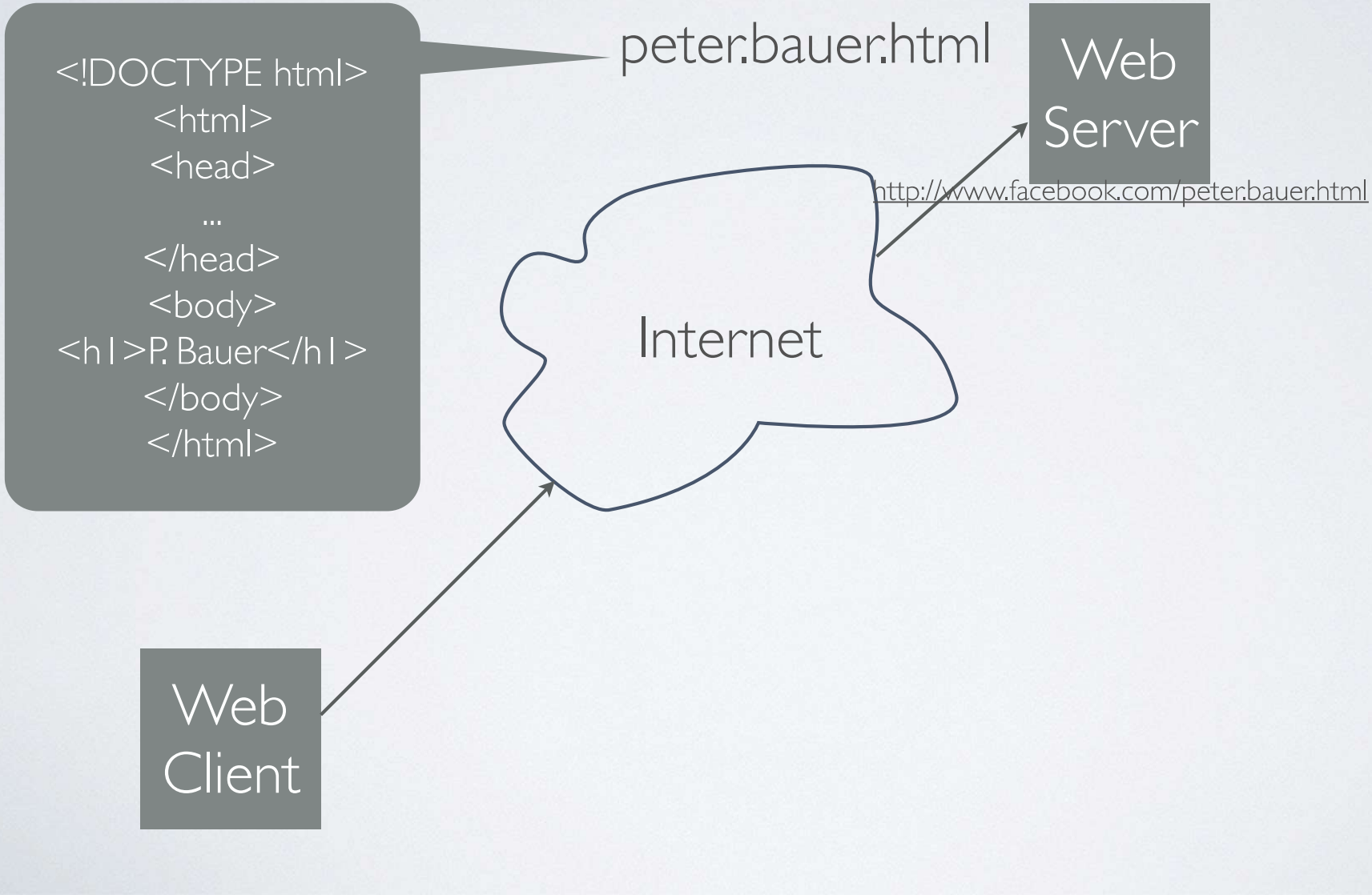

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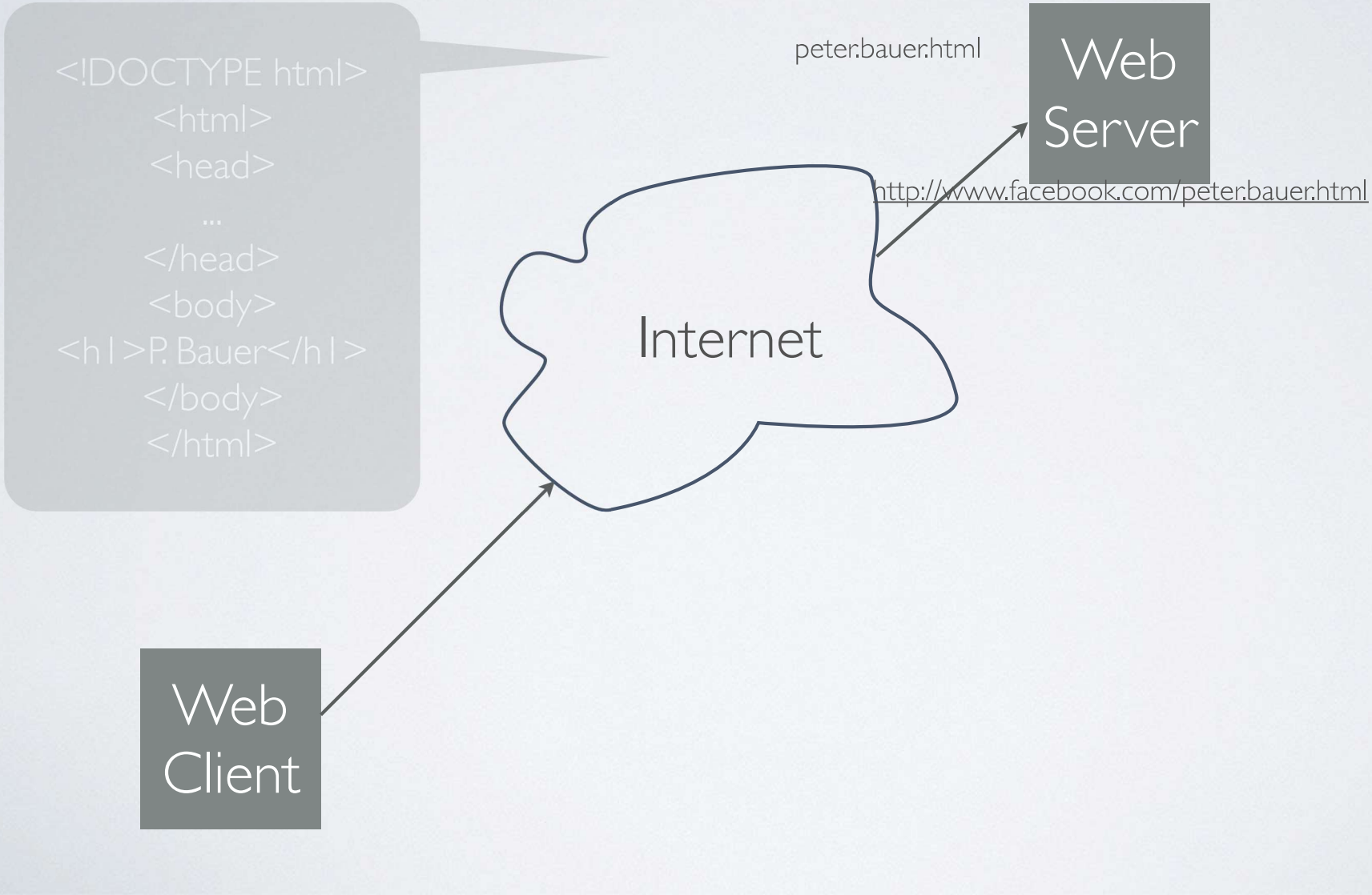

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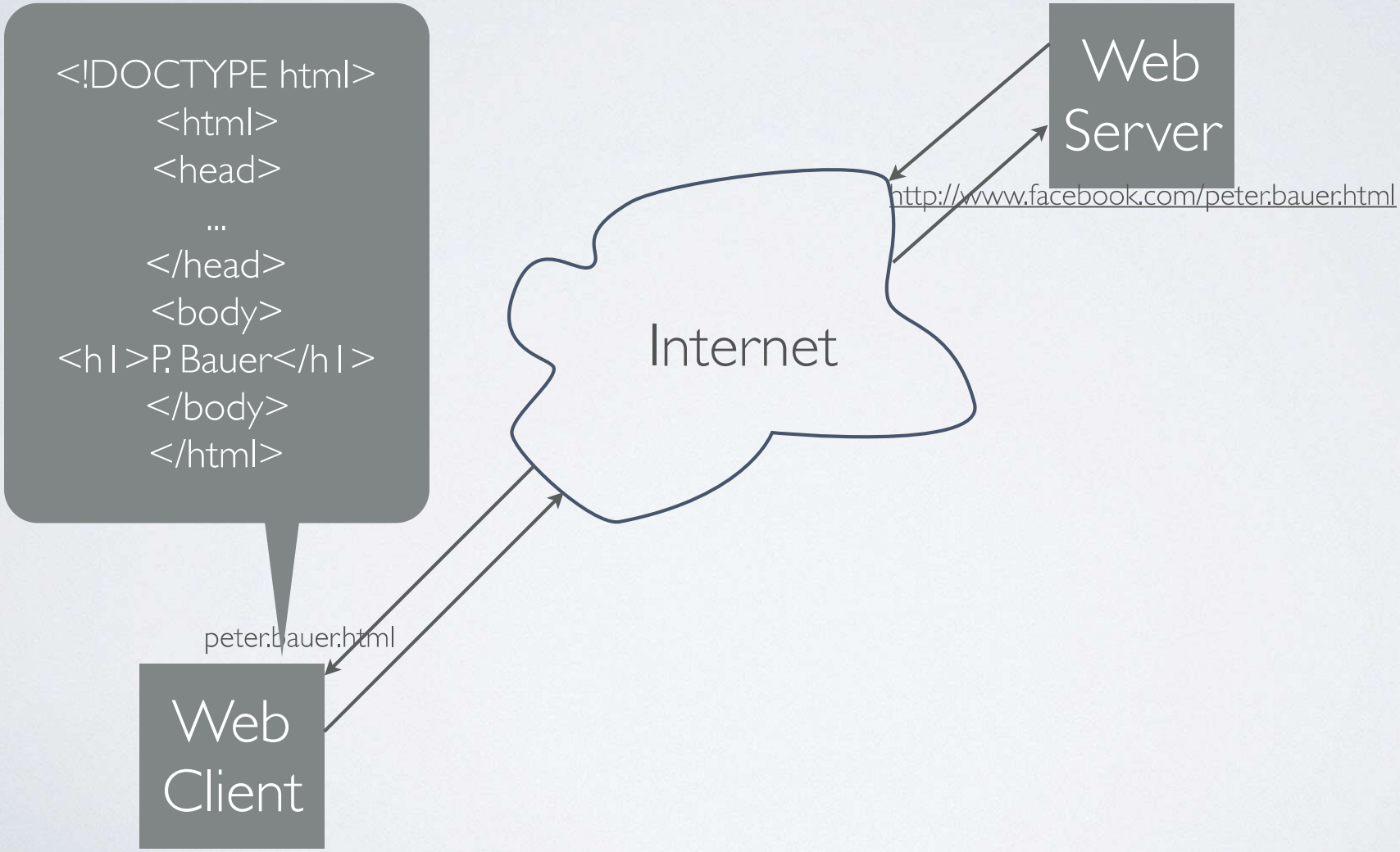


COMMON WEB SERVERS AND WEB CLIENTS

Web Server

Web Client

COMMON WEB SERVERS AND WEB CLIENTS

Microsoft IIS

jetty://

Web Server

NCSA HTTPd

NGINX

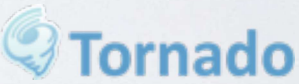
Web Client

Google

Tornado

COMMON WEB SERVERS AND WEB CLIENTS

Web Server



Web Client

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Actually you know these programs as "Web Browsers"

SERVER SIDE STATIC

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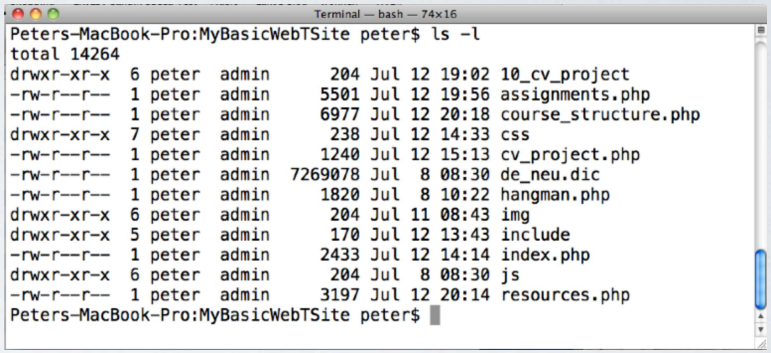

Web Server

Internet

SERVER SIDE STATIC

```
Terminal — bash — 74×16
Peters-MacBook-Pro:MyBasicWebTSite peter$ ls -l
total 14264
drwxr-xr-x  6 peter  admin      204 Jul 12 19:02 10_cv_project
-rw-r--r--  1 peter  admin     5501 Jul 12 19:56 assignments.php
-rw-r--r--  1 peter  admin     6977 Jul 12 20:18 course_structure.php
drwxr-xr-x  7 peter  admin      238 Jul 12 14:33 css
-rw-r--r--  1 peter  admin     1240 Jul 12 15:13 cv_project.php
-rw-r--r--  1 peter  admin  7269078 Jul  8 08:30 de_neu.dic
-rw-r--r--  1 peter  admin     1820 Jul  8 10:22 hangman.php
drwxr-xr-x  6 peter  admin      204 Jul 11 08:43 img
drwxr-xr-x  5 peter  admin      170 Jul 12 13:43 include
-rw-r--r--  1 peter  admin     2433 Jul 12 14:14 index.php
drwxr-xr-x  6 peter  admin      204 Jul  8 08:30 js
-rw-r--r--  1 peter  admin     3197 Jul 12 20:14 resources.php
Peters-MacBook-Pro:MyBasicWebTSite peter$
```

Web Server

http://www.facebook.com/peter.bauer.html

Internet

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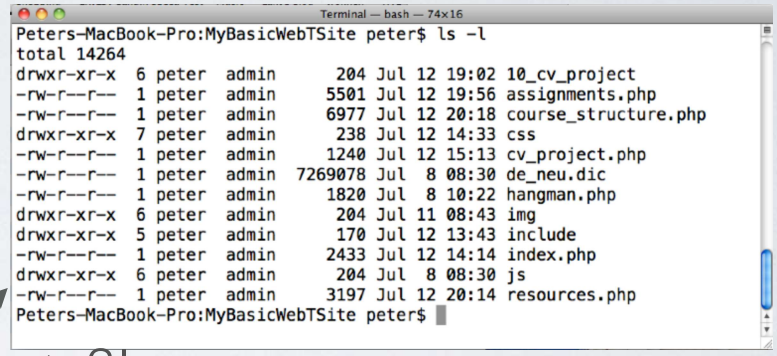

get file

Web Server

http://www.facebook.com/peter.bauer.html

Internet

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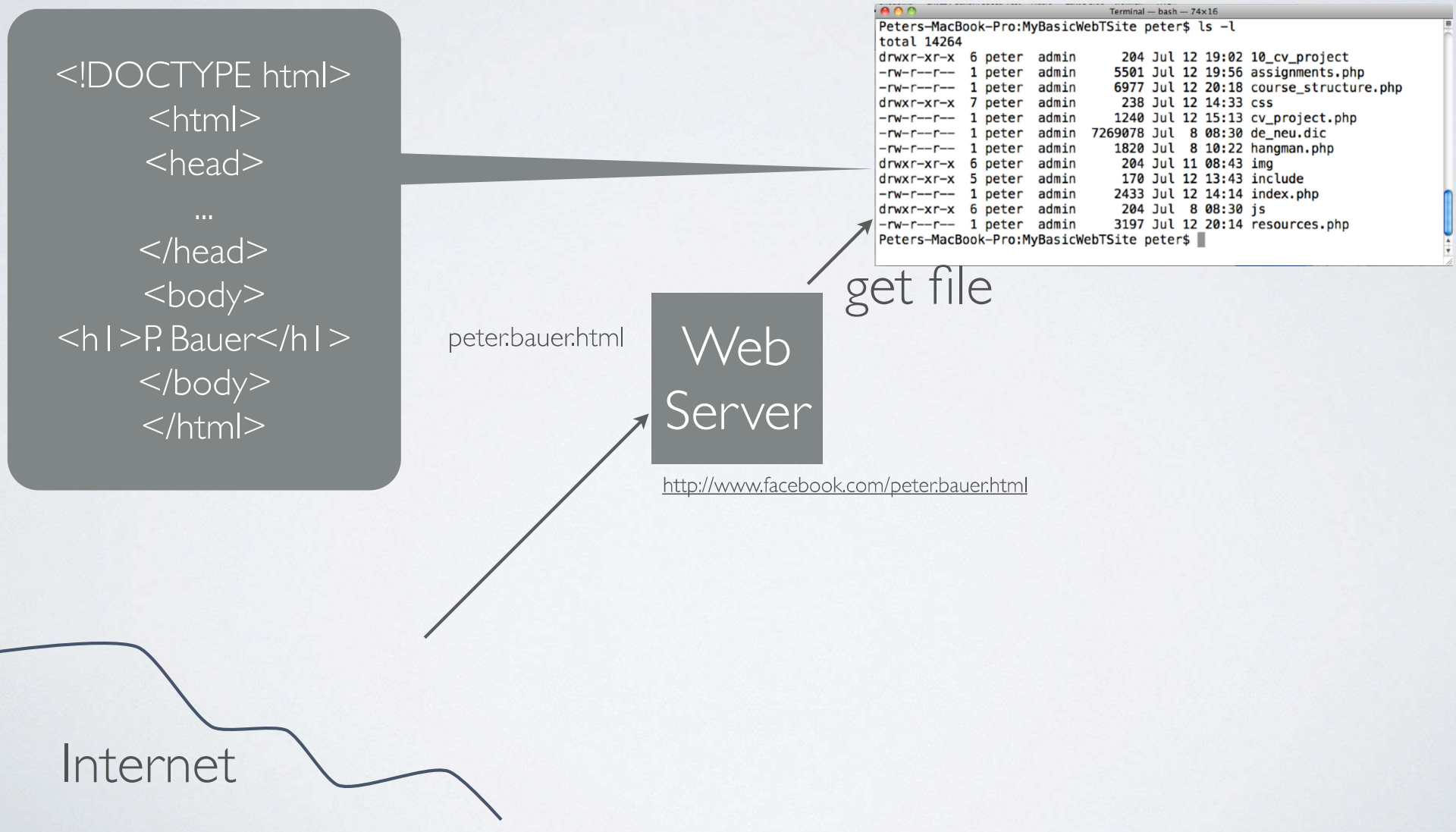

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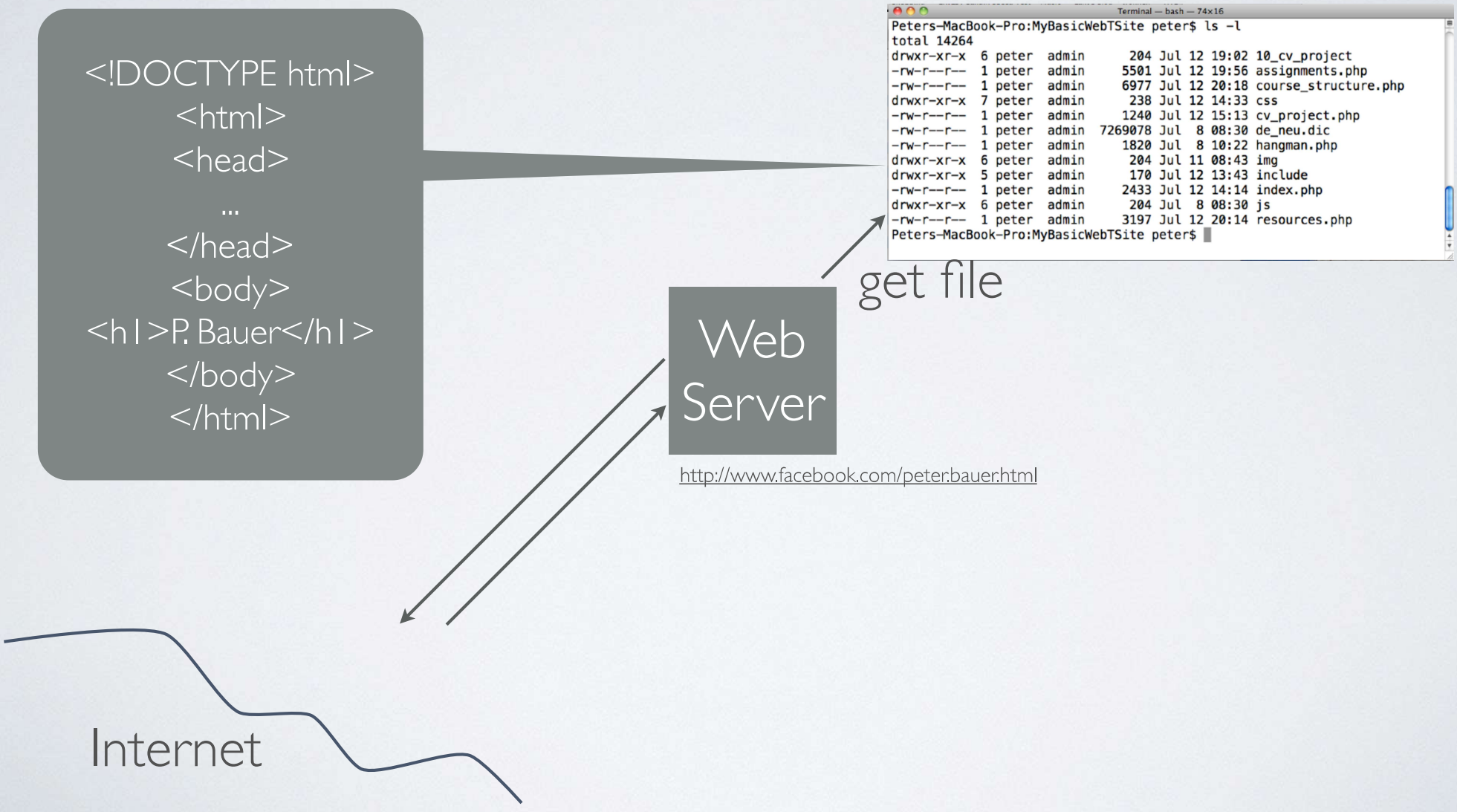

SERVER SIDE DYNAMIC

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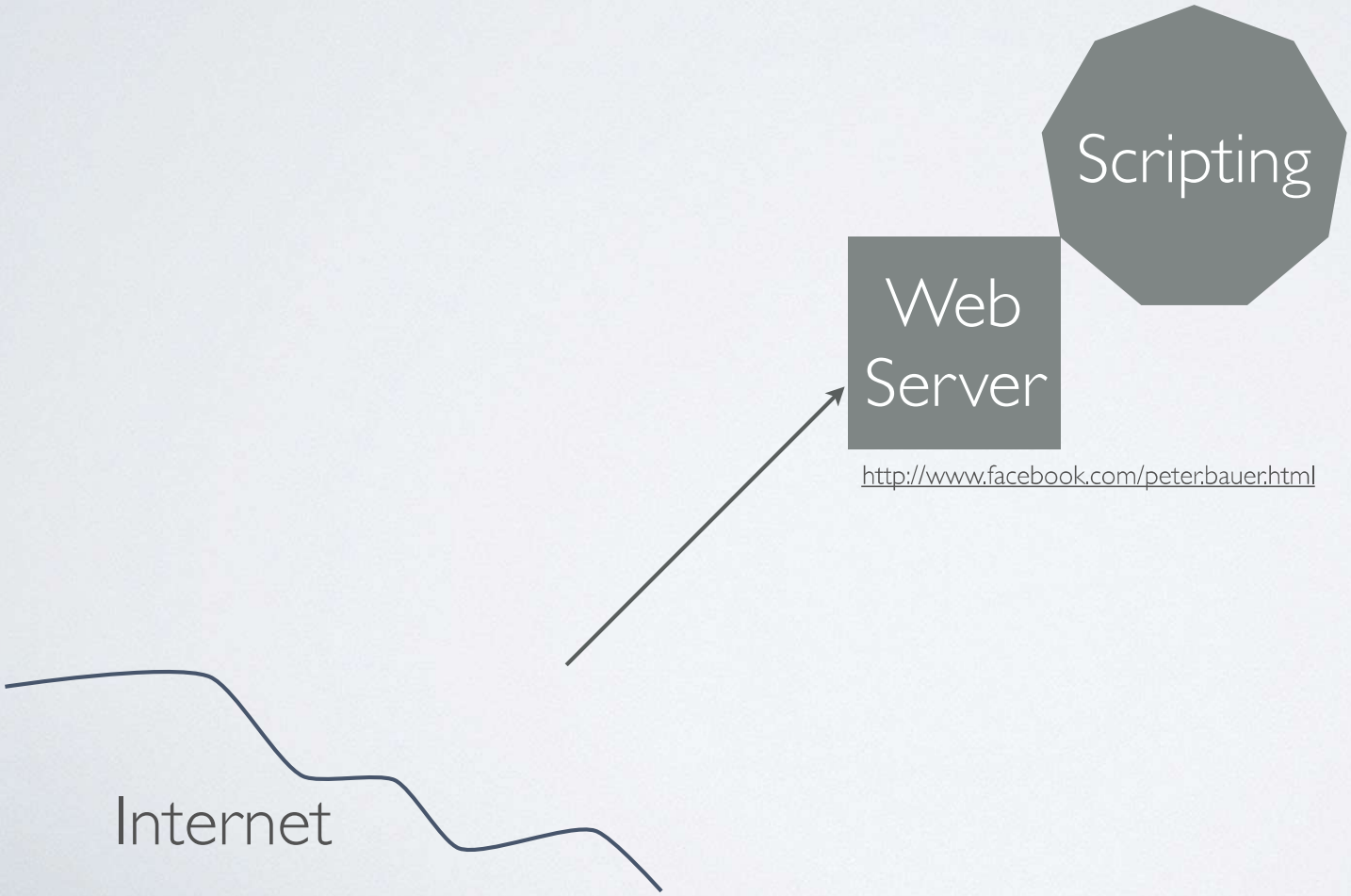

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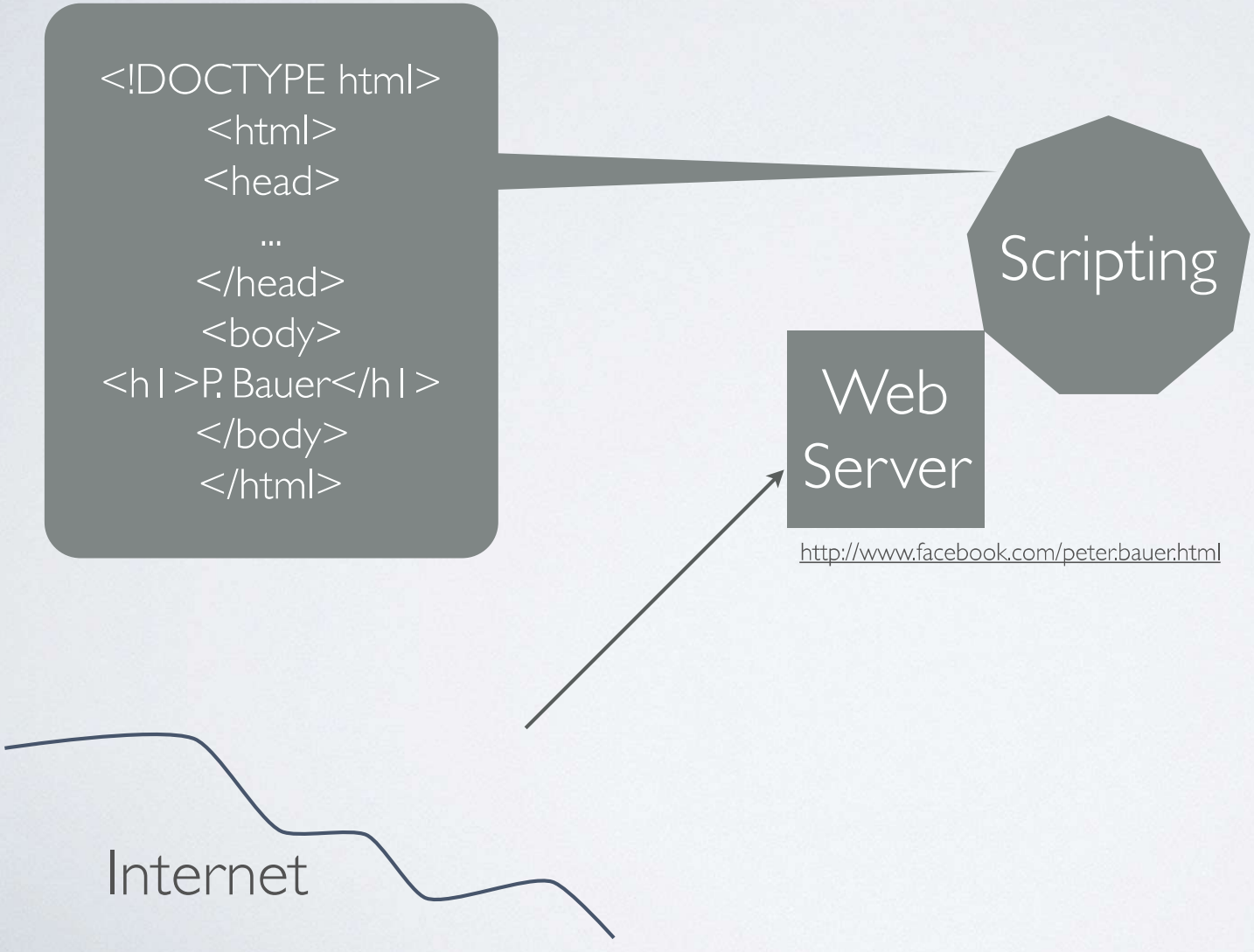

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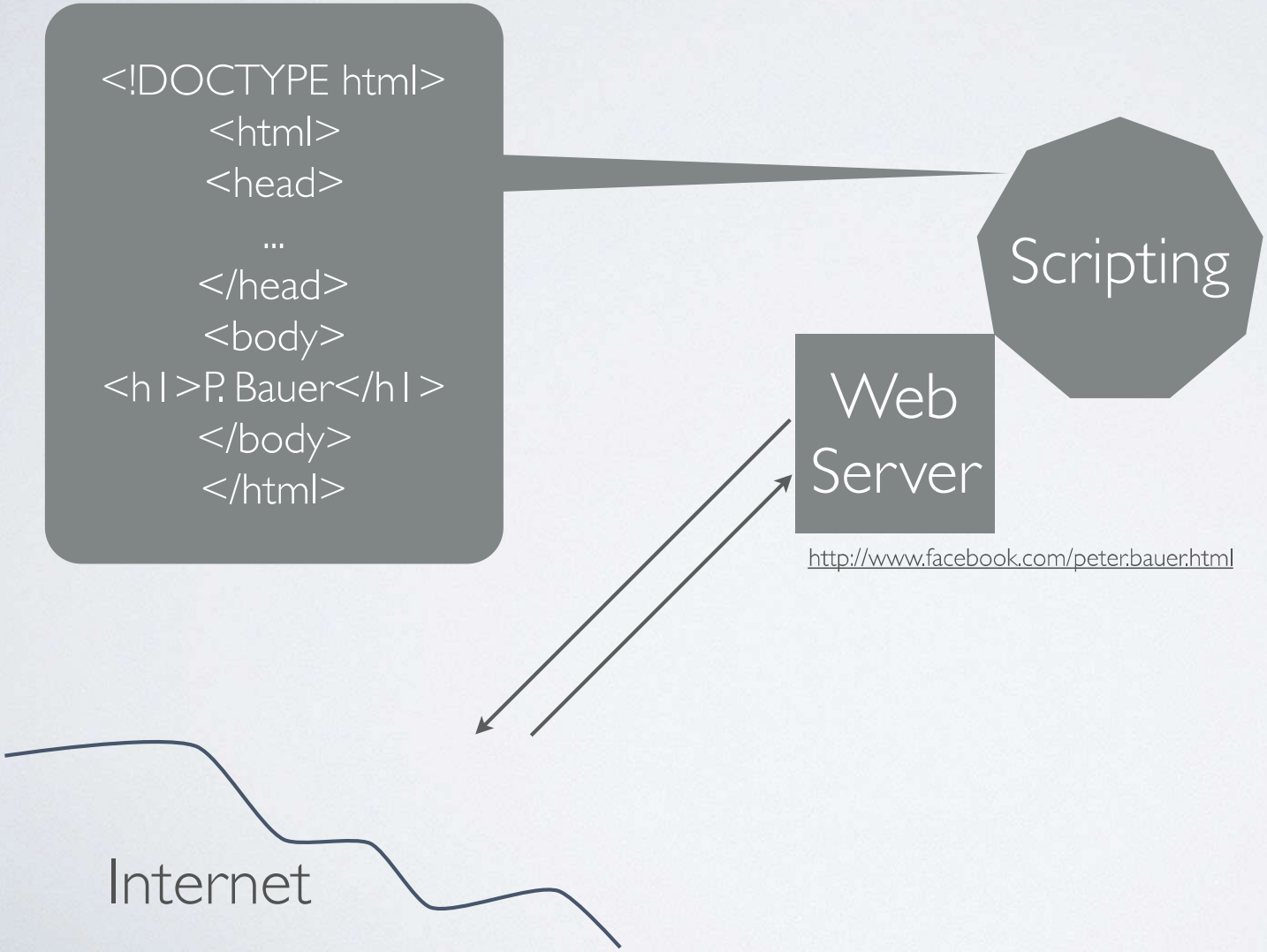

SERVER SIDE DATA BASE DRIVEN

Web Server

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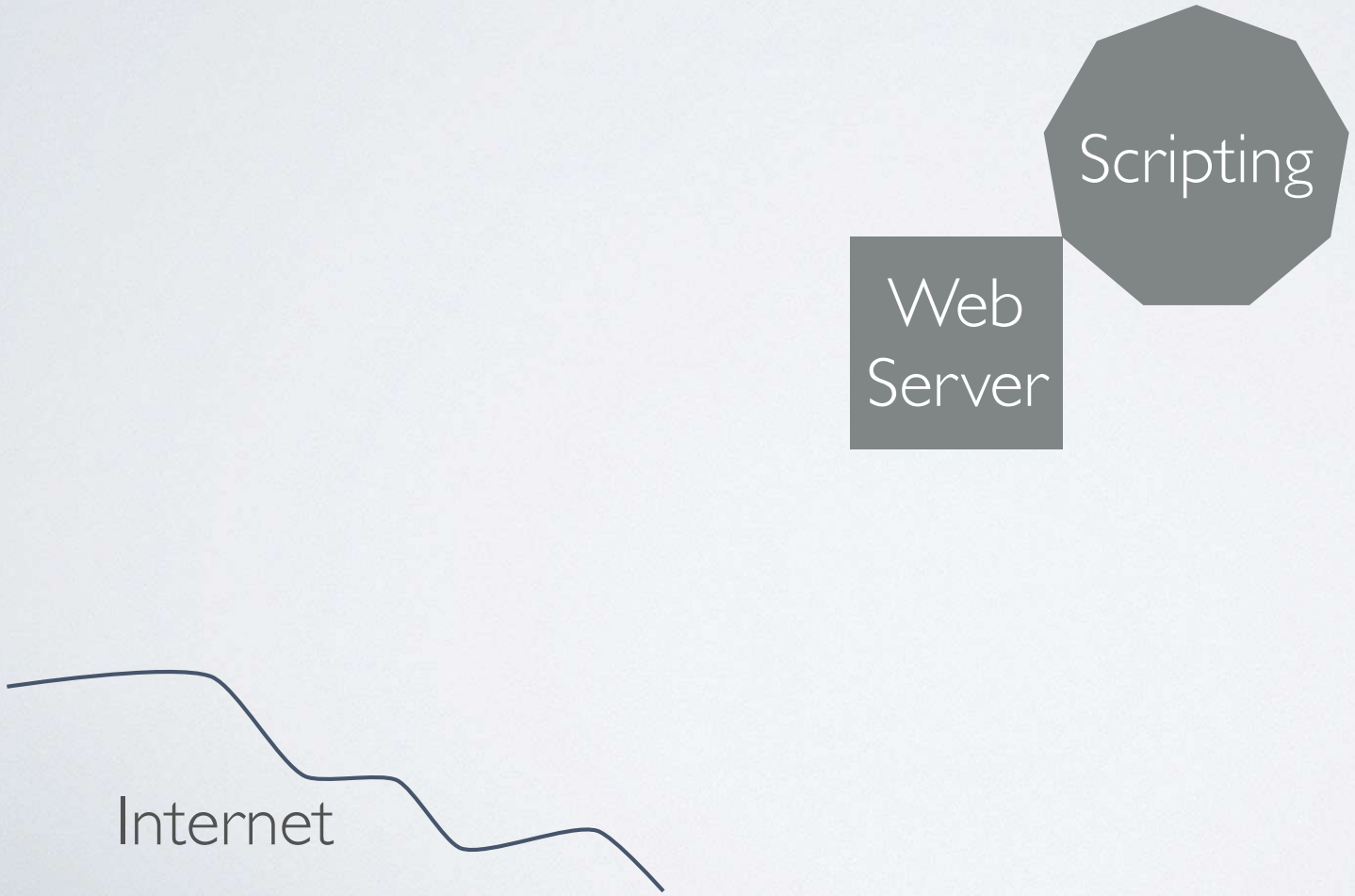

SERVER SIDE DATA BASE DRIVEN

Internet

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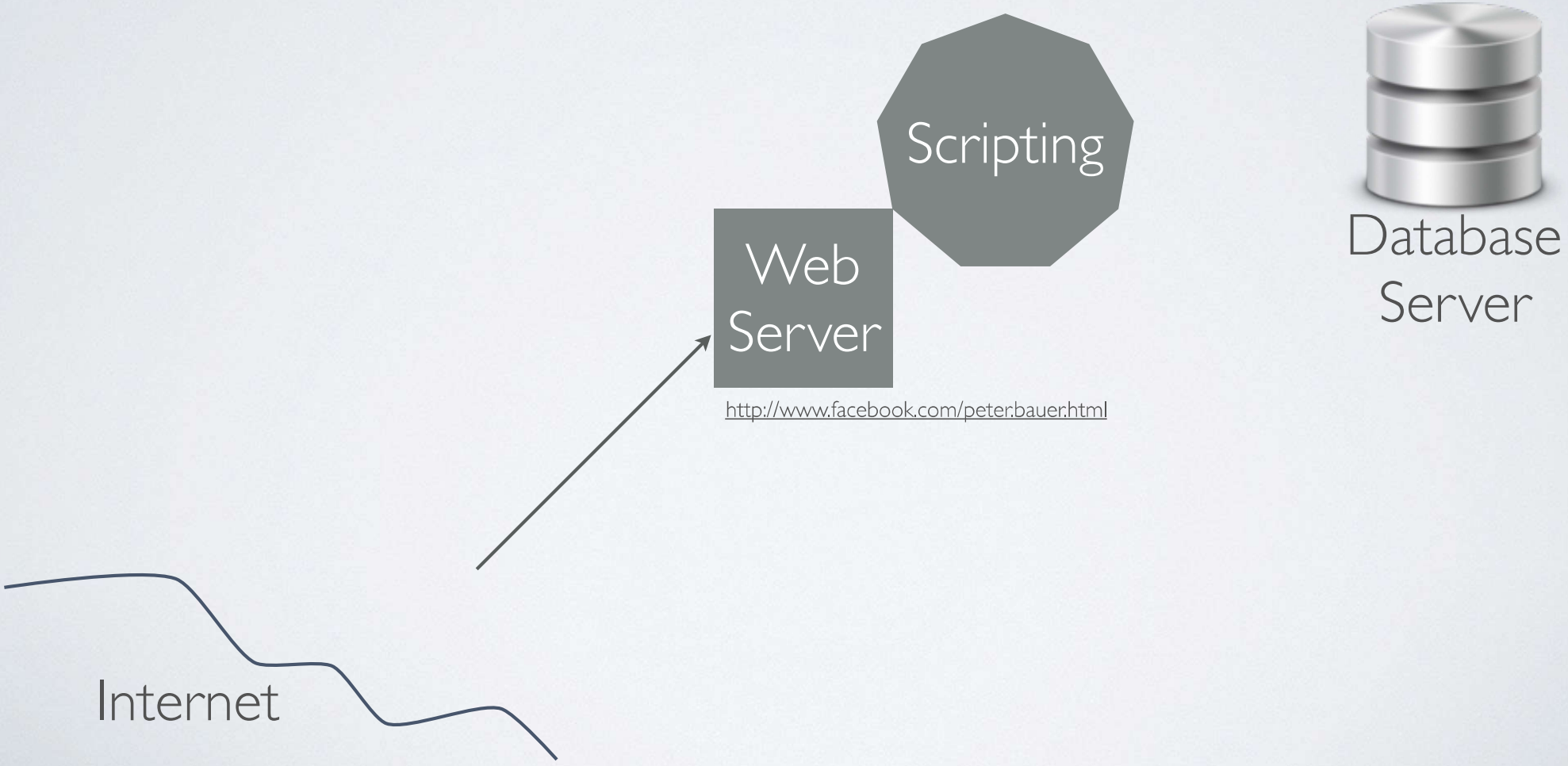

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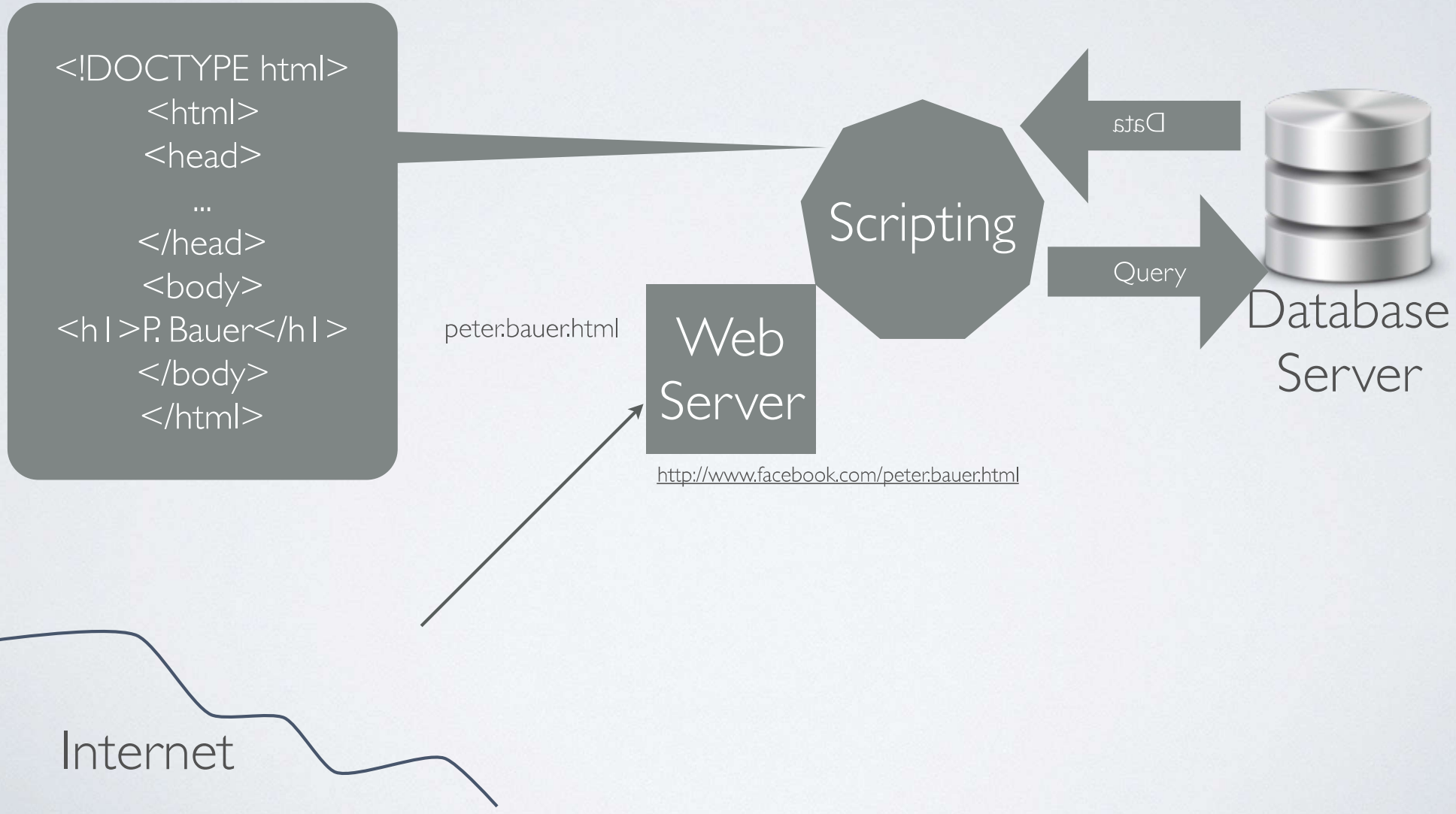

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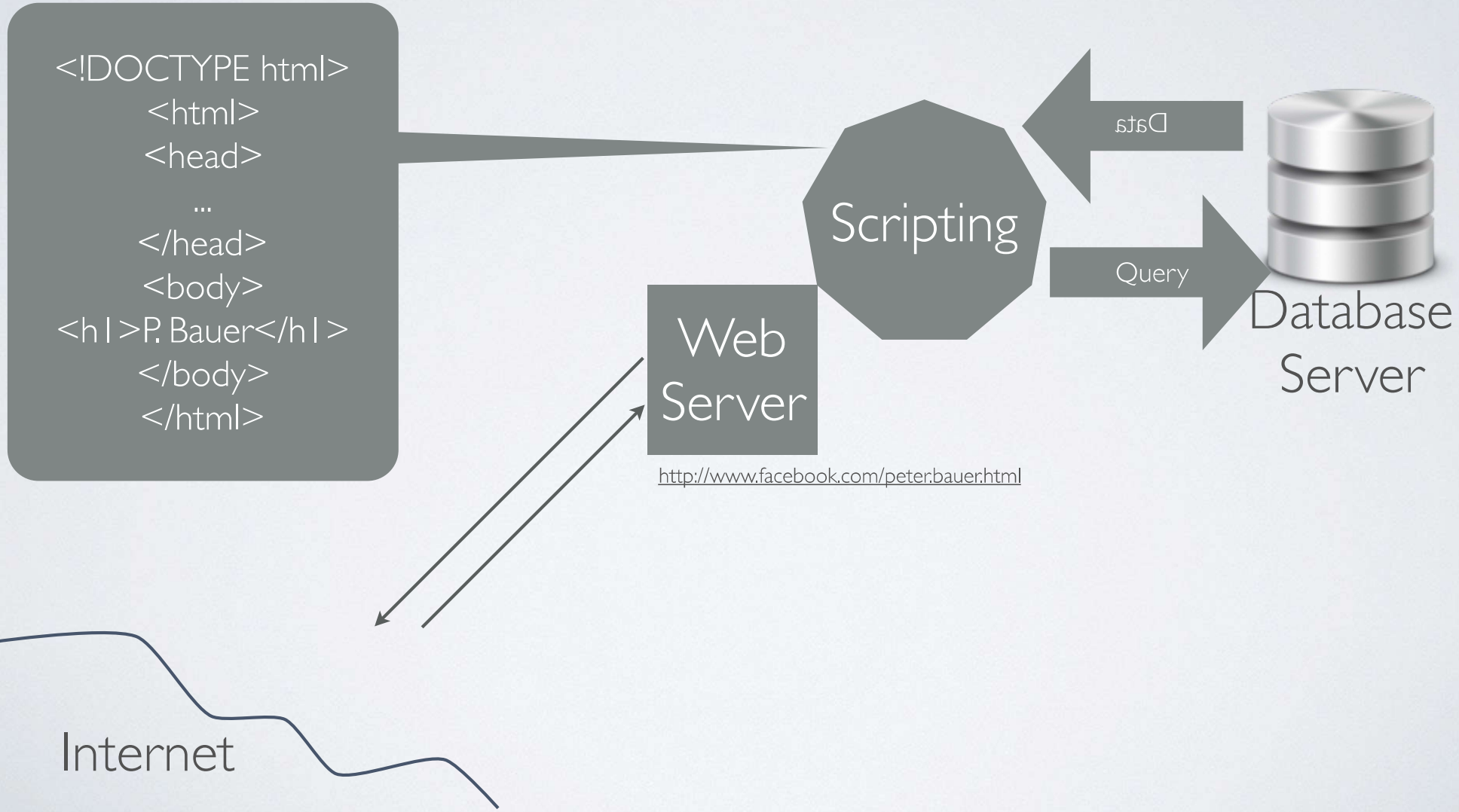

BROWSER SIDE

Web Browser

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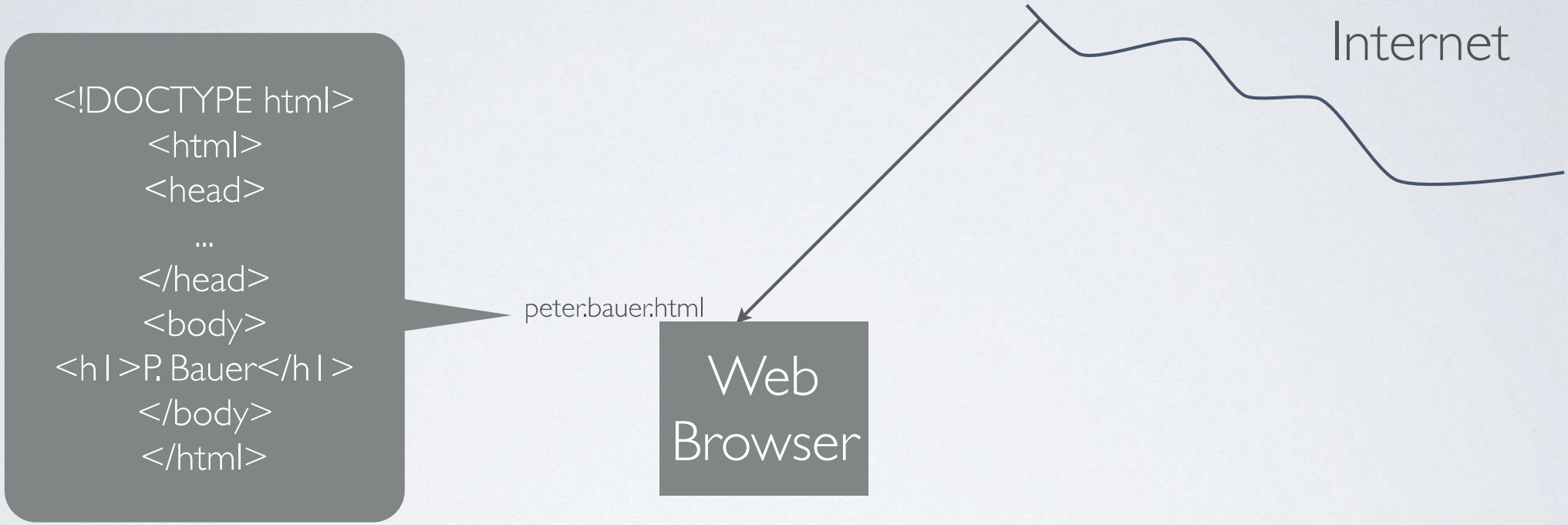

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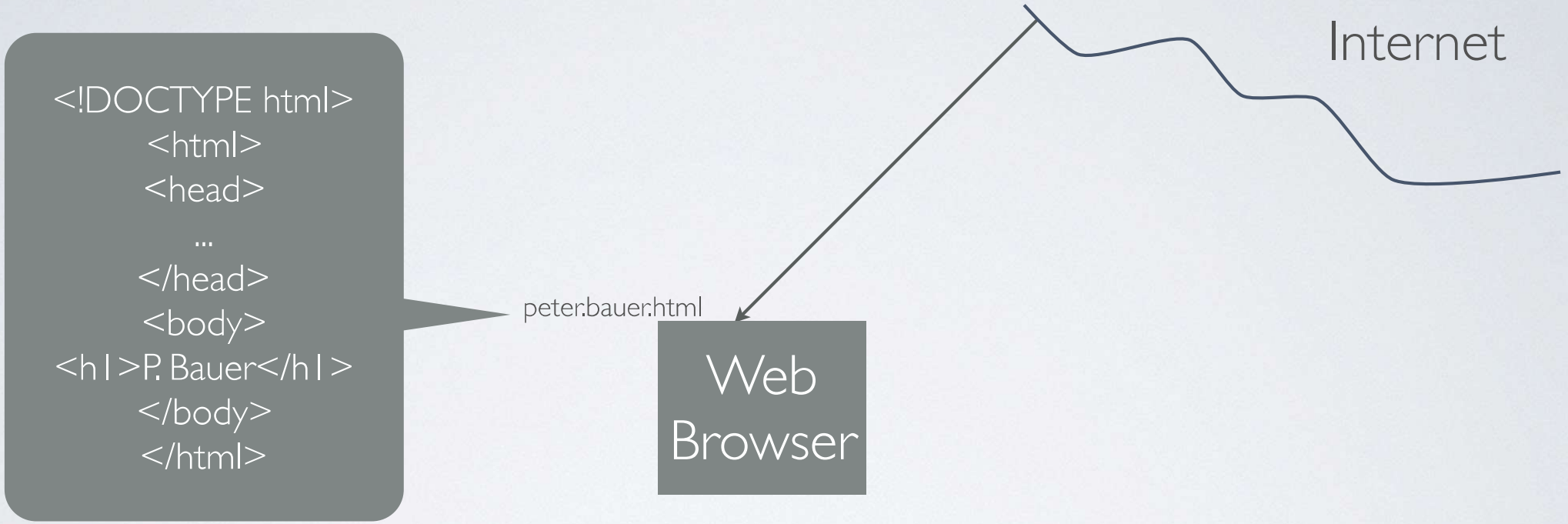

- Rendering

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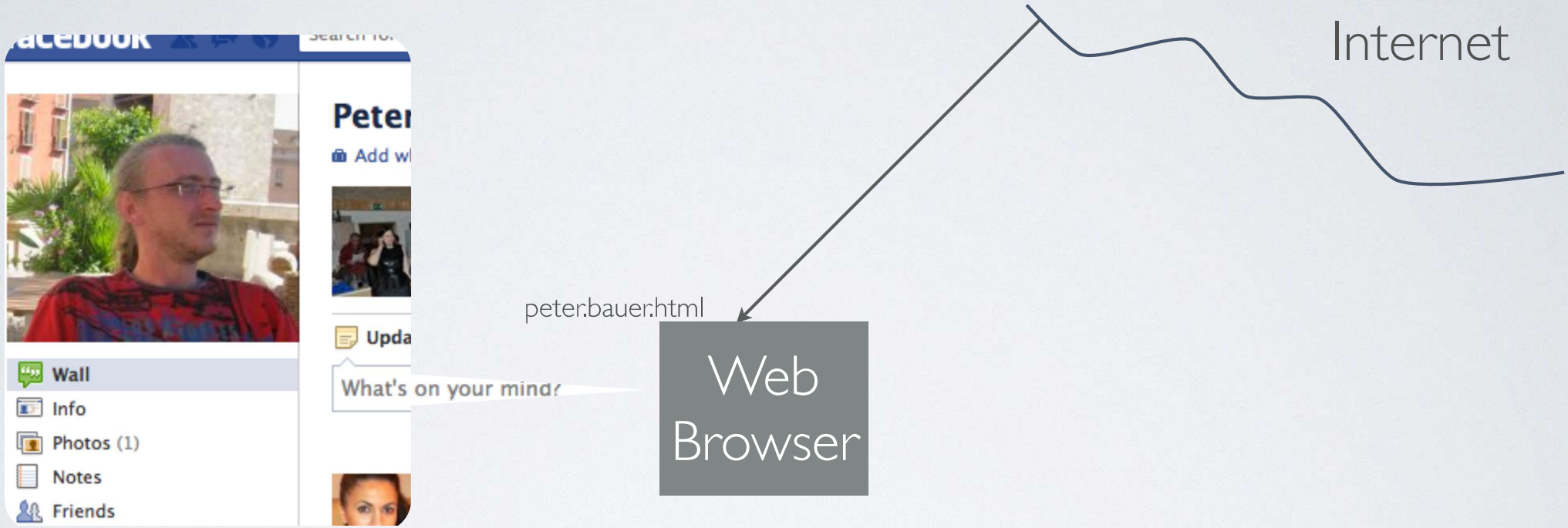

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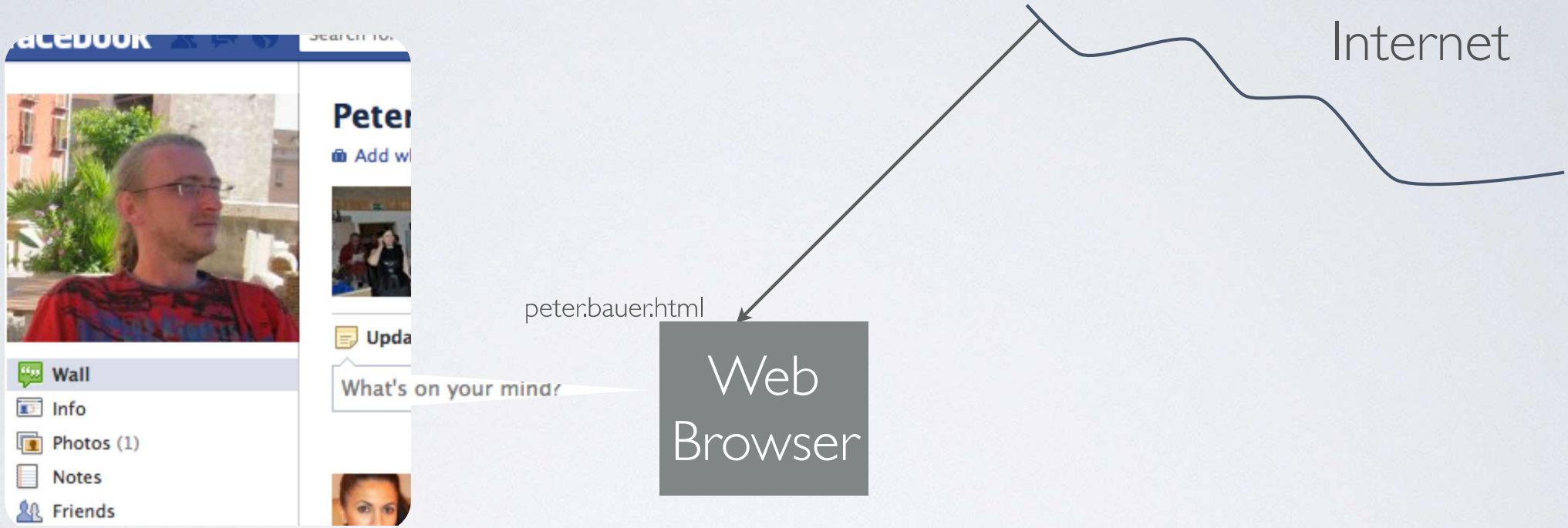
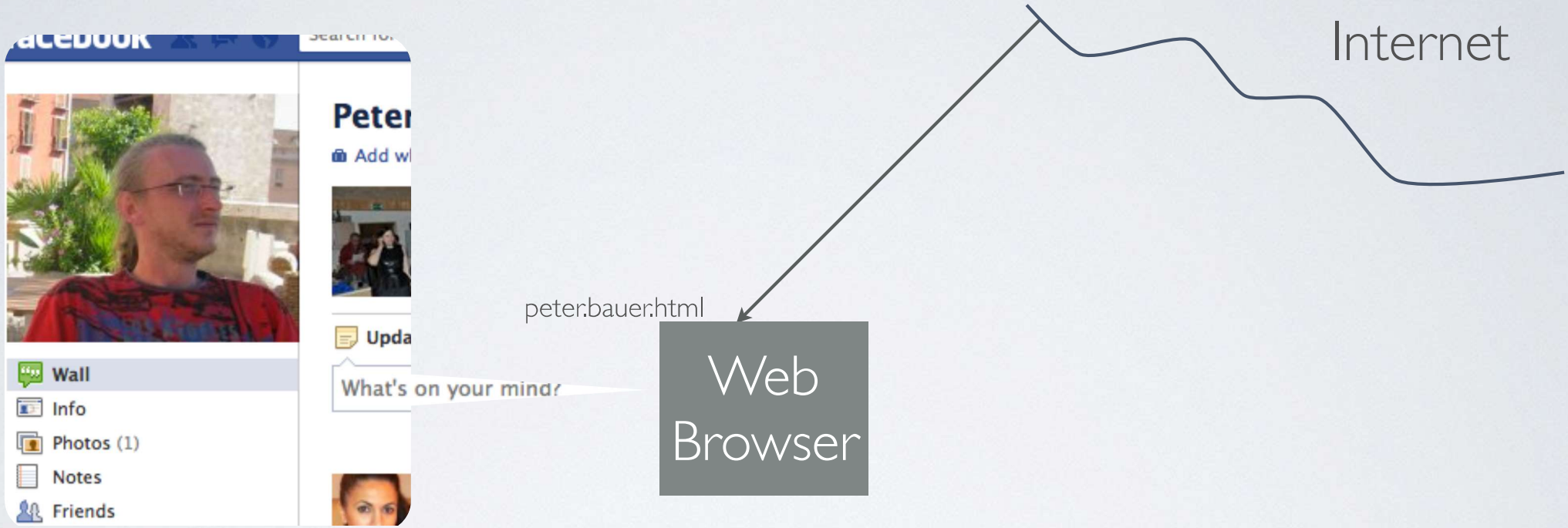


- Rendering
- Local input evaluation

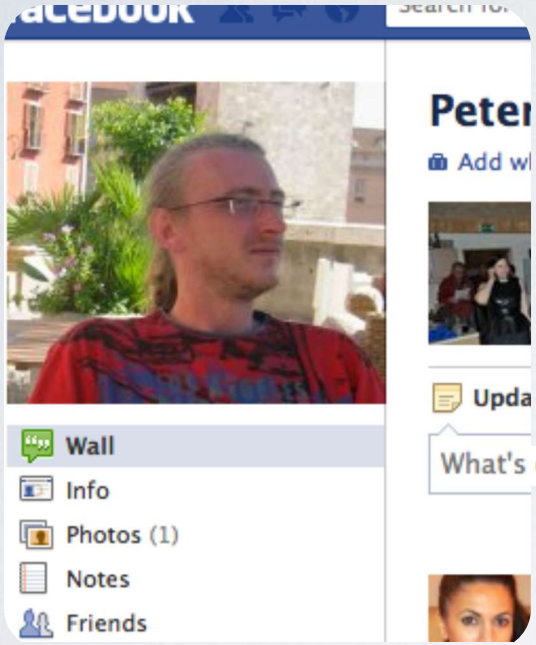
BROWSER SIDE

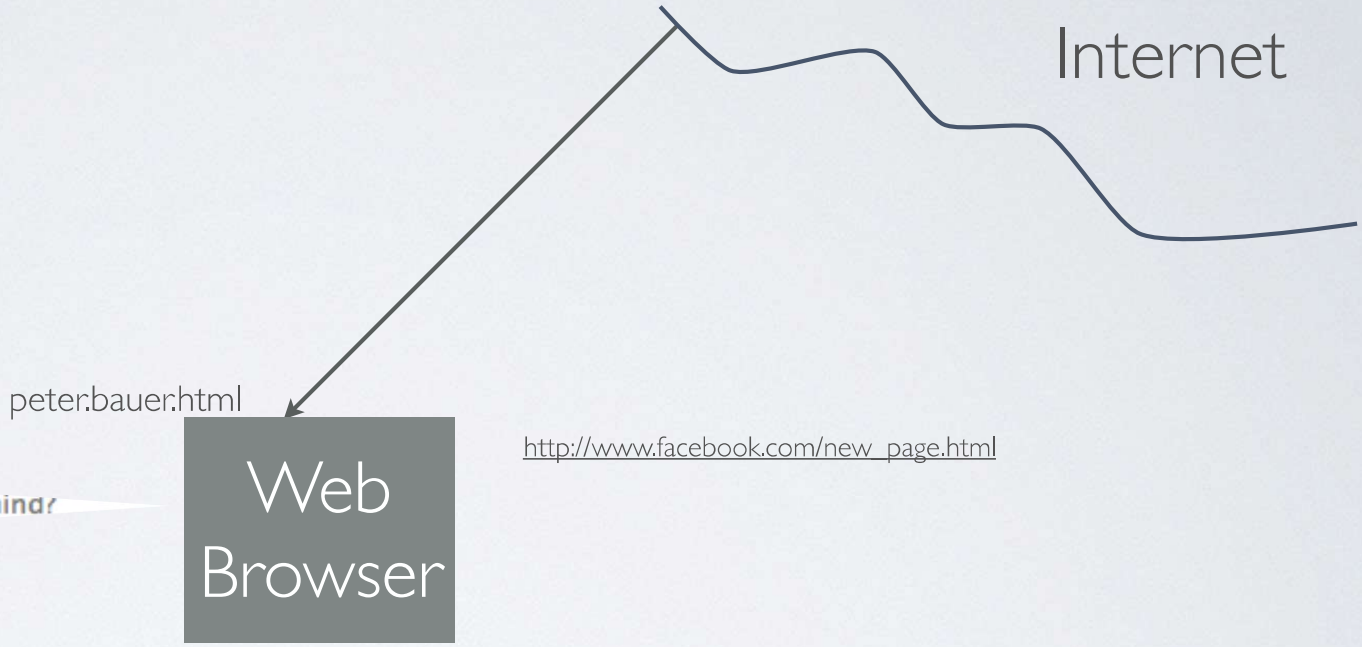


- Rendering
- Local input evaluation

- Animations and other fancy GUI stuff

BROWSER SIDE





- Rendering
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- Animations and other fancy GUI stuff
- Requests new page

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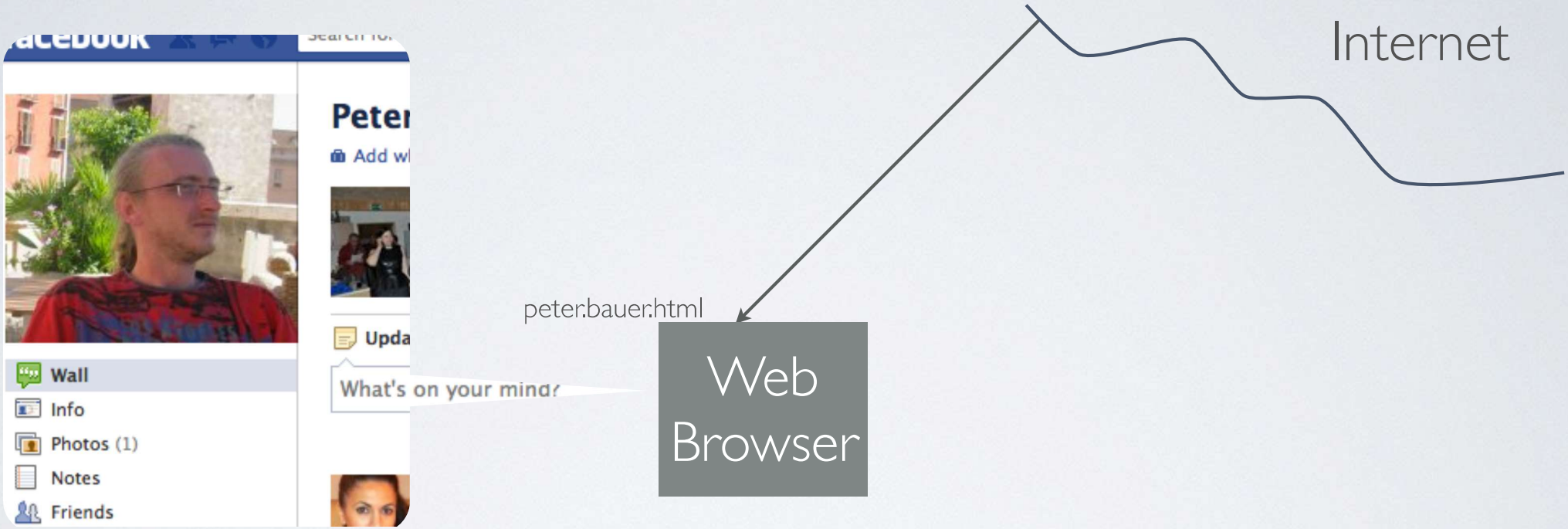

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