Accept Push Policy Header

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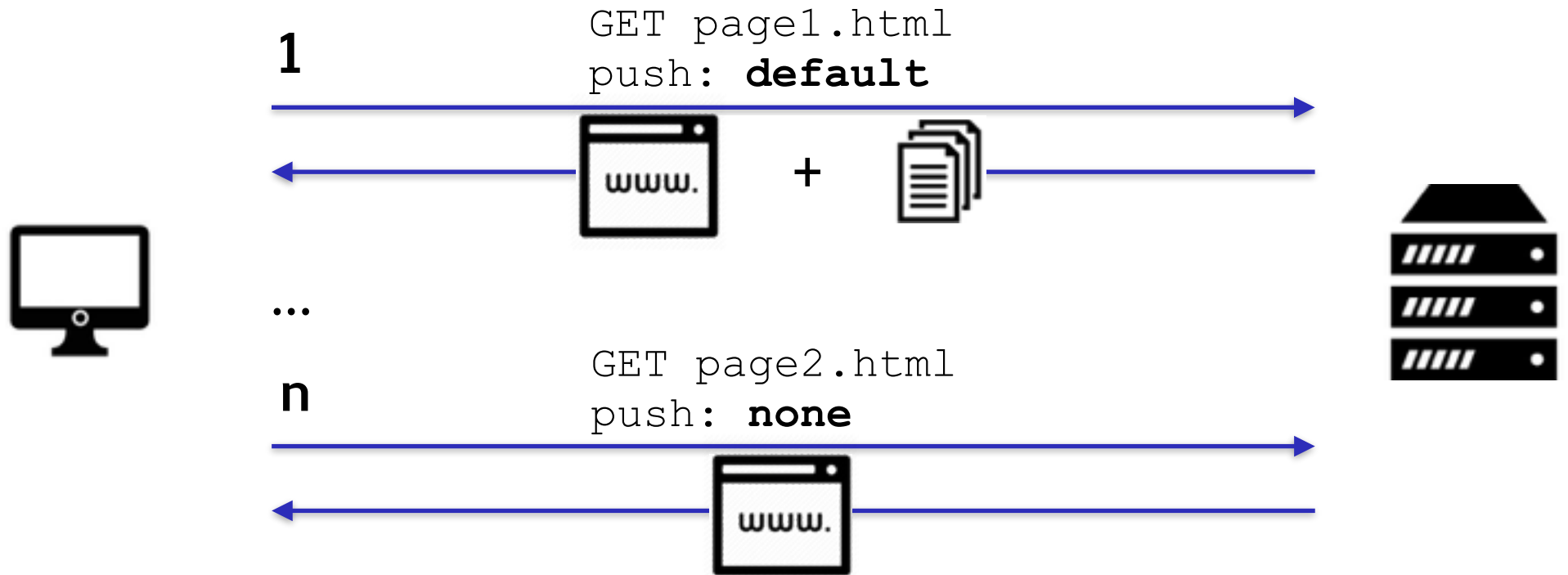
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USE-CASES
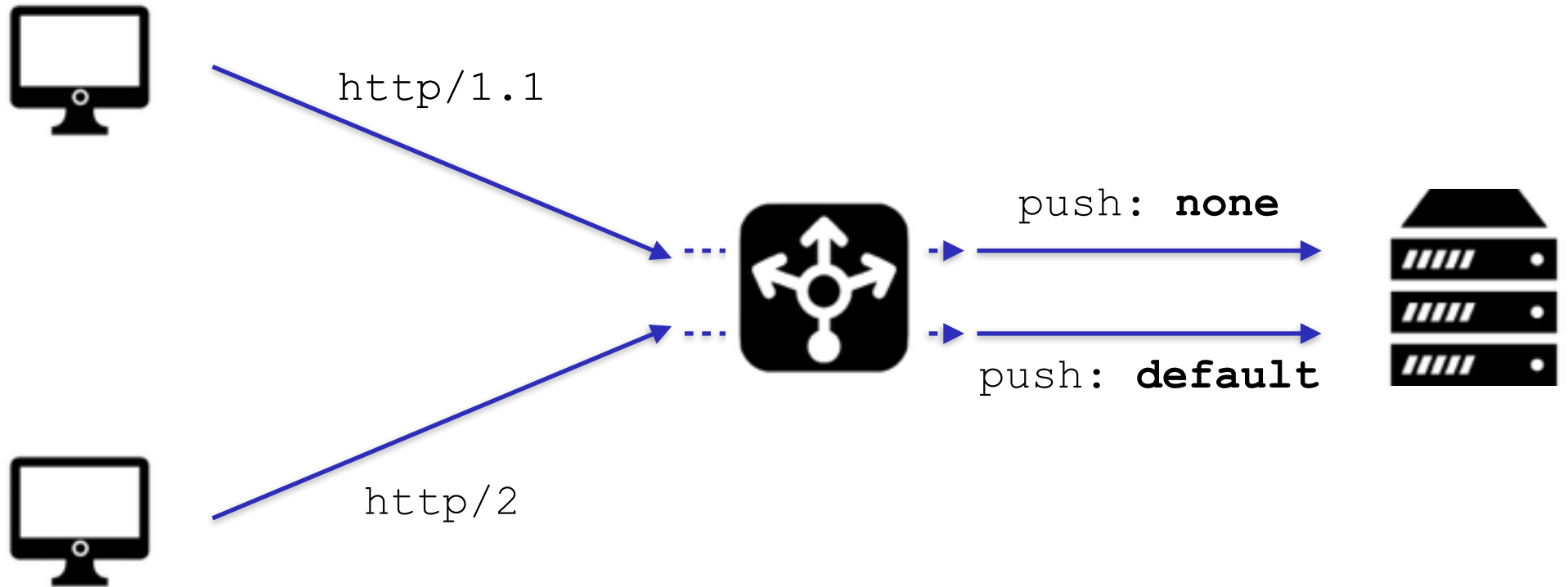
Retrieving several pages

- Don't push sub-resources when client's cache contains many of them

```
                GET page1.html
  1             push: default

          www.      +

  ...

                GET page2.html
  n             push: none

          www.
```

Load Balancer

- Push only when load balancer can push to original client

http/1.1

http/2

push: **none**

push: **default**

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Fast First Display

- Push sub-resources necessary for a first page display

```
GET page1.html
push: first-display
```

www. +

PUSH-POLICY

Push Policy

- Defines server behavior regarding push
- Can use different policies for different requests
- Push Policy negotiation
    - Client asks for 1 (or more) push policies
    - Server tells what policy it uses

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Header Fields

- Accept-Push-Policy

  - Client's expectations

    ```
    Accept-Push-Policy: ExpectedPolicy
    Accept-Push-Policy: PrefPolicy, AltPolicy; q=0.5
    ```

- Push-Policy

  - Indication of server behavior

    ```
    Push-Policy: UsedPolicy
    ```

Possible Policies

- **None** Push Policy
  - Don't push anything
- **Head** Push Policy
  - Push only "HEAD" responses
- **Default** Push Policy
  - Default server behavior
- **First-Display** Push Policy
  - Push quickly resources necessary for a first display

QUESTIONS?

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