Accept Push Policy Header

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USES-CASES
Receiving several pages

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

1
GET page1.html
push: default

... + ...

n
GET page2.html
push: none

Canon
- Push only when load balancer can push to original client

http/1.1

push: none

http/2

push: default
Fast First Display

- Push sub-resources necessary for a first page display

GET page1.html
push: first-display
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
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?