

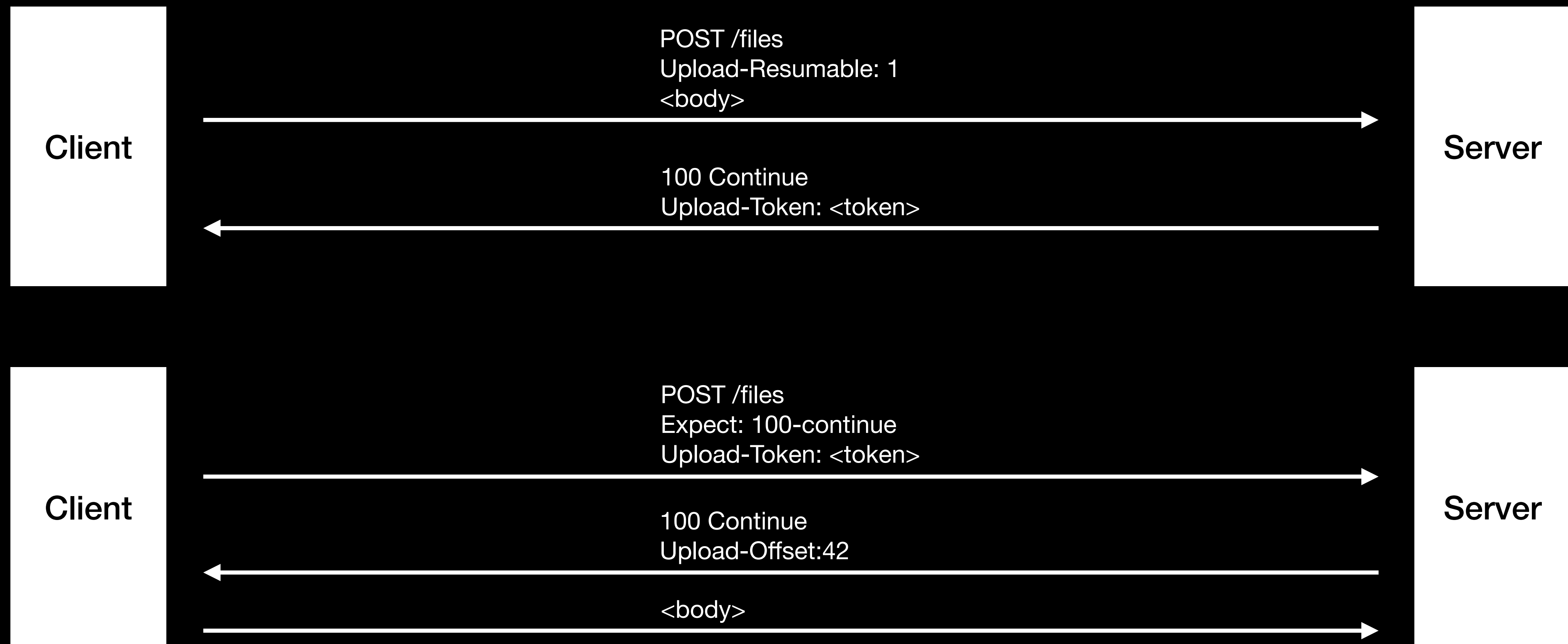
Towards Resumable Uploads Everywhere

Today

- HTTP RFC defines resumable download, but not resumable upload
- Multiple incompatible resumable upload protocols
 - Application-specific, built on top of HTTP

Our initial design

And why it didn't work



Our initial design

And why it didn't work

- Minimum round-trips
- Elegant
- Not implementable*

Our initial design

Not implementable — 100 response

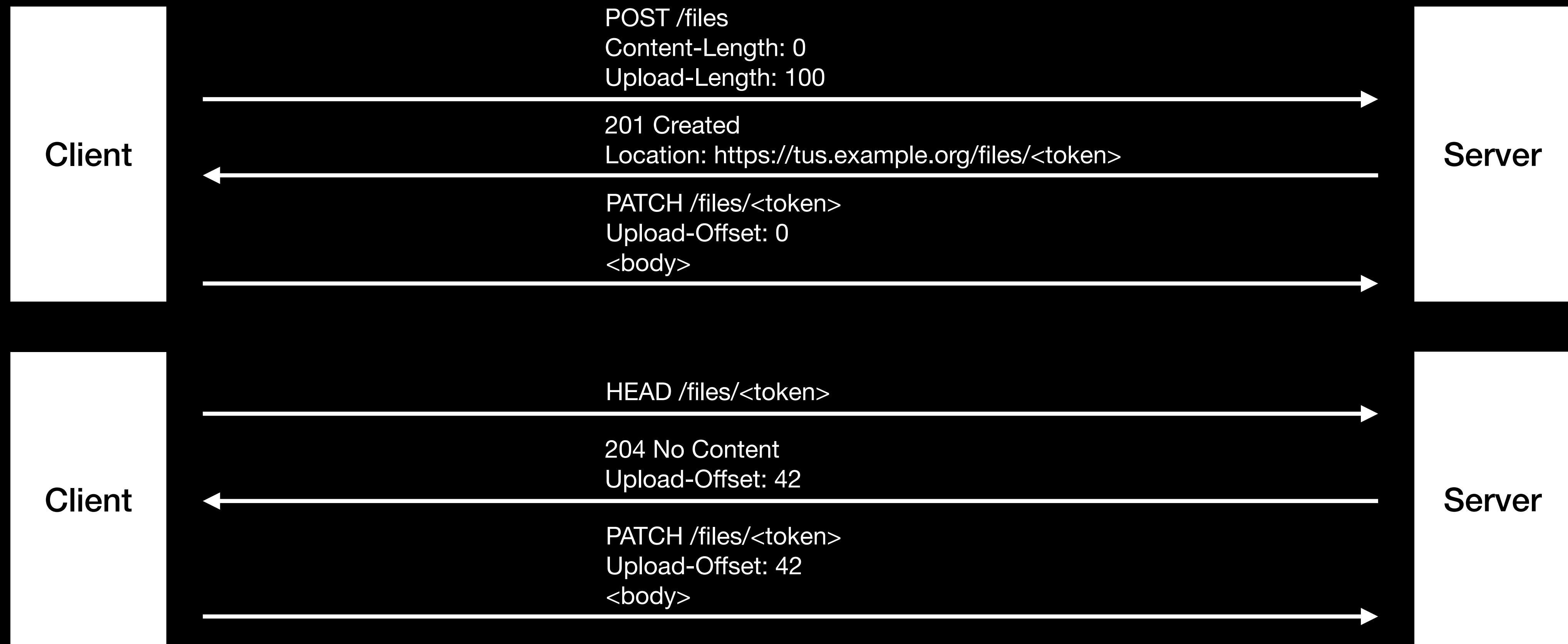
- Handled internally by most HTTP client and server libraries
- No browser support
- People rely on resumable uploads today cannot migrate

Everywhere

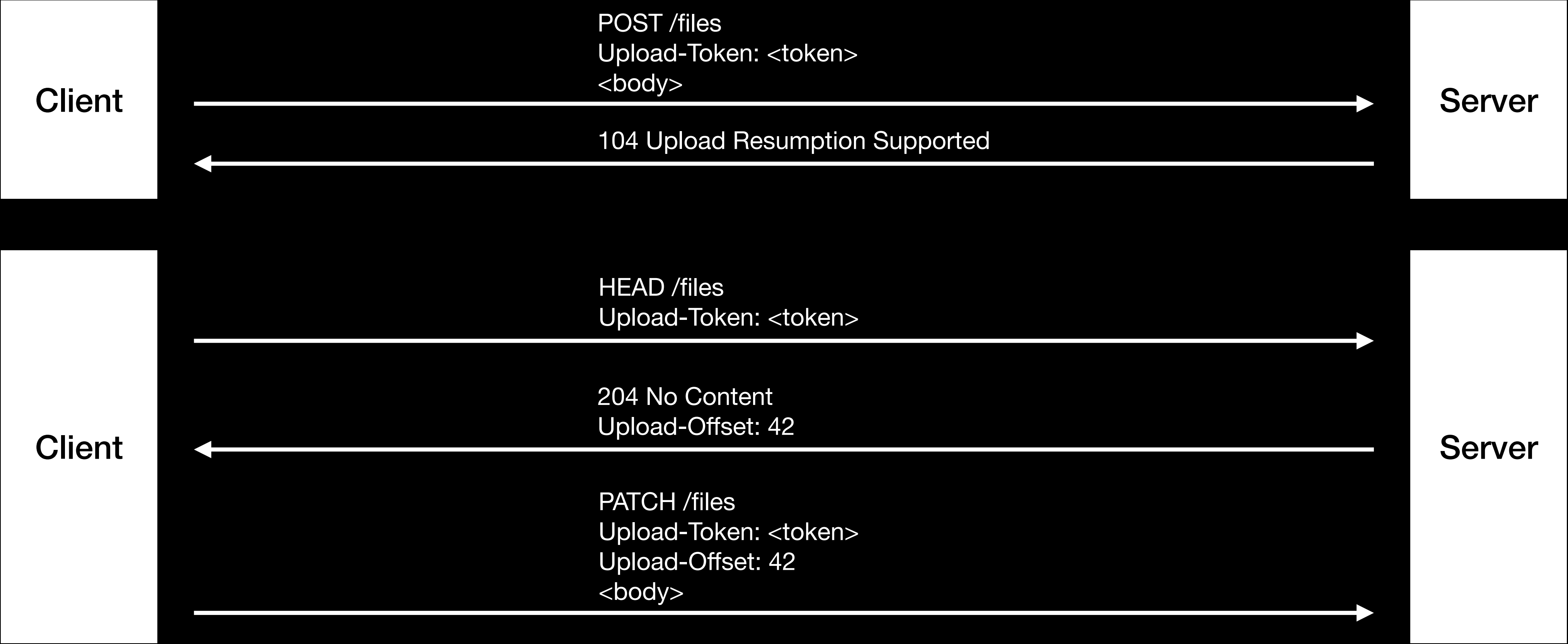
- All regular upload automatically becomes resumable
- Existing resumable upload implementations should be able to adopt as well
 - Widely deployed and depended upon
 - Smooth transition path

Tus 1.0.0

Deployed since 2013



Proposed design



Proposed design

- Minimum round-trips
 - By using client-generated tokens
- Existing users can migrate and adopt
 - Core protocol not reliant on 1xx response
- Feature detection mechanism
- Chunked upload support through Upload-Incomplete: ?1

Discussion