

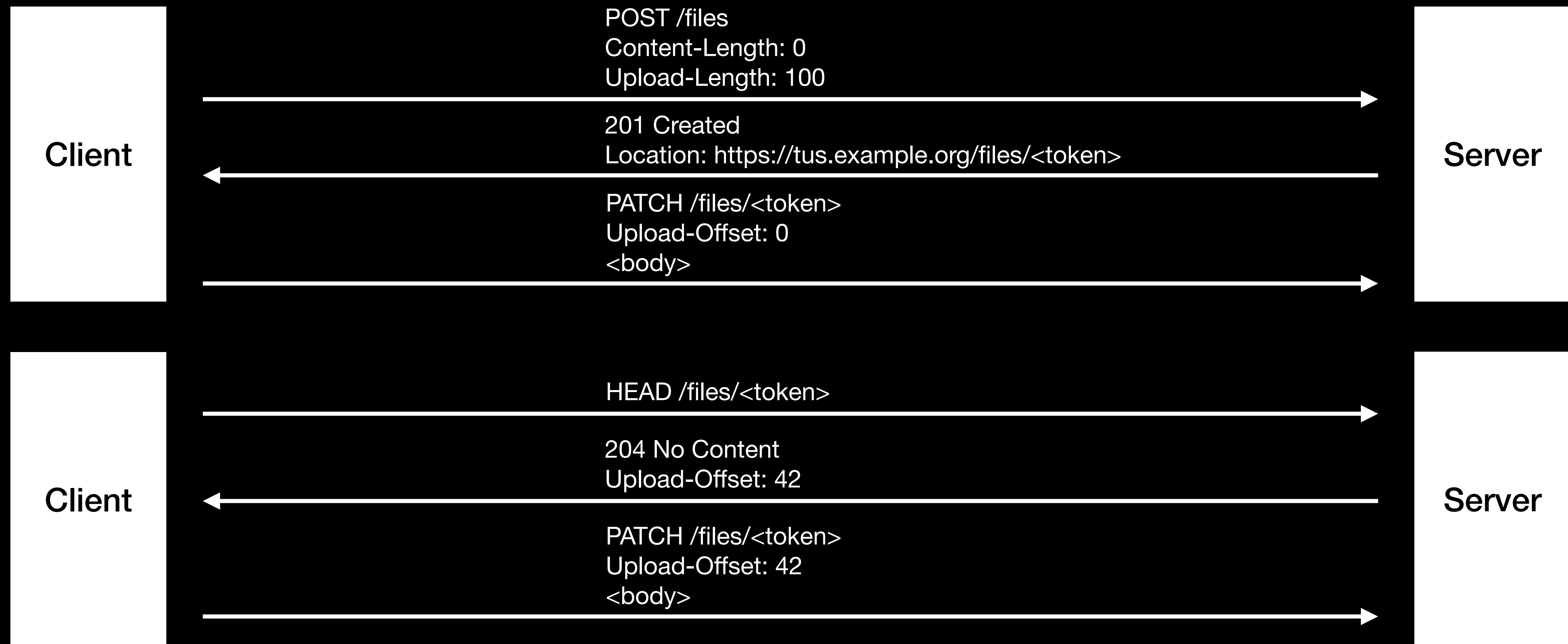
Towards Resumable Uploads Everywhere

Today

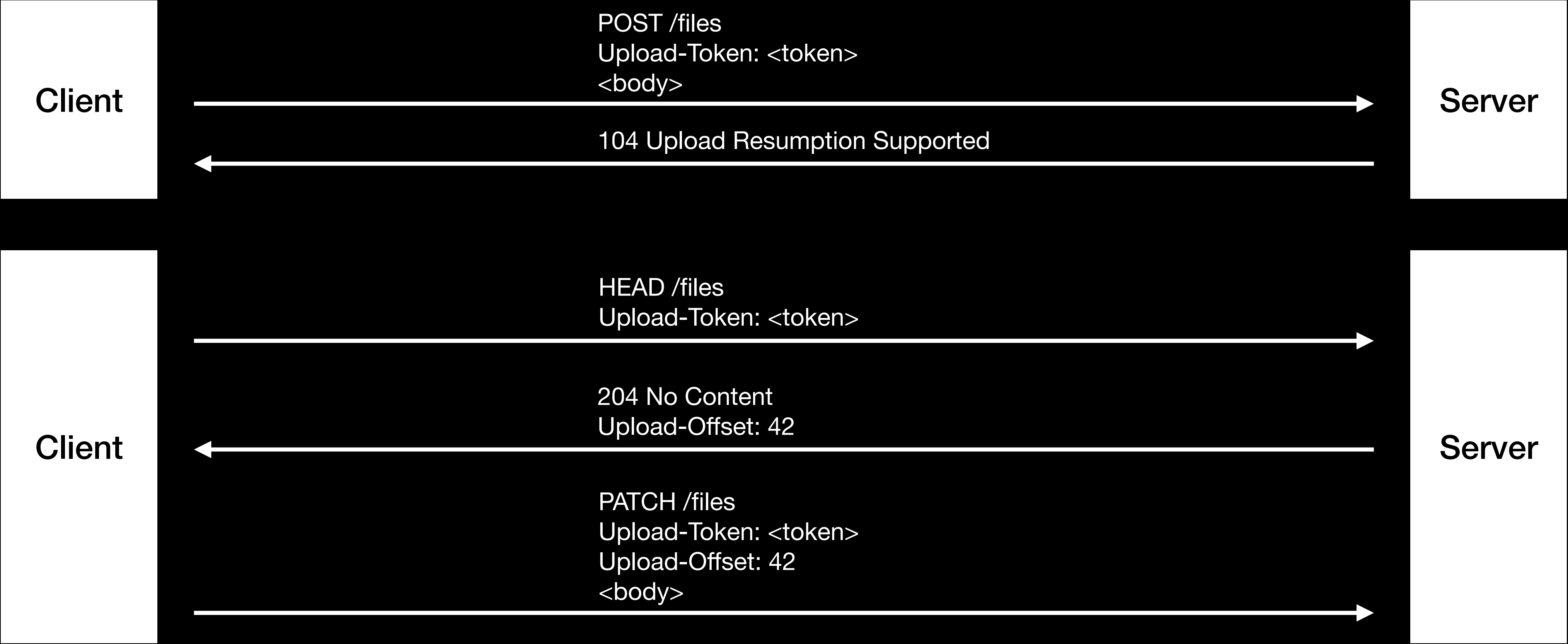
- HTTP RFC defines resumable download, but not resumable upload
- Multiple incompatible resumable upload protocols
 - Application-specific, built on top of HTTP

Tus 1.0.0

Deployed since 2013



Proposed design



Proposed design

- Minimum round-trips
 - By using client-generated tokens
- Feature detection mechanism
- Implementable both at application-level and at library-level
- Chunked upload support through Upload-Incomplete: ?1

Discussion

- Feature detection mechanism
 - 1xx status code
 - SETTINGS frame
 - DNS record
 - OPTIONS request (extra round-trip)
 - /.well-known URI (extra round-trip)

Discussion

- Upload metadata
 - Filename
 - Should we mention Content-Disposition?
- Content-Type
 - Upload Creation Procedure
 - Upload Appending Procedure