

Advanced Angular HTTP

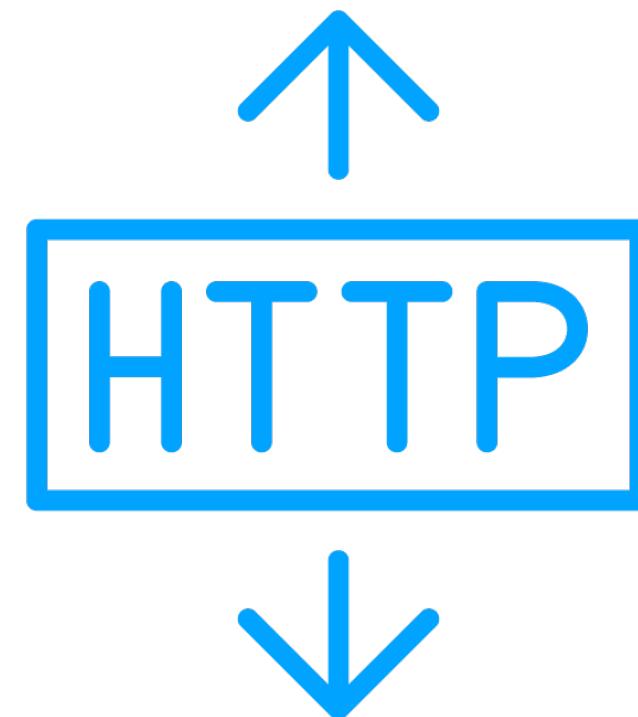


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Module Introduction

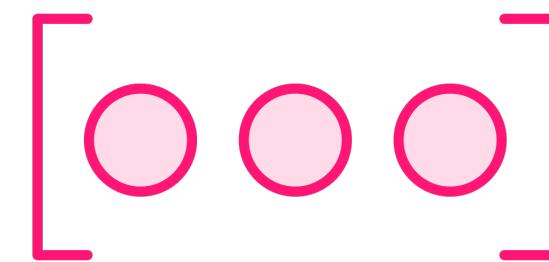


Response types
JSONP requests
Efficient requests with debouncing
 Cancelling requests
Concurrent request strategies



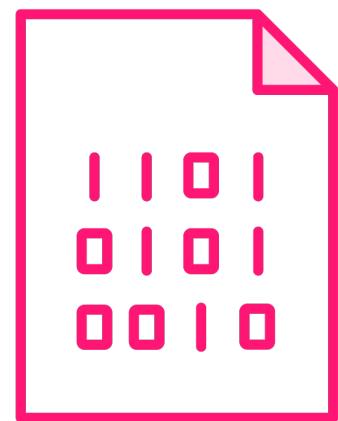
Alternative Response Types

Each of these types tell Angular what you'd like your response parsed as



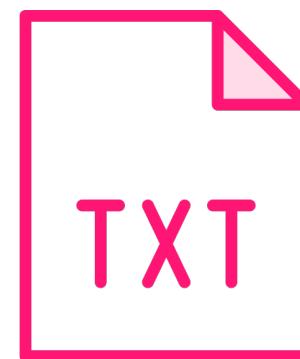
ArrayBuffer

Your response will be
parsed as a buffer
containing raw bytes



Blob

Angular will parse the
response as a file-like
object



Text

A response that
consists of a single
string



Demo



Changing response types:

- “arraybuffer”
- “blob”
- “text”



Demo: Making JSONP Requests



JSONP – “JSON with Padding”

“... a method to deceive a web browser into carrying out requests with a `<script>` tag that uses the SRC attribute to make a special API request.”



Downsides to JSONP Requests



Can introduce security risks – ensure you trust the server!



It only supports GET requests for JSON data



You lose error codes/messages



**JSONP APIs exist... but do
your best not to use them!**



Demo



Making JSONP requests:

- HttpClientJsonpModule setup
- Use the special “jsonp” method
- Specifying the callback parameter



Demo



Debouncing requests:

- Practical form input example
- No extraneous requests



Demo



Cancelling requests:

- Cancelling requests with Subjects
- Easy request cancellation with switchMap



Demo



Concurrent requests:

- Multiple requests in parallel
- Chaining requests synchronously

