Graph QL

SOAP

XML

Creating a networking language
a similar to protocol

client → get/movies → server → DB

client ← response (data) ← server

client ⇄ server
XML or JSON

Encryption / decryption

sender → encrypt → receiver
decrypt

SOAP
XML
WS-security
(encryption)
complex, rigid.
traditional
(synchro)

HTTP
↳ stateless

REST
JSON
No security
↳ flexible, easy to scale
http → get, post, update, delete.
↳ stateless

R[8]

/movie
/movie/[1]
↳ resources
/product/laptop
↳ resource.

Authentication & Authorization

Web sockets
↳ realtime communication
whatsapp

frontend → Alexa → Alexa server

HTTP Status code
100 - 499 - client
500 - 599 - server
300 - 399 - redirection
200 - 299 - success
100 - 199 - information

Tinyurl.com → server → redirect → Alexa server → frontend

tinyurl.com/xyz

query: {
user(id: 123): {
name
age
history
}
}