

Building REST APIs

GETTING STARTED



Overview



- What REST really is
- REST and HTTP
- Implement REST verbs

What Is REST Anyway?

Roy Fielding's Dissertation

What Is REST Anyway?

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Representational State Transfer

What Is REST Anyway?

Roy Fielding's Dissertation

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What Is REST Anyway?

Roy Fielding's Dissertation

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REST is an architectural style for designing networked applications, intended to evoke an image of how a well-designed web application behaves

REST and
HTTP

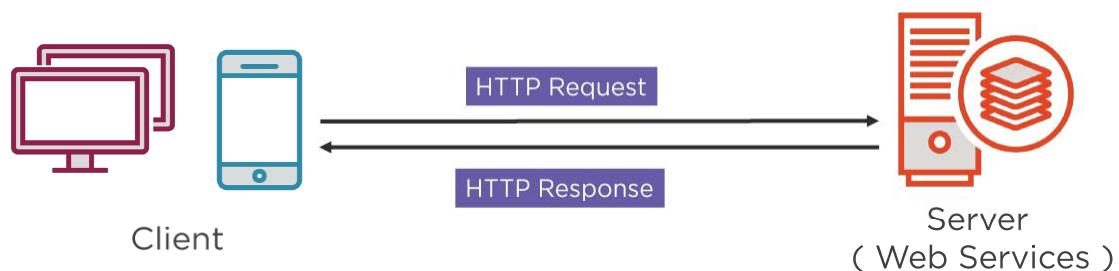


HTTP

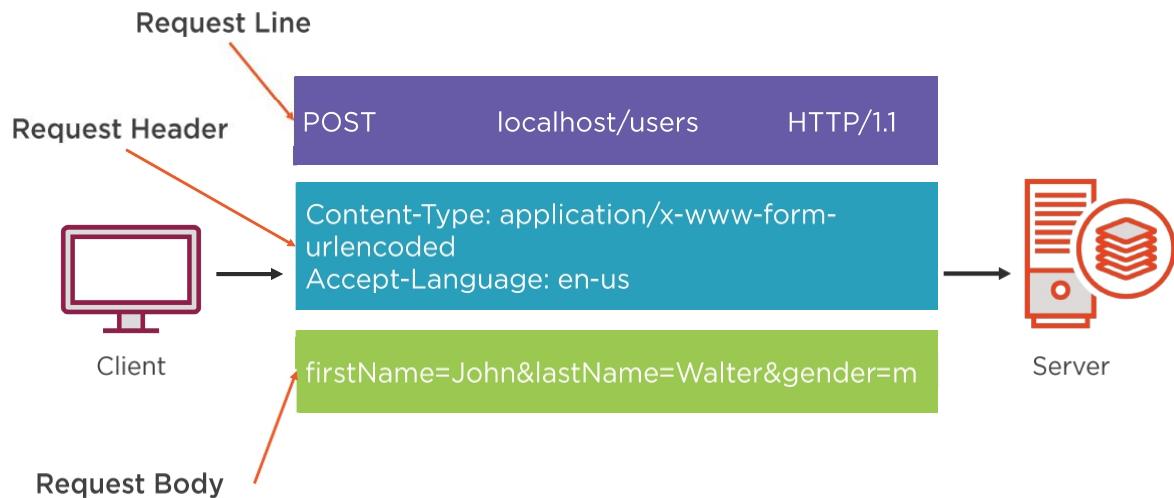
- Hyper Text Transfer Protocol

HTTP is an application protocol for distributed, collaborative, hypermedia information systems

HTTP Request and Response



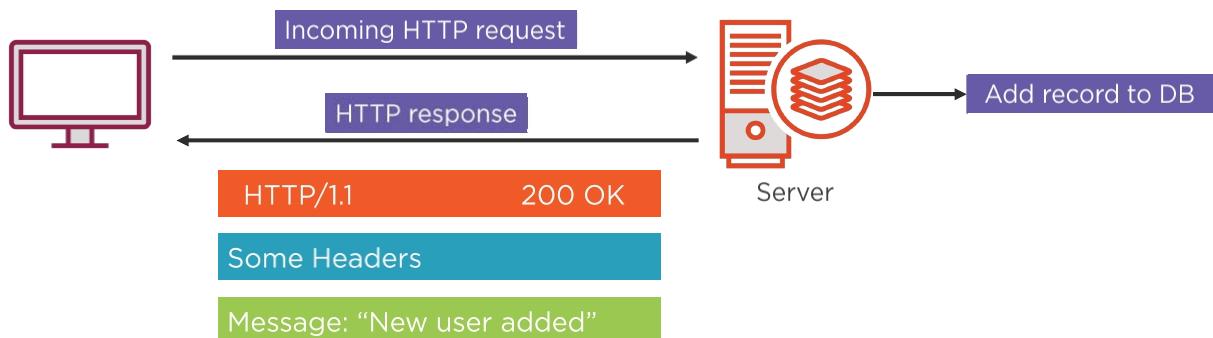
HTTP Request Example



HTTP Methods



HTTP Response



REST and HTTP



HTTP

- Hyper Text Transfer Protocol

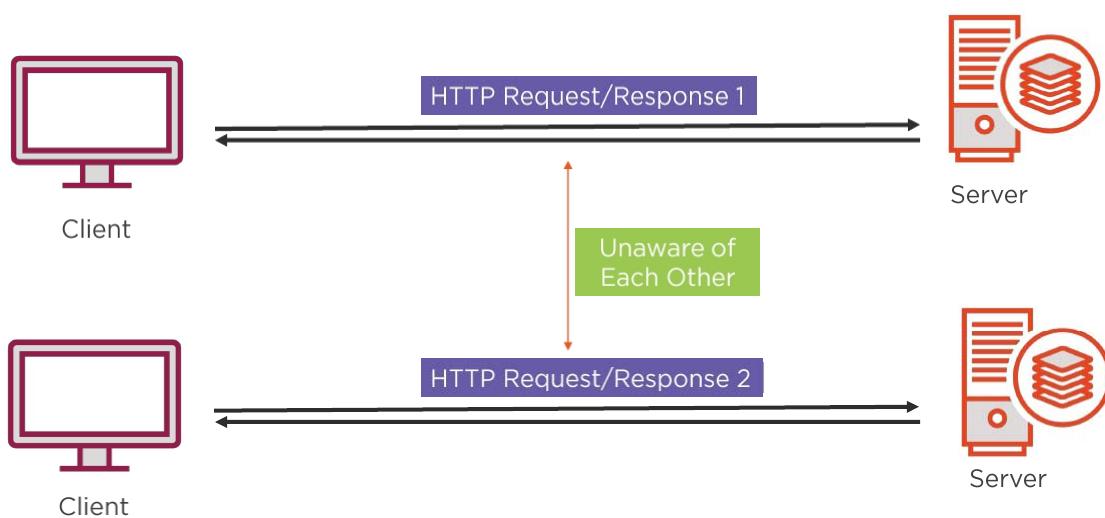
REST

- Representational State Transfer
- RESTful APIs

RESTful APIs

Stateless Client-Server Relationship

Stateless



HTTP Methods and Structured URLs

HTTP Method	Consistent URL	Web Service Operation
GET	localhost/user	Fetch User
POST	localhost/user	Add User
DELETE	localhost/user	Delete User

GET localhost/user/3 fetch user whose id is 3

Consistent Data Type

JSON

XML

Summary



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