

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

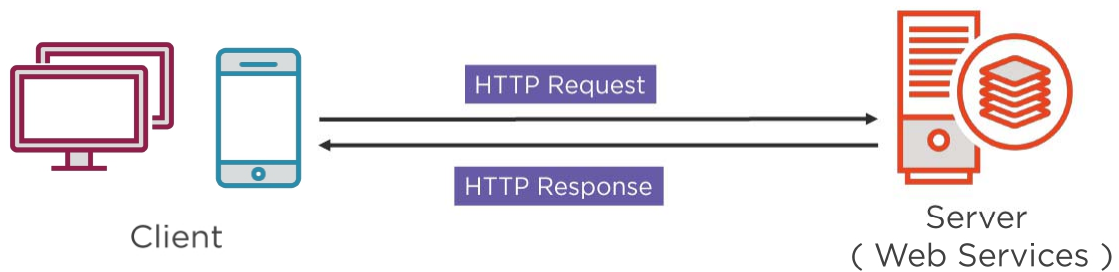


HTTP

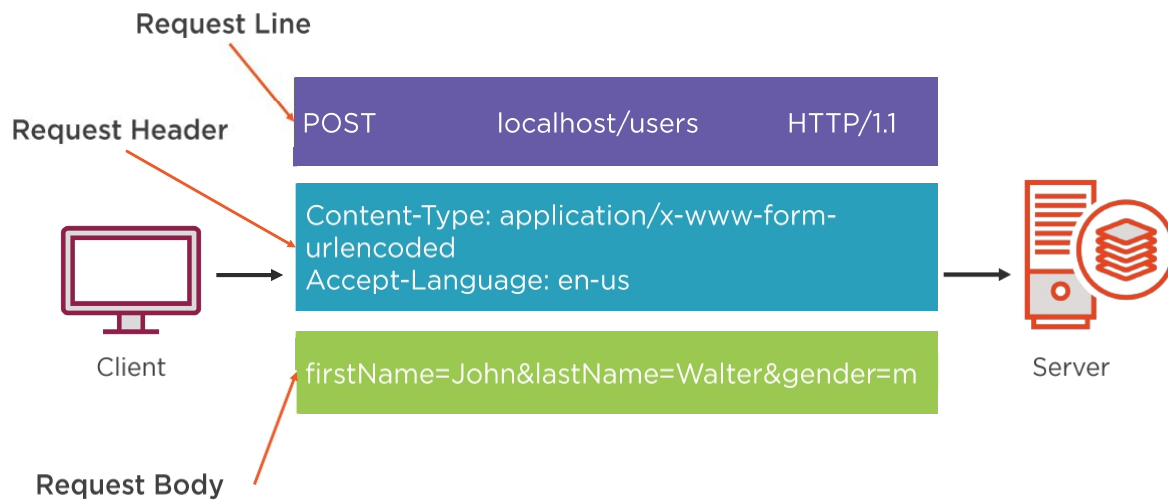
- Hyper Text Transfer Protocol

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

HTTP Request and Response



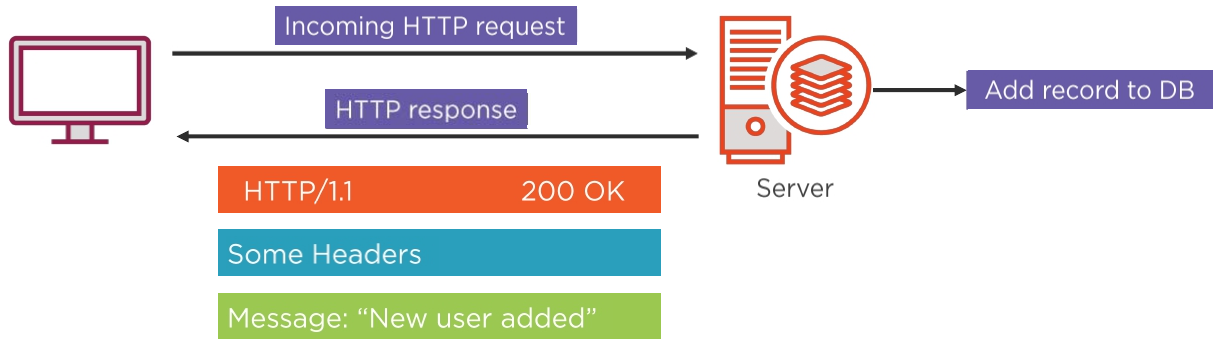
HTTP Request Example



HTTP Methods



HTTP Response



REST and HTTP



HTTP

- Hyper Text Transfer Protocol

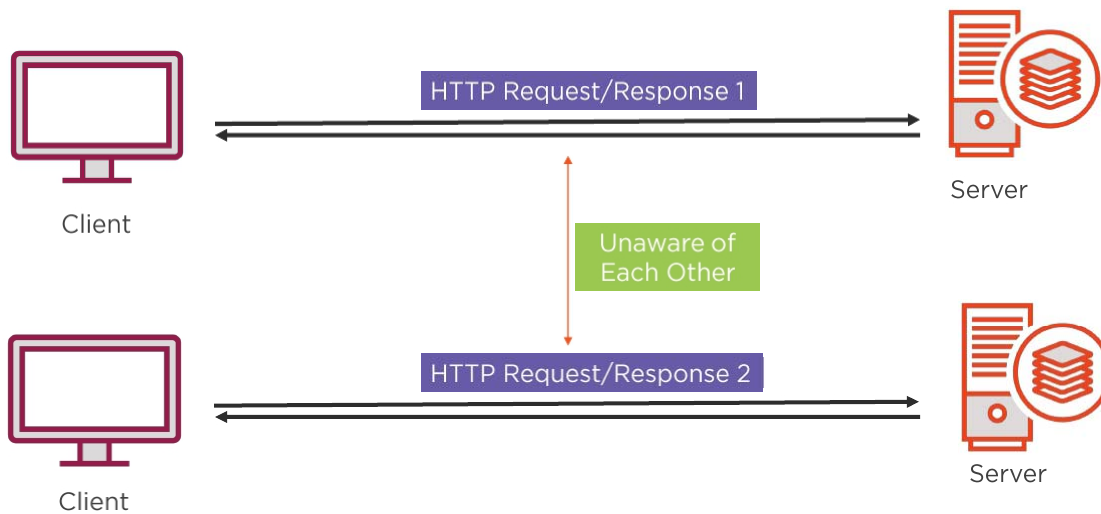
REST

- 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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