

RESTful Web Services with Node.js and Express



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What **You** Will Learn



Build a RESTful API With Node and Express

- What **REST** really is
- Set up **Node** and **Express** environment
- Implementing Rest **Verbs** on an API
- Wire up to **MongoDB**
- Unit Testing with **Mocha** and Sinon.js
- **Hypermedia** for easy API navigation

What Is REST Anyway?

Roy Fielding's Disertation

What Is **REST** Anyway?

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What Is **REST** Anyway?

Roy Fielding's Disertation

Representational **S**tate **T**ransfer

What Is **REST** Anyway?

Roy Fielding's Disertation

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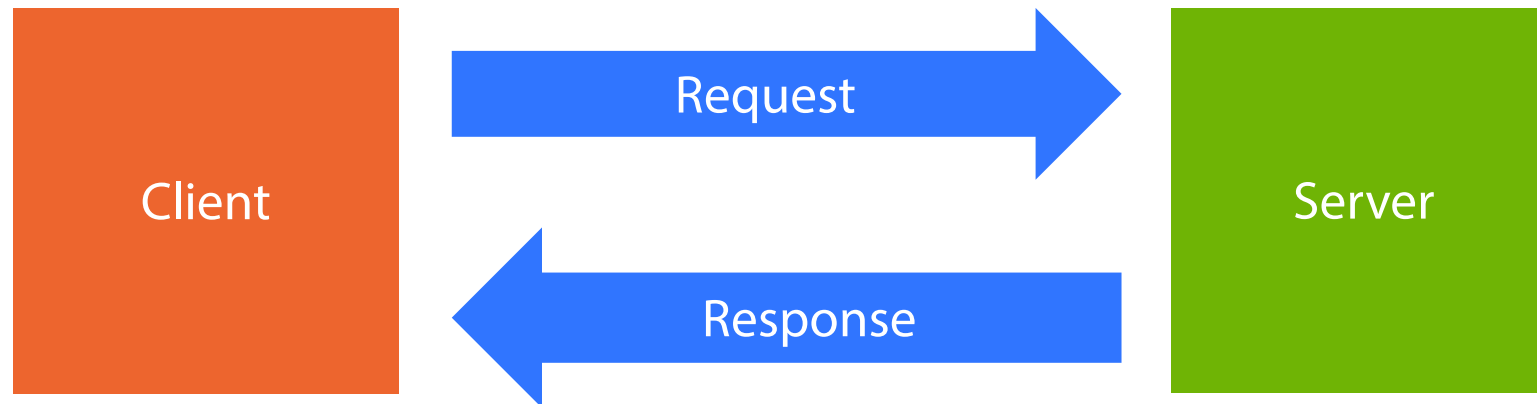
What Is **REST** Anyway?

Roy Fielding's Dissertation

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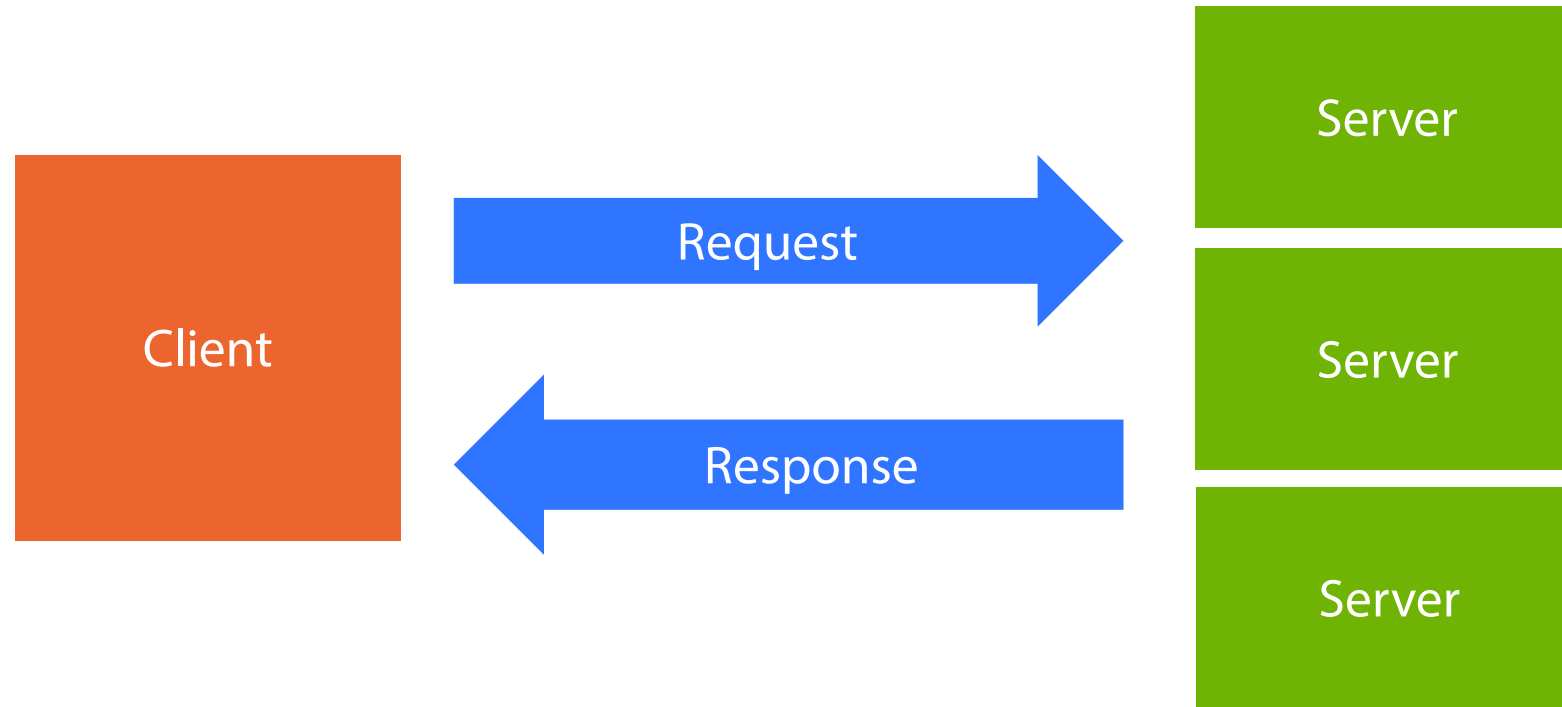
What Is **REST** Anyway?

The Constraints – Client Server



What Is **REST** Anyway?

The Constraints – Stateless Server



What Is **REST** Anyway?

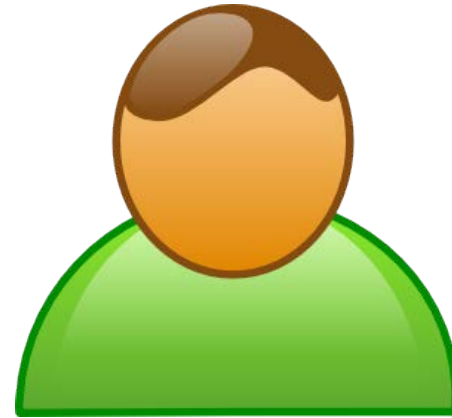
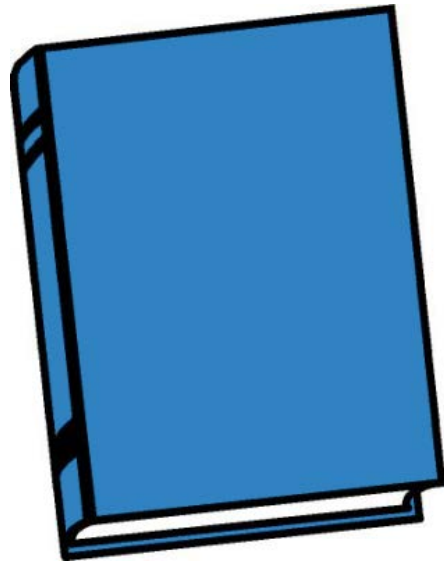
The Constraints – Caching



The Uniform Interface

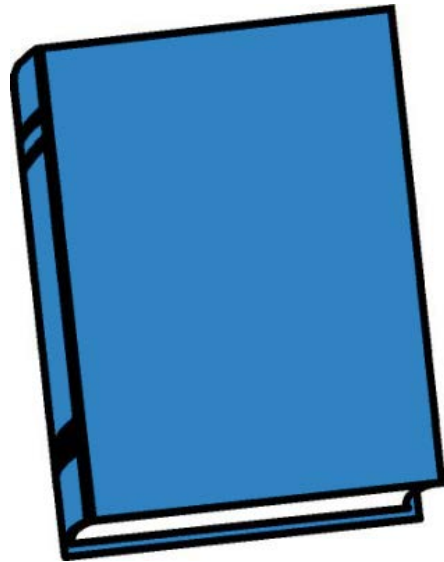
The **Uniform** Interface

Resources (n)



The Uniform Interface

Resources (n)



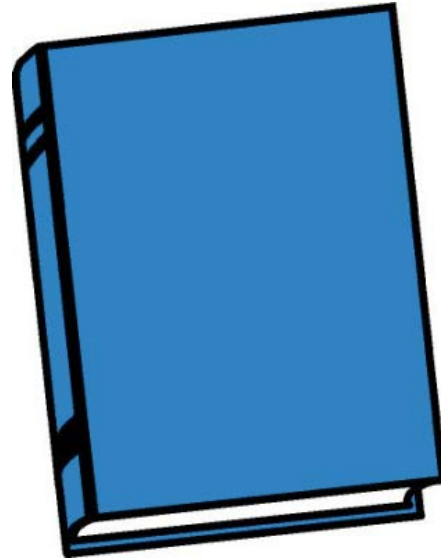
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The **Uniform** Interface

Resources (n)

Get

Put



Post

Delete

The **Uniform** Interface

Hypermedia as the Engine of Application State

(HATEOS)

What **You** Learned



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