

An Introduction to `{json:api}`



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Problem

RESTful APIs using JSON

We don't have a shared understanding about the structure.

Problem

Bikeshedding

"Futile investment of time and energy in discussion of marginal technical issues."

— Wiktionary



{ json:api }

A Specification for Building APIs in JSON

How **a client** should request for resources
to be fetched or modified.

How **a server** should respond to those
requests.

`{ json:api }`

"By following **shared conventions**, you can increase productivity, take advantage of generalized tooling, and focus on what matters: your application."

— jsonapi.org

A Simple Resource Object

```
User(id: integer, name: string)
```

```
GET /users/1
```

```
{  
  "data": {  
    "type": "users",  
    "id": "1",  
    "attributes": { "name": "Steve Klabnik" }  
  }  
}
```

1:n Relationship

```
User(id: integer, name: string)
```

```
Article(  
  id: integer,  
  title: string,  
  content: text,  
  user_id: integer  
)
```


GET /users/1

```
{
  "data": {
    "id": "1",
    "type": "users",
    "attributes": { "name": "Steve Klabnik" },
    "relationships": {
      "articles": {
        "data": [
          { "id": "2", "type": "articles" },
          { "id": "5", "type": "articles" }
        ]
      }
    }
  }
}
```

Compound Documents

GET /users/1?included

Authentication

Authorization

Testing

Documentation

History

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2013-05-03 Yehuda Katz released initial draft

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2013-07-21 media type registration with IANA completed

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Today v1.1 still in draft

Sources

JSON:API vs GraphQL