



Rest API

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Ablauf

- Allgemeines
 - JSON
 - Beispiel API
 - POSTMAN
- 



Allgemeines

- Request/Response
- URL
 - Domäne
 - Route
 - Query
- Headers
 - Content-Type
 - application/json
- Body



JSON



JSON

- Ist ein Datenformat

- "Namen" : Wert

- Mögliche Werte

- Objekte { }

- Arrays []

- Zeichenketten " "

- Zahlen 42

- Booleans true/false

- Nullwerte null



JSON

```
{  
  "name": "Liste aller Partys.",  
  "values": [  
    {  
      "id": 0,  
      "name": "Lan Party 2018",  
      "description": "Eine besonders gute Beschreibung einer lan party!",  
      "invited": []  
    }  
  ]  
}
```



Beispiel API



GET ohne Ressource

GET /parties HTTP/1.1

Host: api.dleunig.de

Content-Type: application/json





GET ohne Ressource Response

```
{  
  "name": "Liste aller Partys.",  
  "values": [  
    {  
      "id": 0,  
      "name": "Lan Party 2018",  
      "description": "Eine besonders gute Beschreibung einer lan party!",  
      "invited": []  
    }  
  ]  
}
```



GET mit Ressource Request

GET /parties/1 HTTP/1.1

Host: api.dleunig.de

Content-Type: application/json





GET mit Ressource Response

```
{  
  "id": 0,  
  "name": "Lan Party 2018",  
  "description": "Eine besonders gute Beschreibung einer lan party!",  
  "invited": []  
}
```



POST Request

POST /parties HTTP/1.1

Host: api.dleunig.de

Content-Type: application/json

```
{  
  "name" : "Lan Party 2018",  
  "description" : "Eine besonders gute Beschreibung einer lan party!"  
}
```



POST Response

```
{  
  "id": 1,  
  "name": "Lan Party 2018",  
  "description": "Eine besonders gute Beschreibung einer lan party!",  
  "invited": []  
}
```



PUT Request

PUT /parties/1 HTTP/1.1

Host: api.dleunig.de

Content-Type: application/json

```
{  
  "name" : "Lan Party 2118",  
  "description" : "So Lange hin!"  
}
```



PUT Response

```
{  
  "id": 1,  
  "name": "Lan Party 2118",  
  "description": "So Lange hin!",  
  "invited": []  
}
```



DELETE Request

DELETE /parties/0 HTTP/1.1

Host: api.dleunig.de

Content-Type: application/json



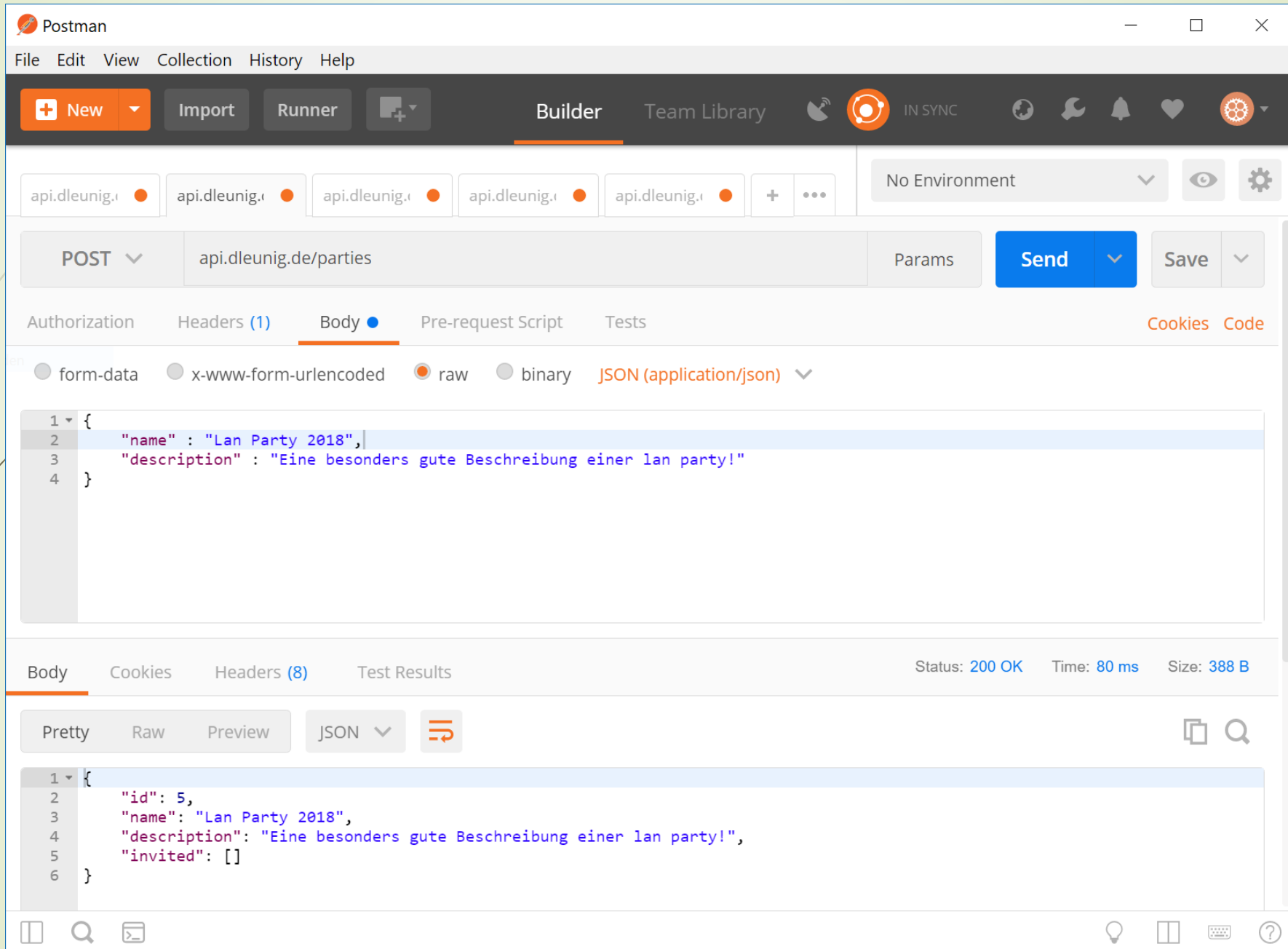


DELETE Response

```
{  
  "status": "erfolg",  
  "text": "element gelöscht"  
}
```

A decorative graphic on the left side of the slide. It features a solid red arrow pointing to the right, positioned horizontally. Behind the arrow and extending upwards and to the right are several thin, dark, curved lines that sweep across the page, creating a sense of movement or flow.

Postman





Quellen

<http://www.json.org/>

https://www.w3schools.com/js/js_json_intro.asp

<https://www.getpostman.com/>

