

# HTTP Methods

# Definition

“HTTP defines a set of request methods to indicate the desired action to be performed for a given resource.”

# Method List

- Post (Create)
- Get (Read)
- Put (Update)
- Patch (Update)
- Delete (Delete)

# Post

- Method used to create new data
- Response
  - 201 Created (Success)
- Carries data from the front end through the request body to be saved inside the database

# Get

- Method used only to request and read data whilst not changing anything.
- Response
  - 200 OK

# Patch / Put (Update)

## Patch

- Only changes stored data depending on the parameters given by the request body

## Put

- Changes all stored data with the data given by the request body

- Responses

- 200 OK (Success)
- 204 No Content (Success without carrying response body)

```
let storedData = {
  greeting: 'halo',
  name: 'Joko',
};

const requestBody = {
  greeting: 'Hello',
}

axios.put('/api-address', requestBody)
  .then(res => {
    // storedData = { greeting: 'Hello' }
  })

axios.patch('/api-address', requestBody)
  .then(res => {
    // storedData = { greeting: 'Hello', name: 'Joko' }
  })
```

# Delete

- Deletes data according to the given request parameters
  - Usually through request params or request queries
- Response
  - 200 OK
  - 204 No Content (Success without carrying response body)



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