
AJAX

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Principe

Client



JavaScript

CSS

HTML

Principe

Client



Serveur

Principe

Client



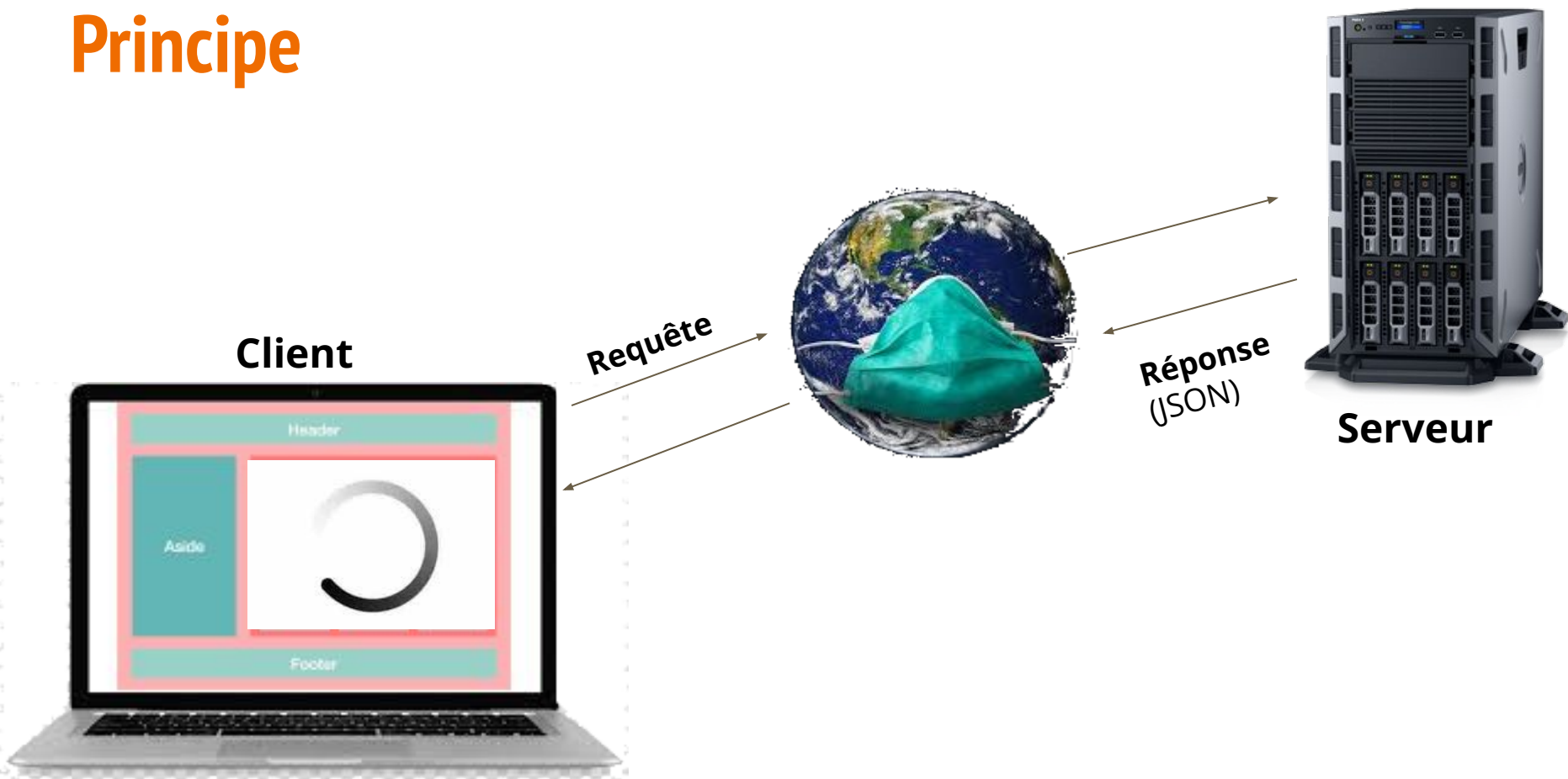
Requête

GET
POST
UPDATE
PATCH
DELETE
....

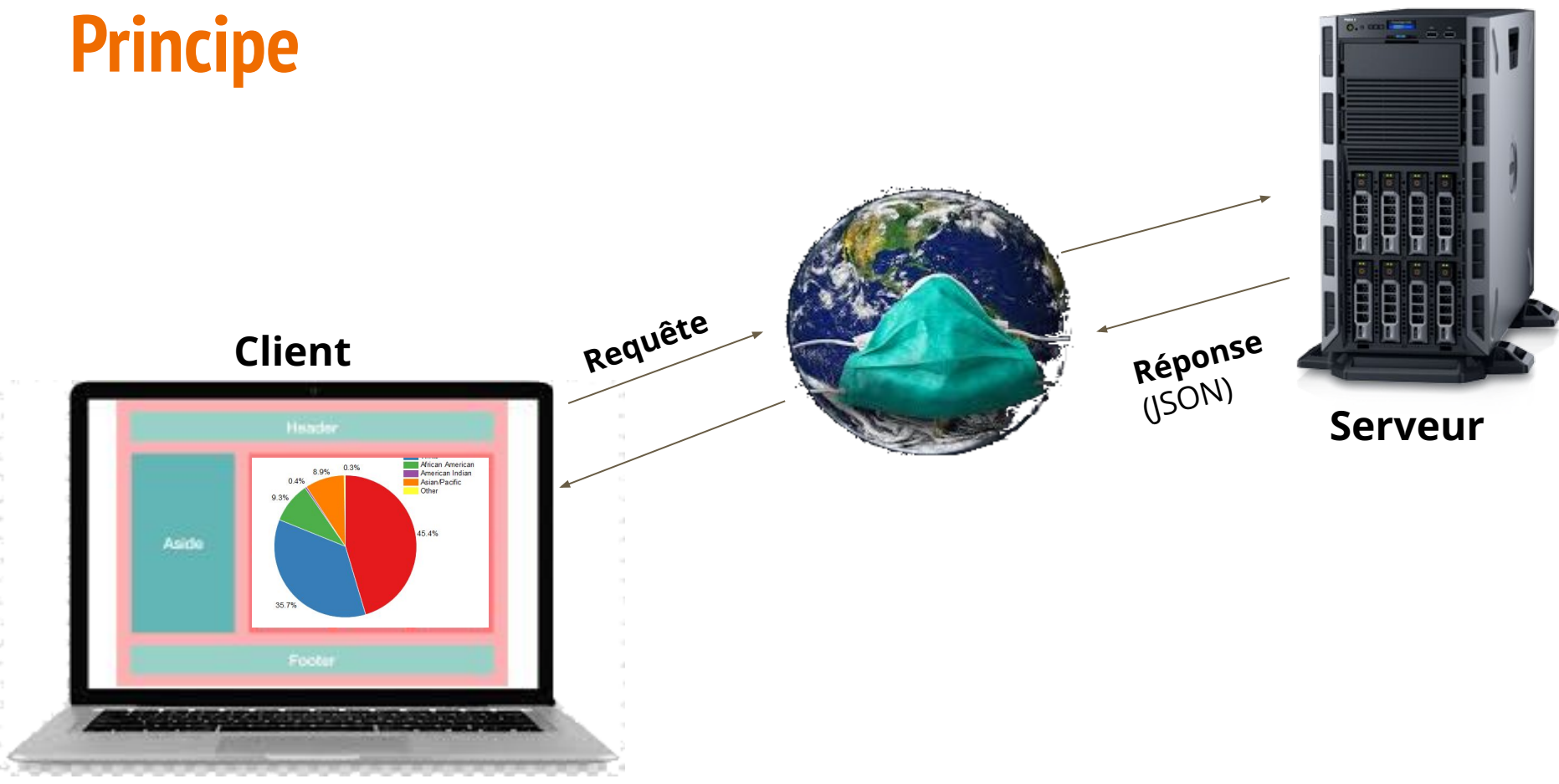


Serveur

Principe



Principe



XMLHttpRequest

Méthodes

- **new XMLHttpRequest()** : Créer un objet XMLHttpRequest
- **open(method,url,async,user,psw)** : Définir les paramètres de la requête
- **send()** : Envoyer la requête
- **abort()** : Annuler la requête

Propriétés

- **readyState** : Etat actuel de la requête (0, 1, 2, 3, 4)
- **Onreadystatechange** : La fonction à invoquer au changement de **readyState**
- **Status** : L'état du retour du serveur (200, 403, 404 ...)
- **Response**: Les données renvoyées par le serveur

XMLHttpRequest (GET)

```
let req=new XMLHttpRequest();
req.open("GET","https://api.covid19api.com/summary");
req.onreadystatechange=()=>{
  console.log(req.readyState);
  if(req.readyState==4 && req.status==200){
    let resp=JSON.parse(req.responseText)
  }
  console.log(resp);
}
req.send()
```


XMLHttpRequest (POST)

```
let httpReq = new XMLHttpRequest();
let url = "localhost/api/user";
let params = JSON.stringify({ name: "Gounane", age:21});
httpReq.open("POST", url, true);
httpReq.setRequestHeader("Content-type", "application/json; charset=utf-8");
httpReq.setRequestHeader("Content-length", params.length);
httpReq.setRequestHeader("Connection", "close");
httpReq.onreadystatechange = function() {
    if(http.readyState == 4 && httpReq.status == 200) {
        alert(httpReq.responseText);
    }
}
httpReq.send(params);
```