



**Instituto Politécnico Nacional**

ESCUELA SUPERIOR DE CÓMPUTO

# CLASE 21 - CLOUD TRANSLATION API

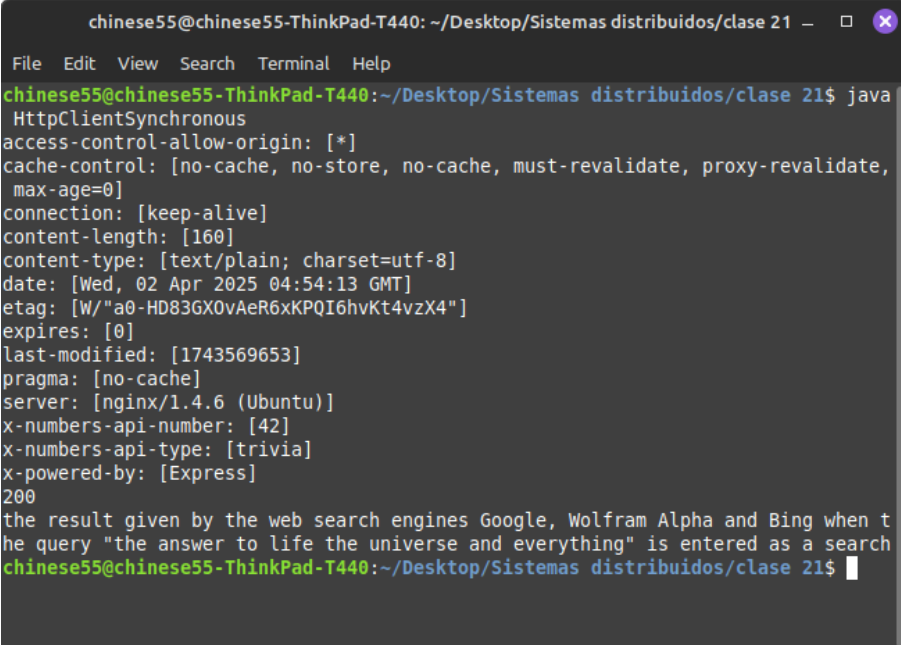
*Sistemas distribuidos*

*Profesor: Ukranio Coronilla Contreras*

Luciano Hernández Jonathan

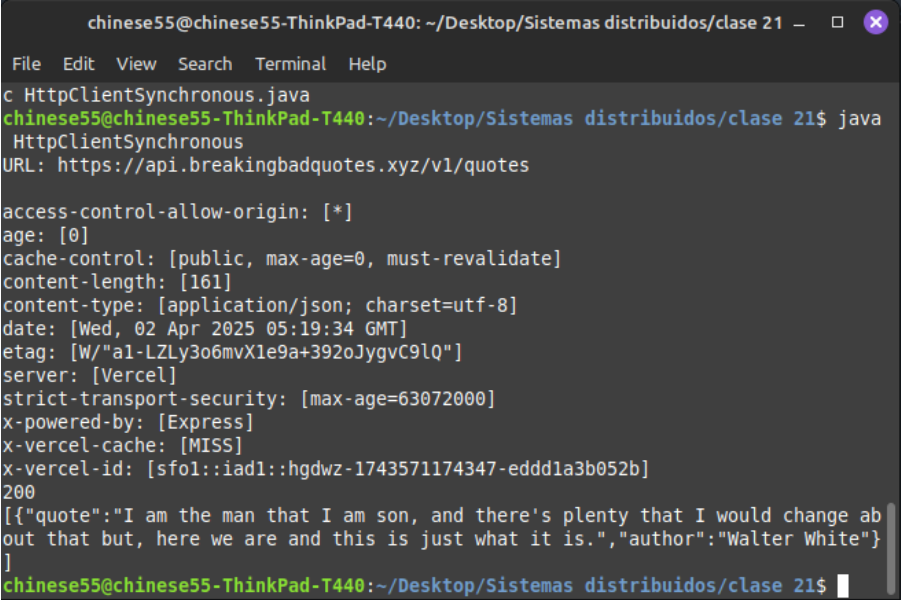
Abril 1, 2025

## 1 Item 1



```
chinese55@chinese55-ThinkPad-T440: ~/Desktop/Sistemas distribuidos/clase 21
File Edit View Search Terminal Help
chinese55@chinese55-ThinkPad-T440:~/Desktop/Sistemas distribuidos/clase 21$ java
HttpClientSynchronous
access-control-allow-origin: [*]
cache-control: [no-cache, no-store, no-cache, must-revalidate, proxy-revalidate,
max-age=0]
connection: [keep-alive]
content-length: [160]
content-type: [text/plain; charset=utf-8]
date: [Wed, 02 Apr 2025 04:54:13 GMT]
etag: [W/"a0-HD83GX0vAeR6xKPQI6hvKt4vzX4"]
expires: [0]
last-modified: [1743569653]
pragma: [no-cache]
server: [nginx/1.4.6 (Ubuntu)]
x-numbers-api-number: [42]
x-numbers-api-type: [trivia]
x-powered-by: [Express]
200
the result given by the web search engines Google, Wolfram Alpha and Bing when t
he query "the answer to life the universe and everything" is entered as a search
chinese55@chinese55-ThinkPad-T440:~/Desktop/Sistemas distribuidos/clase 21$
```

Figure 1: Caption



```
chinese55@chinese55-ThinkPad-T440: ~/Desktop/Sistemas distribuidos/clase 21
File Edit View Search Terminal Help
c HttpClientSynchronous.java
chinese55@chinese55-ThinkPad-T440:~/Desktop/Sistemas distribuidos/clase 21$ java
HttpClientSynchronous
URL: https://api.breakingbadquotes.xyz/v1/quotes
access-control-allow-origin: [*]
age: [0]
cache-control: [public, max-age=0, must-revalidate]
content-length: [161]
content-type: [application/json; charset=utf-8]
date: [Wed, 02 Apr 2025 05:19:34 GMT]
etag: [W/"a1-LZLy3o6mvX1e9a+392oJygvC9lQ"]
server: [Vercel]
strict-transport-security: [max-age=63072000]
x-powered-by: [Express]
x-vercel-cache: [MISS]
x-vercel-id: [sfo1:iad1:hgdwz-1743571174347-eddd1a3b052b]
200
[{"quote":"I am the man that I am son, and there's plenty that I would change ab
out that but, here we are and this is just what it is.", "author":"Walter White"}
]
chinese55@chinese55-ThinkPad-T440:~/Desktop/Sistemas distribuidos/clase 21$
```

Figure 2: Caption

## 2 Item 2

```
chinese55@chinese55-ThinkPad-T440: ~/Desktop/Sistemas distribuidos/clase 21/Item 2
File Edit View Search Terminal Help
chinese55@chinese55-ThinkPad-T440:~/Desktop/Sistemas distribuidos/clase 21/Item 2$ javac HttpClientSyn
chinese55@chinese55-ThinkPad-T440:~/Desktop/Sistemas distribuidos/clase 21/Item 2$ java HttpClientSyn
Enviando solicitud POST para crear nuevo recurso...
URL: https://jsonplaceholder.typicode.com/posts
Cuerpo de la solicitud:
{
  "userId": 1,
  "title": "7CM3-EQUIPO 9",
  "body": "Luciano Hernandez Jonathan"
}

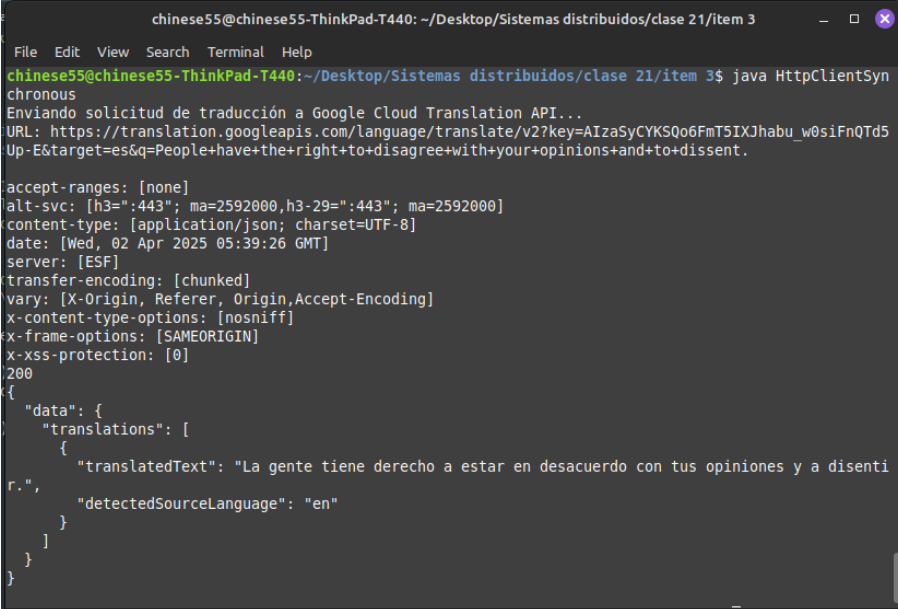
access-control-allow-credentials: [true]
access-control-expose-headers: [Location]
alt-svc: [h3=":443"; ma=86400]
cache-control: [no-cache]
cf-cache-status: [DYNAMIC]
cf-ray: [929de89c3d05f074-DFW]
connection: [keep-alive]
content-length: [98]
content-type: [application/json; charset=utf-8]
date: [Wed, 02 Apr 2025 05:25:57 GMT]
etag: [W/"62-VXZKyJNAvujsiDyJZx0mta882zw"]
expires: [-1]
location: [https://jsonplaceholder.typicode.com/posts/101]
nel: [{"report to":"heroku-nel","max_age":3600,"success_fraction":0.005,"failure_fraction":0.05,"resp
onse_headers":["Via"]}]]
pragma: [no-cache]
report-to: [{"group":"heroku-nel","max_age":3600,"endpoints":[{"url":"https://nel.heroku.com/reports?
ts=1743571557&sid=e11707d5-02a7-43ef-b45e-2cf4d2036f7d&s=yFXenz1FvPl8hR%2B7ifXl8L52Abfw1CXP4uzaWNvV0aM%3D"}]]]
reporting-endpoints: [heroku-nel=https://nel.heroku.com/reports?ts=1743571557&sid=e11707d5-02a7-43ef-
b45e-2cf4d2036f7d&s=yFXenz1FvPl8hR%2B7ifXl8L52Abfw1CXP4uzaWNvV0aM%3D]
server: [cloudflare]
server-timing: [cfL4;desc="?proto=TCP&rtt=39636&min_rtt=39625&rtt_var=11165&sent=7&recv=8&lost=0&retr
ans=0&sent_bytes=3114&recv_bytes=877&delivery_rate=109450&cwnd=252&unsent_bytes=0&cid=b8a85be83e10660
7&ts=364&x=0"]
vary: [Origin, X-HTTP-Method-Override, Accept-Encoding]
via: [1.1 vegur]
x-content-type-options: [nosniff]
x-powered-by: [Express]
x-ratelimit-limit: [1000]
x-ratelimit-remaining: [999]
x-ratelimit-reset: [1743571615]
201
{
  "userId": 1,
  "title": "7CM3-EQUIPO 9",
  "body": "Luciano Hernandez Jonathan",
  "id": 101
}
```

Figure 3: Caption

```
chinese55@chinese55-ThinkPad-T440: ~/Desktop/Sistemas distribuidos/clase 21/Item 2
File Edit View Search Terminal Help
etag: [W/"62-VXZKyJNAvujsiDyJZx0mta882zw"]
expires: [-1]
location: [https://jsonplaceholder.typicode.com/posts/101]
nel: [{"report to":"heroku-nel","max_age":3600,"success_fraction":0.005,"failure_fraction":0.05,"resp
onse_headers":["Via"]}]]
pragma: [no-cache]
report-to: [{"group":"heroku-nel","max_age":3600,"endpoints":[{"url":"https://nel.heroku.com/reports?
ts=1743571557&sid=e11707d5-02a7-43ef-b45e-2cf4d2036f7d&s=yFXenz1FvPl8hR%2B7ifXl8L52Abfw1CXP4uzaWNvV0aM%3D"}]]]
reporting-endpoints: [heroku-nel=https://nel.heroku.com/reports?ts=1743571557&sid=e11707d5-02a7-43ef-
b45e-2cf4d2036f7d&s=yFXenz1FvPl8hR%2B7ifXl8L52Abfw1CXP4uzaWNvV0aM%3D]
server: [cloudflare]
server-timing: [cfL4;desc="?proto=TCP&rtt=39636&min_rtt=39625&rtt_var=11165&sent=7&recv=8&lost=0&retr
ans=0&sent_bytes=3114&recv_bytes=877&delivery_rate=109450&cwnd=252&unsent_bytes=0&cid=b8a85be83e10660
7&ts=364&x=0"]
vary: [Origin, X-HTTP-Method-Override, Accept-Encoding]
via: [1.1 vegur]
x-content-type-options: [nosniff]
x-powered-by: [Express]
x-ratelimit-limit: [1000]
x-ratelimit-remaining: [999]
x-ratelimit-reset: [1743571615]
201
{
  "userId": 1,
  "title": "7CM3-EQUIPO 9",
  "body": "Luciano Hernandez Jonathan",
  "id": 101
}
```

Figure 4: Caption

### 3 Item 3



```
chinese55@chinese55-ThinkPad-T440: ~/Desktop/Sistemas distribuidos/clase 21/item 3
File Edit View Search Terminal Help
chinese55@chinese55-ThinkPad-T440:~/Desktop/Sistemas distribuidos/clase 21/item 3$ java HttpClientSyn
chronous
Enviando solicitud de traducción a Google Cloud Translation API...
URL: https://translation.googleapis.com/language/translate/v2?key=AIzaSyCYKS0o6FmTSIXJhabu_w0siFnQTd5
Up-E&target=es&q=People+have+the+right+to+disagree+with+your+opinions+and+to+dissent.

accept-ranges: [none]
alt-svc: [h3=":443"; ma=2592000,h3-29=":443"; ma=2592000]
content-type: [application/json; charset=UTF-8]
date: [Wed, 02 Apr 2025 05:39:26 GMT]
server: [ESF]
transfer-encoding: [chunked]
vary: [X-Origin, Referer, Origin,Accept-Encoding]
x-content-type-options: [nosniff]
x-frame-options: [SAMEORIGIN]
x-xss-protection: [0]
200
{
  "data": {
    "translations": [
      {
        "translatedText": "La gente tiene derecho a estar en desacuerdo con tus opiniones y a disenti
r.",
        "detectedSourceLanguage": "en"
      }
    ]
  }
}
```

Figure 5: Caption