# SOA: gebruik van een API

cURL exercises:

1. curl <https://httpbin.org>
2. curl https://httpbin.org/anything
3. curl -X POST <https://httpbin.org/anything>
4. curl <https://httpbin.org/anything\?value\=panda>
5. curl <https://www.google.com/robots.txt>
6. curl -H 'User-Agent: elephant' <https://httpbin.org/anything>
7. curl -X DELETE <https://httpbin.org/anything>
8. curl -i <https://httpbin.org/anything>
9. curl -X POST https://httpbin.org/anything -d '{"value": "panda"}'
10. curl -X POST -H 'Content-Type: application/json' https://httpbin.org/anything -d '{"value": "panda"}'
11. curl -H 'Accept-Encoding: gzip' <https://httpbin.org/anything>
12. curl -X POST https://httpbin.org/anything -d @data.json
13. curl -H 'Accept: image/png' [https://httpbin.org/image -o image.png](https://httpbin.org/image%20-o%20image.png)
14. curl -X PUT <https://httpbin.org/anything>
15. curl [https://httpbin.org/image/jpeg -o image.jpeg](https://httpbin.org/image/jpeg%20-o%20image.jpeg)
16. curl -i <https://www.twitter.com>
17. curl -H 'Panda: Elephant' <https://httpbin.org/anything>
18. curl <https://httpbin.org/status/404>

curl -i <https://httpbin.org/status/404>

curl <https://httpbin.org/status/200>

curl -i <https://httpbin.org/status/200>

1. curl -u foo:bar <https://httpbin.org/anything>
2. curl -H 'Accept-Language: es-ES' <https://twitter.com>
3. curl [https://httpbin.org/anything \](https://httpbin.org/anything%20\)

## cURL

1. Toon de publieke projecten:

curl <https://projektwerk.ucll.be/projects.json>

1. Toon al de projecten waar jij toegang tot hebt:

curl <https://projektwerk.ucll.be/projects.json>/?api\_key=${API\_KEY}

1. Werken met issues.
   1. Maak een issue aan in het speeltuin projekt. Je kan het aan jezelf of een groepsgenoot toewijzen.

curl -v -H "Content-Type: application/json" -H "X-Redmine-API-Key: ${my api key}" -X POST --data-binary ‘{“issue”:{“subject”:“API opdracht”,“description”:”curl opdracht”, “assigned-to\_id”:2519}}’ [https://projektwerk.ucll.be/speeltuin/issues.json](https://projektwerk.ucll.be/issues.json)

* 1. Pas het issue, dat je net gemaakt hebt, aan.

curl -v -H "Content-Type: application/json" -H "X-Redmine-API-Key: ${my api key}" -X PUT --data-binary ‘{“issue”:{“subject”: “aangepast” }}’

<https://projektwerk.ucll.be/issues/2519.json>

* 1. Verwijder het issue, dat je net gemaakt hebt:

curl -v -H "Content-Type: application/json" -H "X-Redmine-API-Key: ${my api key}" -X DELETE <https://projektwerk.ucll.be/issues/2519.json>

1. Nu voor echt. Maak een issue aan in je groepsproject. Namelijk je taak van vorige week

curl -v -H "Content-Type:application/json" -H "X-Redmine-API-Key: ${API\_KEY}" -X POST --data-binary '{"issue":{"subject": "Opdracht curl verkenningsopdracht","description":"Verkinningsopdracht","assigned\_to\_id": 2519,"start\_date": "2022-10-18","due\_date":"2022-10-19","estimated\_hours":1.5}}' <https://projektwerk.ucll.be/projects/soa_herfst22_sports/issues.json>

1. Werk de status van deze taak gepast bij indien van toepassing.

curl -v -H "Content-Type:application/json" -H "X-Redmine-API-Key: ${API\_KEY}" -X PUT --data-binary '{"issue":{"Status": "aangepast"}}' <https://projektwerk.ucll.be/issues/2519.json>

## Swagger

1. CORS beschikbaar en bruikbaar door swagger-ui van de api?

curl -l localhost:80

1. Opvragen data

curl -X GET https://petstore.swagger.io/v2/pet/findByStatus?status=available -H "accept:application/json"

1. Aanmaken data (eventueel via api-sleutel)

curl -X POST https://petstore.swagger.io/v2/pet -H "accept:application/json" -H "Content-Type:application/json" --data-binary '{"id":1,"category":{"id":1,"name":"test"},"name":"test","photoUrls":[""],"tags":[{"id":1,"name":"test"}],"status":"available"}'

1. Aanpassen data (eventueel via api-sleutel)

curl -X PUT https://petstore.swagger.io/v2/pet -H "accept:application/json" -H "Content-Type:application/json" --data-binary '{"id":1,"status":"unavailable"}'

1. Verwijderen data (eventueel via api-sleutel)

curl -X DELETE https://petstore.swagger.io/v2/pet/1 -H "accept:application/json"