

Exercicio 1:

1. Faz um pedido ao endpoint /test do domínio example.com

curl <http://example.com/test>

```
(espada@kali)~$ curl http://example.com/test
<!doctype html>
<html>
<head>
  <title>Example Domain</title>

  <meta charset="utf-8" />
  <meta http-equiv="Content-type" content="text/html; charset=utf-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <style type="text/css">
    body {
      background-color: #f0f0f2;
      margin: 0;
      padding: 0;
      font-family: -apple-system, system-ui, BlinkMacSystemFont, "Segoe UI", "Open Sans", "Helvetica Neue", Helvetica, Arial, sans-serif;
    }
    div {
      width: 600px;
      margin: 5em auto;
      padding: 2em;
      background-color: #fdfdff;
      border-radius: 0.5em;
      box-shadow: 2px 3px 7px 2px rgba(0,0,0,0.02);
    }
    a:link, a:visited {
      color: #38488f;
      text-decoration: none;
    }
    @media (max-width: 700px) {
      div {
        margin: 0 auto;
        width: auto;
      }
    }
  </style>
</head>

<body>
<div>
  <h1>Example Domain</h1>
  <p>This domain is for use in illustrative examples in documents. You may use this
  domain in literature without prior coordination or asking for permission.</p>
  <p><a href="https://www.iana.org/domains/example">More information ...</a></p>
</div>
</body>
</html>
```

2. Identifica os cabeçalhos (headers) do pedido

`curl -v http://example.com`

```
[espada@kali]~$ curl -v http://example.com/test
* Host example.com:80 was resolved.
* IPv6: 2600:1406:bc00:53::b81e:94ce, 2600:1408:ec00:36::1736:7f24, 2600:1406:3a00:21::173e:2e65, 2600:1406:bc00:53::b81e:94c8, 2600:1408:ec00:36::1736:7f31, 2600:1406:3a00:21::173e:2e66
* IPv4: 23.192.228.84, 23.192.228.80, 23.215.0.136, 23.215.0.138, 96.7.128.198, 96.7.128.175
* Trying [2600:1406:bc00:53::b81e:94ce]:80...
* Immediate connect fail for 2600:1406:bc00:53::b81e:94ce: Network is unreachable
* Trying [2600:1408:ec00:36::1736:7f24]:80...
* Immediate connect fail for 2600:1408:ec00:36::1736:7f24: Network is unreachable
* Trying [2600:1406:3a00:21::173e:2e65]:80...
* Immediate connect fail for 2600:1406:3a00:21::173e:2e65: Network is unreachable
* Trying [2600:1406:bc00:53::b81e:94c8]:80...
* Immediate connect fail for 2600:1406:bc00:53::b81e:94c8: Network is unreachable
* Trying [2600:1408:ec00:36::1736:7f31]:80...
* Immediate connect fail for 2600:1408:ec00:36::1736:7f31: Network is unreachable
* Trying [2600:1406:3a00:21::173e:2e66]:80...
* Immediate connect fail for 2600:1406:3a00:21::173e:2e66: Network is unreachable
* Trying 23.192.228.84:80...
* Connected to example.com (23.192.228.84) port 80
* using HTTP/1.x
> GET /test HTTP/1.1
> Host: example.com
> User-Agent: curl/8.12.1
> Accept: */*
>
* Request completely sent off
< HTTP/1.1 404 Not Found
< Accept-Ranges: bytes
< Content-Type: text/html
< ETag: "84238dfc8092e5d9c0dac8ef93371a07:1736799080.121134"
< Last-Modified: Mon, 13 Jan 2025 20:11:20 GMT
< Server: AkamaiNetStorage
< Content-Length: 1256
< Expires: Wed, 14 May 2025 16:42:27 GMT
< Cache-Control: max-age=0, no-cache, no-store
< Pragma: no-cache
< Date: Wed, 14 May 2025 16:42:27 GMT
< Connection: keep-alive
<
```

3. Identifica as flags que podem ser utilizadas para definir o método do pedido

`-X GET, -X POST, -X PUT, -X DELETE`

4. Utiliza os métodos existentes (os que estão nos slides) no endpoint example.com/test

`curl -X GET http://example.com/test`

```
(espada@kali)-[~]
$ curl -X GET http://example.com/test
<!doctype html>
<html>
<head>
  <title>Example Domain</title>

  <meta charset="utf-8" />
  <meta http-equiv="Content-type" content="text/html; charset=utf-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <style type="text/css">
    body {
      background-color: #f0f0f2;
      margin: 0;
      padding: 0;
      font-family: -apple-system, system-ui, BlinkMacSystemFont, "Segoe UI", "Open Sans", "Helvetica Neue", Helvetica, Arial, sans-serif;
    }
    div {
      width: 600px;
      margin: 5em auto;
      padding: 2em;
      background-color: #fdfdff;
      border-radius: 0.5em;
      box-shadow: 2px 3px 7px 2px rgba(0,0,0,0.02);
    }
    a:link, a:visited {
      color: #38488f;
      text-decoration: none;
    }
    @media (max-width: 700px) {
      div {
        margin: 0 auto;
        width: auto;
      }
    }
  </style>
</head>

<body>
<div>
  <h1>Example Domain</h1>
  <p>This domain is for use in illustrative examples in documents. You may use this
  domain in literature without prior coordination or asking for permission.</p>
  <p><a href="https://www.iana.org/domains/example">More information ... </a></p>
</div>
</body>
</html>
```

`curl -X POST http://example.com/test`

```
(espada@kali)-[~]
$ curl -X POST http://example.com/test
<HTML><HEAD>
<TITLE>Bad Request</TITLE>
</HEAD><BODY>
<H1>Bad Request</H1>
Your browser sent a request that this server could not understand.<P>
Reference&#32;&#35;7&#46;c6380760&#46;1747242014&#46;68c04b8
<P>https&#58;&#47;&#47;errors&#46;edgesuite&#46;net&#47;7&#46;c6380760&#46;1747242014&#46;68c04b8</P>
</BODY>
</HTML>
```

curl -X PUT <http://example.com/test>

```
(espada@kali)-[~]
$ curl -X PUT http://example.com/test
<HTML><HEAD>
<TITLE>Unsupported Request</TITLE>
</HEAD><BODY>
<H1>Unsupported Request</H1>
PUT to http#58;#47;#47;example#46;com#47;test not supported.<P>
Reference#32;#35;8#46;c6380760#46;1747242029#46;68f770c
<P>https#58;#47;#47;errors#46;edgesuite#46;net#47;8#46;c6380760#46;1747242029#46;68f770c</P>
</BODY></HTML>
```

curl -X DELETE <http://example.com/test>

```
(espada@kali)-[~]
$ curl -X DELETE http://example.com/test
<HTML><HEAD>
<TITLE>Unsupported Request</TITLE>
</HEAD><BODY>
<H1>Unsupported Request</H1>
DELETE to http#58;#47;#47;example#46;com#47;test not supported.<P>
Reference#32;#35;8#46;af380760#46;1747242060#46;1f2ccd15
<P>https#58;#47;#47;errors#46;edgesuite#46;net#47;8#46;af380760#46;1747242060#46;1f2ccd15</P>
</BODY></HTML>
```

5. Envia a palavra "test" no corpo do pedido (body)

curl -X POST <https://example.com/test> -d "test"

```
(espada@kali)-[~]
$ curl -X POST https://example.com/test -d "test"
<HTML><HEAD>
<TITLE>Access Denied</TITLE>
</HEAD><BODY>
<H1>Access Denied</H1>

You don't have permission to access "http#58;#47;#47;example#46;com#47;test" on this server.<P>
Reference#32;#35;18#46;45a33017#46;1747242207#46;35ef1961
<P>https#58;#47;#47;errors#46;edgesuite#46;net#47;18#46;45a33017#46;1747242207#46;35ef1961</P>
</BODY>
</HTML>
```

6. Faz um pedido com uma query string para o parâmetro id no caminho /test

curl https://example.com/test?id=123

```
(espada@kali)~$ curl https://example.com/test?id=342
<!doctype html>
<html>
<head>
  <title>Example Domain</title>

  <meta charset="utf-8" />
  <meta http-equiv="Content-type" content="text/html; charset=utf-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <style type="text/css">
    body {
      background-color: #f0f0f2;
      margin: 0;
      padding: 0;
      font-family: -apple-system, system-ui, BlinkMacSystemFont, "Segoe UI", "Open Sans", "Helvetica Neue", Helvetica, Arial, sans-serif;
    }
    div {
      width: 600px;
      margin: 5em auto;
      padding: 2em;
      background-color: #fdfdff;
      border-radius: 0.5em;
      box-shadow: 2px 3px 7px 2px rgba(0,0,0,0.02);
    }
    a:link, a:visited {
      color: #38488f;
      text-decoration: none;
    }
    @media (max-width: 700px) {
      div {
        margin: 0 auto;
        width: auto;
      }
    }
  </style>
</head>
<body>
<div>
  <h1>Example Domain</h1>
  <p>This domain is for use in illustrative examples in documents. You may use this
  domain in literature without prior coordination or asking for permission.</p>
  <p><a href="https://www.iana.org/domains/example">More information ... </a></p>
</div>
</body>
</html>
```

7. Faz um pedido onde o User-Agent seja "ATEC"

`curl -H "User-Agent: ATEC" https://example.com/test`

```
(espada@kali)~$ curl -H "User-Agent: ATEC" https://example.com/test
<!doctype html>
<html>
<head>
  <title>Example Domain</title>

  <meta charset="utf-8" />
  <meta http-equiv="Content-type" content="text/html; charset=utf-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <style type="text/css">
    body {
      background-color: #f0f0f2;
      margin: 0;
      padding: 0;
      font-family: -apple-system, system-ui, BlinkMacSystemFont, "Segoe UI", "Open Sans", "Helvetica Neue", Helvetica, Arial, sans-serif;
    }
    div {
      width: 600px;
      margin: 5em auto;
      padding: 2em;
      background-color: #fdfdff;
      border-radius: 0.5em;
      box-shadow: 2px 3px 7px 2px rgba(0,0,0,0.02);
    }
    a:link, a:visited {
      color: #38488f;
      text-decoration: none;
    }
    @media (max-width: 700px) {
      div {
        margin: 0 auto;
        width: auto;
      }
    }
  </style>
</head>
<body>
<div>
  <h1>Example Domain</h1>
  <p>This domain is for use in illustrative examples in documents. You may use this
  domain in literature without prior coordination or asking for permission.</p>
  <p><a href="https://www.iana.org/domains/example">More information...</a></p>
</div>
</body>
</html>
```

8. Faz um pedido autenticado, com o utilizador "test" e a password "test"

`curl -u test:test http://example.com/test`

```
(espada@kali)~$ curl -u test:test https://example.com/test
<!doctype html>
<html>
<head>
  <title>Example Domain</title>

  <meta charset="utf-8" />
  <meta http-equiv="Content-type" content="text/html; charset=utf-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <style type="text/css">
    body {
      background-color: #f0f0f2;
      margin: 0;
      padding: 0;
      font-family: -apple-system, system-ui, BlinkMacSystemFont, "Segoe UI", "Open Sans", "Helvetica Neue", Helvetica, Arial, sans-serif;
    }
    div {
      width: 600px;
      margin: 5em auto;
      padding: 2em;
      background-color: #fdfdff;
      border-radius: 0.5em;
      box-shadow: 2px 3px 7px 2px rgba(0,0,0,0.02);
    }
    a:link, a:visited {
      color: #38488f;
      text-decoration: none;
    }
    @media (max-width: 700px) {
      div {
        margin: 0 auto;
        width: auto;
      }
    }
  </style>
</head>
<body>
<div>
  <h1>Example Domain</h1>
  <p>This domain is for use in illustrative examples in documents. You may use this
  domain in literature without prior coordination or asking for permission.</p>
  <p><a href="https://www.iana.org/domains/example">More information ...</a></p>
</div>
</body>
</html>
```

9. Se o certificado do site não for válido, qual é a flag que deve ser utilizada?

`curl -k http://example.com/test`

```
(espada@kali)~$ curl -k http://example.com/test
<!doctype html>
<html>
<head>
  <title>Example Domain</title>

  <meta charset="utf-8" />
  <meta http-equiv="Content-type" content="text/html; charset=utf-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <style type="text/css">
    body {
      background-color: #f0f0f2;
      margin: 0;
      padding: 0;
      font-family: -apple-system, system-ui, BlinkMacSystemFont, "Segoe UI", "Open Sans", "Helvetica Neue", Helvetica, Arial, sans-serif;
    }
    div {
      width: 600px;
      margin: 5em auto;
      padding: 2em;
      background-color: #fdfdff;
      border-radius: 0.5em;
      box-shadow: 2px 3px 7px 2px rgba(0,0,0,0.02);
    }
    a:link, a:visited {
      color: #38488f;
      text-decoration: none;
    }
    @media (max-width: 700px) {
      div {
        margin: 0 auto;
        width: auto;
      }
    }
  </style>
</head>

<body>
<div>
  <h1>Example Domain</h1>
  <p>This domain is for use in illustrative examples in documents. You may use this
  domain in literature without prior coordination or asking for permission.</p>
  <p><a href="https://www.iana.org/domains/example">More information ...</a></p>
</div>
</body>
</html>
```


Exercicio 2:

