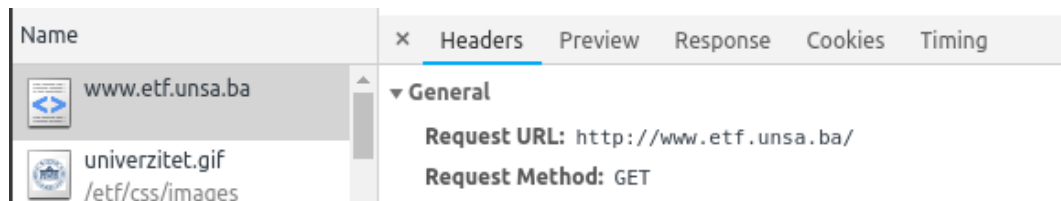


Izvještaj vježbe 5

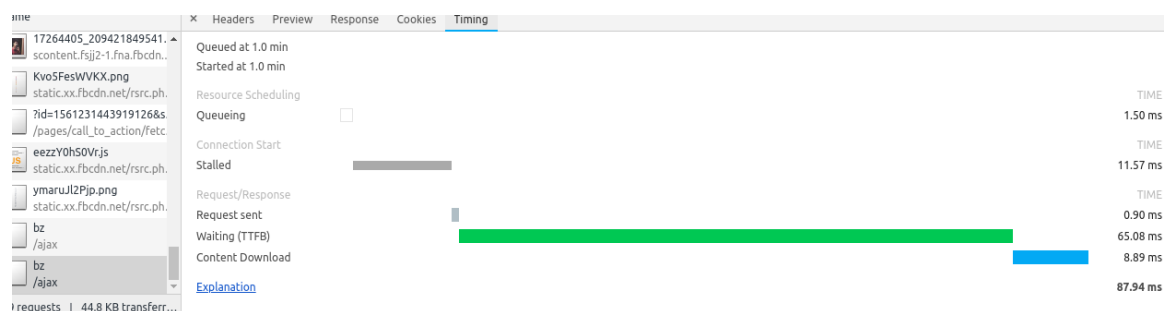
Web tehnologije

Zadatak 1. Snimite zahtjev i odgovor koji se šalje kada otvorite stranicu **etf.unsa.ba** u pregledniku. Napišite izvještaj i odgovorite na sljedeća pitanja:

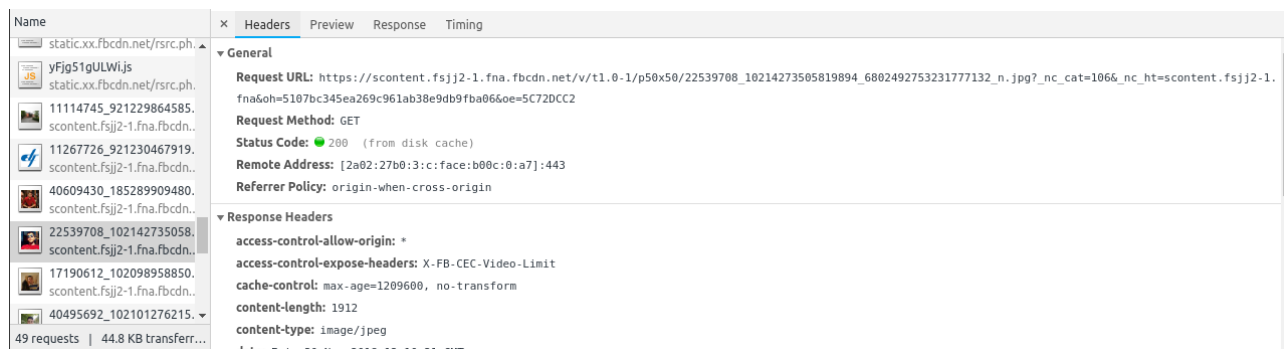
- a) Kojom HTTP metodom se šalje zahtjev?
Zahtjev za etf.unsa.ba se šalje GET metodom.



- b) Koliko je vremena trebalo da dođe prvi, a koliko za posljednji odgovor od servera?
Prvi odgovor je počeo nakon 267.63 milisekundi (univerzitet.gif), završio je 41 mikrosekundu nakon toga. Posljednji zahtjev je počeo tek nakon prve minute (<https://www.facebook.com/ajax/bz>), koji je tipa POST i trajao je 87.94 milisekundi nakon svog početka.



- c) Snimite jedan od zahtjeva i odgovora za dobavljanje slike! Koja je veličina tijela odgovora? Nabrojite koji se sve headeri nalaze u zahtjevu, a koji u odgovoru i opišite njihovo značenje na konkretnom primjeru!



Vrijeme trajanja zahtjeva: 156.97 ms

Response headeri:

access-control-allow-origin: * - dozvoli browseru bilo da bilo koji "origin" pristupi resursima
access-control-expose-headers: X-FB-CEC-Video-Limit – expose headers označava koji headers će biti vidljivi u response-u
cache-control: max-age=1209600, no-transform – max-age označava maksimalnu starost cache-a u sekundama, tj. Koliko dugo se cache smatra "svježim", no-transform ne dozvoljava proxyju da modifikuje response headere. Proxy može npr. Konvertovati format slike da uštedi malo cache prostora, ali no-transform mu to ne dozvoljava.
content-length: 1912 – veličina je 1912 bajta.
content-type: image/jpeg - tip contenta zahtjeva
date: Fri, 30 Nov 2018 12:10:21 GMT - kada je zahtjev iniciran
last-modified: Sat, 21 Oct 2017 17:06:50 GMT - kada je posljednji put modifikovan
status: 200 - postoji više kodova za status, 200 znači da je OK, 4xx i 5xx označavaju errore, npr 404 je not found, 503 je gateway timeout, 3xx označavaju preusmjerenja.
timing-allow-origin: * - dozvoljava bilo kojem "originu" da vidi timing resurse.

Request headeri:

Referer: <https://www.facebook.com/> - header sadrži adresu prethodne stranice sa koje smo došli na našu stranicu

User-Agent: Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko)

Ubuntu Chromium/70.0.3538.67 Chrome/70.0.3538.67 Safari/537.36 - prva zagrada, nakon Mozilla/5.0, sadrži informacije o operativnom sistemu. AppleWebKit/537.36 predstavlja platformu, a u zagradi su njeni detalji. Posljednje predstavlja web browser (Chromium verzija 70).

d) Pronađite header u kojem piše koji web preglednik koristite!
User-Agent header.

e) Koliko je ukupno zahtjeva upućeno?



49 requests | 44.8 KB transferr...

Zadatak 2.a

Putem Postman-a uputite jedan GET zahtjev na <https://www.themoviedb.org/documentation/api>, zabilježite odgovor od servera!

1. API key: 5fa19af8e9835485d043b92b3838f2c5

2. api_key i query su potrebni za jedan search zahtjev. npr koristio sam https://www.themoviedb.org/search/movie?api_key=5fa19af8e9835485d043b92b3838f2c5&query=Godfather

3.

Status: 200 OK

Time: 225 ms

Content-Type: text/html; charset=utf-8

The screenshot shows the Postman interface with a GET request to `https://www.themoviedb.org/search/movie?api_key=5fa19af8e9835485d043b92b3838f2c5&query=Godfather`. The request is successful with a status of 200 OK, a response time of 225 ms, and a size of 95.09 KB. The response headers are displayed, showing a Content-Type of text/html; charset=utf-8 and various other headers like Transfer-Encoding, Connection, Content-Encoding, Date, Server, Set-Cookie, X-Content-Type-Options, X-Frame-Options, X-XSS-Protection, Vary, X-Cache, Via, and X-Amz-Cf-Id.

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> api_key	5fa19af8e9835485d043b92b3838f2c5	
<input checked="" type="checkbox"/> query	Godfather	
Key	Value	Description

Body Cookies (2) Headers (14) Test Results Status: 200 OK Time: 225 ms Size: 95.09 KB Download

Content-Type → text/html; charset=utf-8

Transfer-Encoding → chunked

Connection → keep-alive

Content-Encoding → gzip

Date → Fri, 30 Nov 2018 13:23:27 GMT

Server → nginx

Set-Cookie → session=BAh7BkklD3Nlc3Npb25faWQGOgZFVEkiRTIzMtc3ODFhZjc2NDdhYWUxZDM0%0ANjI3Yzh1OWZiYWU2ODBiNDk2Mzg0Mjc4YWQwZjI0ZTIxOTg5YzIzMWI3NjcG%0AOwBG%0A--a53d02045288798f55fa69d3278f0741ba9ea2e; domain=.www.themoviedb.org; path=/; expires=Sat, 01 Dec 2018 13:23:27 -0000; HttpOnly

X-Content-Type-Options → nosniff

X-Frame-Options → SAMEORIGIN

X-XSS-Protection → 1; mode=block

Vary → Accept-Encoding

X-Cache → Miss from cloudfront

Via → 1.1 ac27d939fa02703c4b28926f53f95083.cloudfront.net (CloudFront)

X-Amz-Cf-Id → mwRkzyp6FPclZTLviyVs-RzGx3PdXM_UN1HjHXIOk7E5tt1dwlQ_6g==

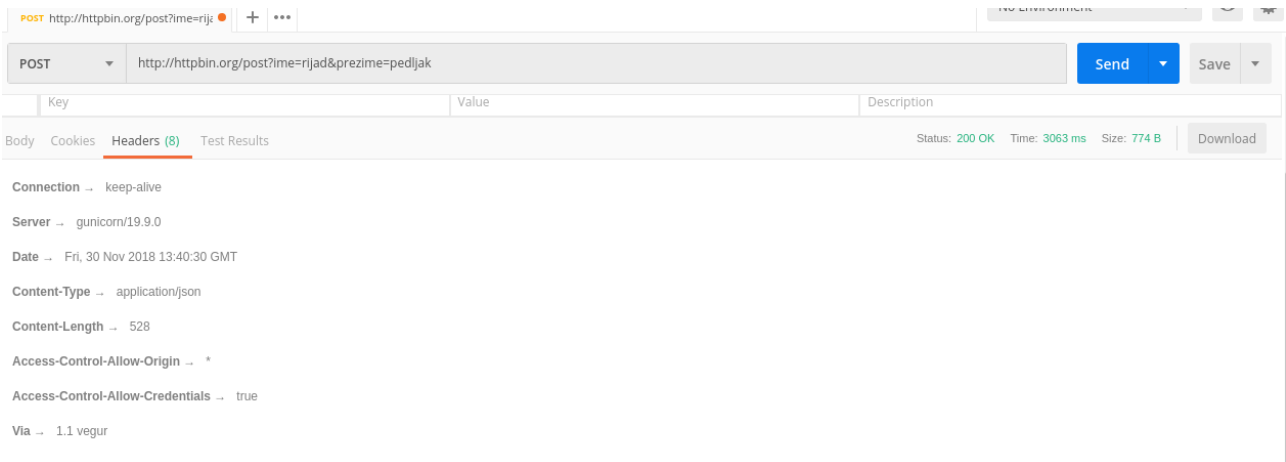
Zadatak 2.b

Putem POSTMAN-a uputite sljedeće zahtjeve i dokumentujte odgovore kao u prethodnom zadatku:

- POST sa podacima ime – vaše ime, prezime – vaše prezime kodiranim kao **x-www-form-urlencoded** na URL <http://httpbin.org/post>

Status: 200 OK

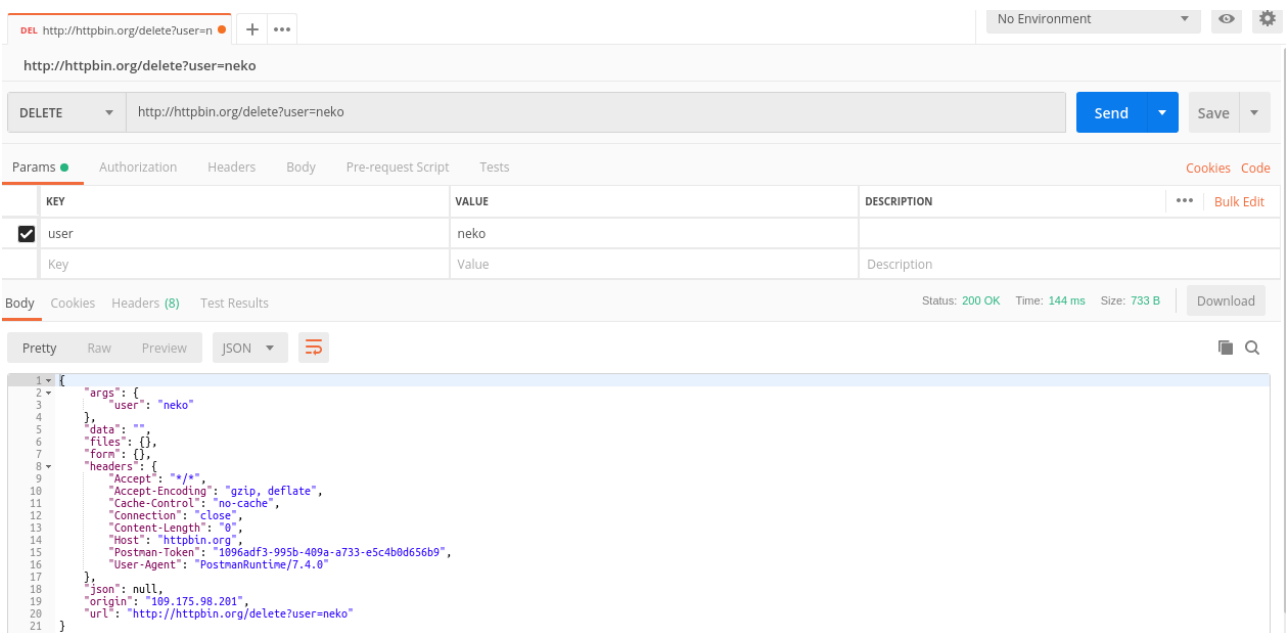
Time: 3063 ms



- DELETE na url <http://httpbin.org/delete> gdje je parametar korisnik koji ima vrijednost neko

Status: 200 OK

Time: 144 ms



- Pošaljite zahtjeve i validirajte par email adresa koristeći [api](#), dokumentujte razne odgovore

API key: 8ef8f134a3adb7cbcc79367a843e102d

Test: rijad.pedljak1@gmail.com

GET http://apilayer.net/api/check?access_key=8ef8f134a3adb7cbcc79367a843e102d&email=rijad.pedljak1@gmail.com&smtp=1&format=1

Params Authorization Headers Body Pre-request Script Tests Cookies Code

KEY	VALUE	DESCRIPTION
access_key	8ef8f134a3adb7cbcc79367a843e102d	
email	rijad.pedljak1@gmail.com	
smtp	1	
format	1	
Key	Value	Description

Body Cookies Headers (9) Test Results Status: 200 OK Time: 584 ms Size: 632 B Download

Pretty Raw Preview JSON

```
1 {
2   "email": "rijad.pedljak1@gmail.com",
3   "did_you_mean": "",
4   "user": "rijad.pedljak1",
5   "domain": "gmail.com",
6   "format_valid": true,
7   "mx_found": true,
8   "smtp_check": true,
9   "catch_all": null,
10  "role": false,
11  "disposable": false,
12  "free": true,
13  "score": 0.8
14 }
```

“format_valid”: true

Test: hehenevalja@23

GET http://apilayer.net/api/check?access_key=8ef8f134a3adb7cbcc79367a843e102d&email=hehenevalja@23&smtp=1&format=1

Params Authorization Headers Body Pre-request Script Tests Cookies Code

KEY	VALUE	DESCRIPTION
access_key	8ef8f134a3adb7cbcc79367a843e102d	
email	hehenevalja@23	
smtp	1	
format	1	
Key	Value	Description

Body Cookies Headers (8) Test Results Status: 200 OK Time: 244 ms Size: 589 B Download

Pretty Raw Preview JSON

```
1 {
2   "email": "hehenevalja@23",
3   "did_you_mean": "",
4   "user": "hehenevalja",
5   "domain": "23",
6   "format_valid": false,
7   "mx_found": null,
8   "smtp_check": false,
9   "catch_all": null,
10  "role": false,
11  "disposable": false,
12  "free": false,
13  "score": 0.64
14 }
```

“format_valid”: false

- Dohvatite par slika koristeći [api](#), dokumentujte i json odgovor i dohvaćenu sliku

Current:

GET

http://xkcd.com/info.0.json

Send

Save

Params

Authorization

Headers

Body

Pre-request Script

Tests

Cookies

Code

KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

Body

Cookies

Headers (17)

Test Results

Status: 200 OK

Time: 257 ms

Size: 686 B

Download

Pretty

Raw

Preview

JSON

```
1 {
2   "month": "11",
3   "num": 2078,
4   "link": "",
5   "year": "2018",
6   "news": "",
7   "safe_title": "Popper",
8   "transcript": "",
9   "alt": "At least, I don't think there's evidence. My claim that there's no evidence hasn't been falsified. At least, not that I know of.",
10  "img": "https://imgs.xkcd.com/comics/popper.png",
11  "title": "Popper",
12  "day": "28"
13 }
```

Slika:



Comic 232:

GET http://xkcd.com/232/info.0.json

http://xkcd.com/232/info.0.json

GET http://xkcd.com/232/info.0.json

Send Save

Params Authorization Headers Body Pre-request Script Tests Cookies Code

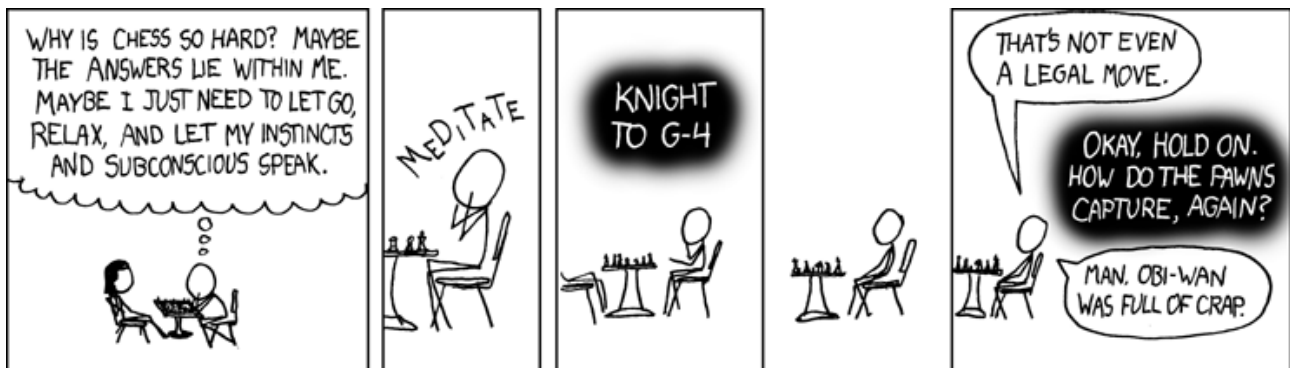
KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (17) Test Results Status: 200 OK Time: 205 ms Size: 903 B Download

Pretty Raw Preview JSON

```
1 {
2   "month": "3",
3   "num": 232,
4   "link": "",
5   "year": "2007",
6   "news": "",
7   "safe_title": "Chess Enlightenment",
8   "transcript": "Narrator: Why is chess so hard? Maybe the answers lie within me. Maybe I just need to let go, relax, and let my instincts and subconscious speak.\n<<Meditate>>\nNarrator's Subconscious: Knight to G-4\nNarrator: That's not even a legal move.\nNarrator's Subconscious: Okay, hold on. How do the pawns capture, again?\nNarrator: Man, Obi-wan was full of crap.\n\n[title text: You know that 'sweep the pieces off the board and see it in your mind' thing? Doesn't work.]",
9   "alt": "You know that 'sweep the pieces off the board and see it in your mind' thing? Doesn't work.",
10  "img": "https://imgs.xkcd.com/comics/chess_enlightenment.png",
11  "title": "Chess Enlightenment",
12  "day": "7"
13 }
```

Slika:



- Dohvatite “trending pastes” koristeći <https://pastebin.com/api/>

the trends page was fully automated, and not moderated. People abused this fact too much, so we decided to remove it from the site. I will remove the API in the future too. Probably in the coming weeks.

- Pozovite još jedan api sa [liste](#) po želji SpaceX:



Headeri:

Date → Fri, 30 Nov 2018 13:57:17 GMT

Content-Type → application/json; charset=utf-8

Transfer-Encoding → chunked

Connection → keep-alive

Set-Cookie → __cfduid=d6de01ba4be154b8c32bf6eae08f6521543586237; expires=Sat, 30-Nov-19 13:57:17 GMT; path=/; domain=spacexdata.com; HttpOnly; Secure

Vary → Accept-Encoding, Origin

X-DNS-Prefetch-Control → off

X-Frame-Options → SAMEORIGIN

Strict-Transport-Security → max-age=15552000; includeSubDomains

X-Download-Options → noopen

X-Content-Type-Options → nosniff

X-XSS-Protection → 1; mode=block

Access-Control-Allow-Origin → *

X-Koa-Redis-Cache → true

X-Response-Time → 2ms

Content-Encoding → gzip

Expect-CT → max-age=604800, report-uri="https://report-uri.cloudflare.com/cdn-cgi/beacon/expect-ct"

Server → cloudflare

JSON:

```
{
  "flight_number": 70,
  "mission_name": "Es'hail 2",
  "mission_id": [],
  "launch_year": "2018",
  "launch_date_unix": 1542314760,
  "launch_date_utc": "2018-11-15T20:46:00.000Z",
  "launch_date_local": "2018-11-15T15:46:00-05:00",
  "is_tentative": false,
  "tentative_max_precision": "hour",
  "tbd": false,
```

```
"rocket": {
  "rocket_id": "falcon9",
  "rocket_name": "Falcon 9",
  "rocket_type": "FT",
  "first_stage": {
    "cores": [
      {
        "core_serial": "B1047",
        "flight": 2,
        "block": 5,
        "gridfins": true,
        "legs": true,
        "reused": true,
        "land_success": true,
        "landing_intent": true,
        "landing_type": "ASDS",
        "landing_vehicle": "OCISLY"
      }
    ]
  },
  "second_stage": {
    "block": 5,
    "payloads": [
      {
        "payload_id": "Es'hail 2",
        "norad_id": [
          43700
        ],
        "reused": false,
        "customers": [
          "Es'hailSat"
        ],
        "nationality": "Qatar",
        "manufacturer": "Mitsubishi Electric",
        "payload_type": "Satellite",
        "payload_mass_kg": 3000,
        "payload_mass_lbs": 6613.868,
        "orbit": "GTO",
        "orbit_params": {
          "reference_system": "geocentric",
          "regime": "geostationary",
          "longitude": 25.5,
          "semi_major_axis_km": 42164.301,
          "eccentricity": 0.000124,
          "periapsis_km": 35780.938,
          "apoapsis_km": 35791.395,
          "inclination_deg": 0.0893,
          "period_min": 1436.074,
```

```

        "lifespan_years": 15,
        "epoch": "2018-11-29T19:30:01.000Z",
        "mean_motion": 1.00273319,
        "raan": 246.09,
        "arg_of_pericenter": 6.3014,
        "mean_anomaly": 132.7715
    }
}
],
},
"fairings": {
    "reused": false,
    "recovery_attempt": false,
    "recovered": false,
    "ship": null
}
},
"ships": [
    "HAWK",
    "OCISLY"
],
"telemetry": {
    "flight_club": "https://www.flightclub.io/result/2d?code=ESL2"
},
"launch_site": {
    "site_id": "ksc_lc_39a",
    "site_name": "KSC LC 39A",
    "site_name_long": "Kennedy Space Center Historic Launch Complex 39A"
},
"launch_success": true,
"links": {
    "mission_patch": "https://images2.imgbox.com/59/c8/HPYpMlux_o.png",
    "mission_patch_small": "https://images2.imgbox.com/a3/96/WvJsBXuE_o.png",
    "reddit_campaign":
"https://www.reddit.com/r/spacex/comments/9p82jt/eshail_2_launch_campaign_thread/",
    "reddit_launch":
"https://www.reddit.com/r/spacex/comments/9x9w9v/rspacex_eshail_2_official_launch_discussion/",
    "reddit_recovery":
"https://www.reddit.com/r/spacex/comments/9xmpa7/eshail_2_recovery_thread/",
    "reddit_media":
"https://www.reddit.com/r/spacex/comments/9xaa76/rspacex_eshail_2_media_thread_videos_images_gifs/",
    "presskit": "https://www.spacex.com/sites/spacex/files/eshail-2_mission_press_kit_11_14_2018.pdf",
    "article_link": "https://spaceflightnow.com/2018/11/15/spacex-launches-qatars-eshail-2-communications-satellite/",
    "wikipedia": "https://en.wikipedia.org/wiki/Es%27hailSat",

```

```
"video_link": "https://www.youtube.com/watch?v=PhTbzc-BqKs&feature=youtu.be",
"flickr_images": [
  "https://farm5.staticflickr.com/4834/32040174268_b71d703417_o.jpg",
  "https://farm5.staticflickr.com/4810/32040174058_a65fa64e85_o.jpg",
  "https://farm5.staticflickr.com/4814/32040173268_0ab571e7bc_o.jpg",
  "https://farm5.staticflickr.com/4899/32040173568_bb5c991565_o.jpg",
  "https://farm5.staticflickr.com/4875/32040173278_b5578ba6be_o.jpg",
  "https://farm5.staticflickr.com/4862/32040173928_afdfb09939_o.jpg",
  "https://farm5.staticflickr.com/4888/32040173048_b2b29c020f_o.jpg"
],
"details": "SpaceX's eighteenth flight of 2018 was its first for Es'hailSat. Es'hail-2 is a
communications satellite delivering television and internet to Qatar and the surrounding region. It
was launched into a geostationary transfer orbit from LC-39A at Kennedy Space Center. The
booster landed on OCISLY.",
"upcoming": false,
"static_fire_date_utc": "2018-11-12T18:13:00.000Z",
"static_fire_date_unix": 1542046380
}
```