

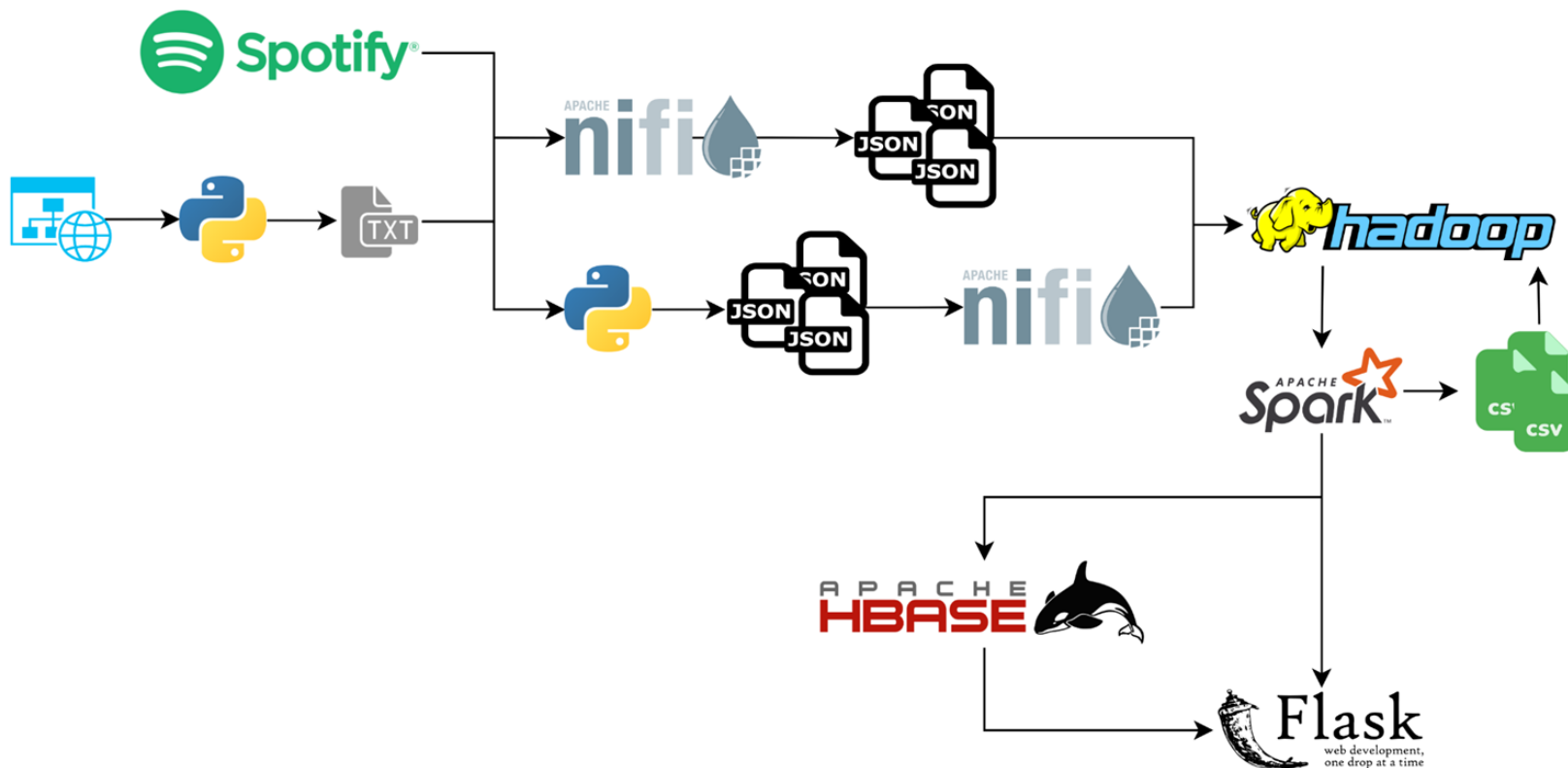
Aplikacja do porównywania artystów zarejestrowanych w serwisie Spotify

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Cel projektu

- udostępnienie artystom ze Spotify raportu z różnymi statystykami
- stworzenie aplikacji klienckiej
- stworzenie architektury do przetwarzania danych Big Data

Schemat rozwiązania



Dane

Artyści

- identyfikator
- imię i nazwisko / pseudonim
- liczba obserwujących
- gatunki, w których tworzą
- popularność

id	name	followers	genres	popularity
6DIS6PRrLS3wbnZsf...	WALK THE MOON	1855947	[dance pop, dance...	72
3Gm5F95VdRXw3mqCn...	Aminé	1704990	[hip hop, pop, po...	77
6Ha4aES39QiVjR0L2...	Yo Gotti	3552613	[dirty south rap,...	72
7jZM5w05mGhw6wTB1...	ATB	315432	[german dance, ge...	71
4mAsWDLUIEdo6imU...	Boombabash	575501	[italian adult po...	63
1fxbULcd6ryMnc1us...	Quebonafide	1136285	[polish hip hop]	69
1XLWox9w1Yvbodui0...	StaySolidRocky	155335	[melodic rap]	65
1cZQSpDsxgKIX2yw5...	Lennon Stella	313373	[alt z, canadian ...	71
21E3waRsmPLU7jZsS...	Ne-Yo	6676677	[dance pop, pop, ...	81
5NGO30tJxFLKixkPS...	The Police	4600255	[album rock, art ...	77
0KKuc4amZyvsW2YL...	Mariah Angeliq	220019	[dominican pop, l...	73
2kRfqPViCqYdSGhYS...	Madison Beer	4129350	[alt z, dance pop...	78
3rWZHrfrsPBxVy692...	WILLOW	1879269	[afrofuturism, da...	83
2PJEagPIxaBugeMjI...	Aitch	757903	[manchester hip hop]	71
3gIRvgZssIb9aiirI...	Jeremy Zucker	1854702	[electropop, pop]	79
2oT7xd9iT0ejLsNG...	Flow La Movie	10060	[reggaeton, trap ...	69
51Devd0xIjIn6DB1F...	UZI	751004	[turkish trap]	77
4nPxrGG7k7aEKmNLS...	White 2115	642922	[polish hip hop, ...	73
48sLioddyaXkuhyHX...	Parson James	54961	[pop soul]	62
6gto7HVNhu4ARE3P3...	Kollegah	1383052	[german hip hop]	72

Dane

Albumy

- identyfikator artysty
- typ albumu
- identyfikator albumu
- tytuł
- data wydania
- liczba utworów

artist_id	album_type	id	name	release_date	total_tracks
17ggmeNujCFMkr3zg...	album	1qYgVhLQzmkpDvGuV...	A New World	2021-05-14	2
17ggmeNujCFMkr3zg...	album	1s4Q1KgUS0CmAx5NC...	Inca Trail Connec...	2021-04-23	12
17ggmeNujCFMkr3zg...	album	5AhfRz0R24vwYKeaC...	Journeys: Orchest...	2021-02-26	9
17ggmeNujCFMkr3zg...	album	4J0wxk9HERWqCWEMC...	Otto Winter-Hjelm...	2020-09-11	8
17ggmeNujCFMkr3zg...	album	5CYHG4Iq2VvjfoytZ...	Unleash	2020-04-10	4
17ggmeNujCFMkr3zg...	album	4ABYwTHCLK61mVkJ0M...	Berio: Coro & Cri...	2020-03-06	38
17ggmeNujCFMkr3zg...	album	7dfhXqmjA7I6bJhgr...	Ole Bull - Stages...	2020-02-26	5
17ggmeNujCFMkr3zg...	album	012Wbyc0PBPLG4NYX...	The Best Version ...	2019-12-03	6
17ggmeNujCFMkr3zg...	album	2FNyk2Z0rX5szMd5F...	Singing Oboe	2019-11-15	11
17ggmeNujCFMkr3zg...	album	1ONsBFxBohEs0MIGO...	Live i Marka	2019-11-01	15
17ggmeNujCFMkr3zg...	album	3cMh9BZ7nA1LaTx4g...	Silently Loud	2019-09-20	12
17ggmeNujCFMkr3zg...	album	5mzYNo9a48F6sDjN6...	Ginastera: Harp C...	2019-09-13	15
17ggmeNujCFMkr3zg...	album	7M7oEGsBwyQxEqebh...	Poulenc Concertos	2019-06-07	7
17ggmeNujCFMkr3zg...	album	6SHGJedSNSYRjJ6vG...	Brahms & Ligeti: ...	2019-04-05	8
17ggmeNujCFMkr3zg...	album	2qp8rrdS9UoivGzlg...	Helge Iberg: Song...	2019-04-05	9
17ggmeNujCFMkr3zg...	album	5khHCHHTmmrIqYdBg...	My Old Book (30 Y...	2019-01-18	13
17ggmeNujCFMkr3zg...	album	08wKh6SuwXWyYOWty...	Chopin / Schumann	2018-04-13	4
17ggmeNujCFMkr3zg...	album	5L9WUGla5CFAB8Dmv...	Con Ciento Toque ...	2017-09-27	13
17ggmeNujCFMkr3zg...	album	73A8VcxUn2xBkK1Yn...	La Flûte Norvégienne	2017-06-12	15
17ggmeNujCFMkr3zg...	album	1KPvnm7cHpndLASE3...	Variations over V...	2017-03-10	6

Dane

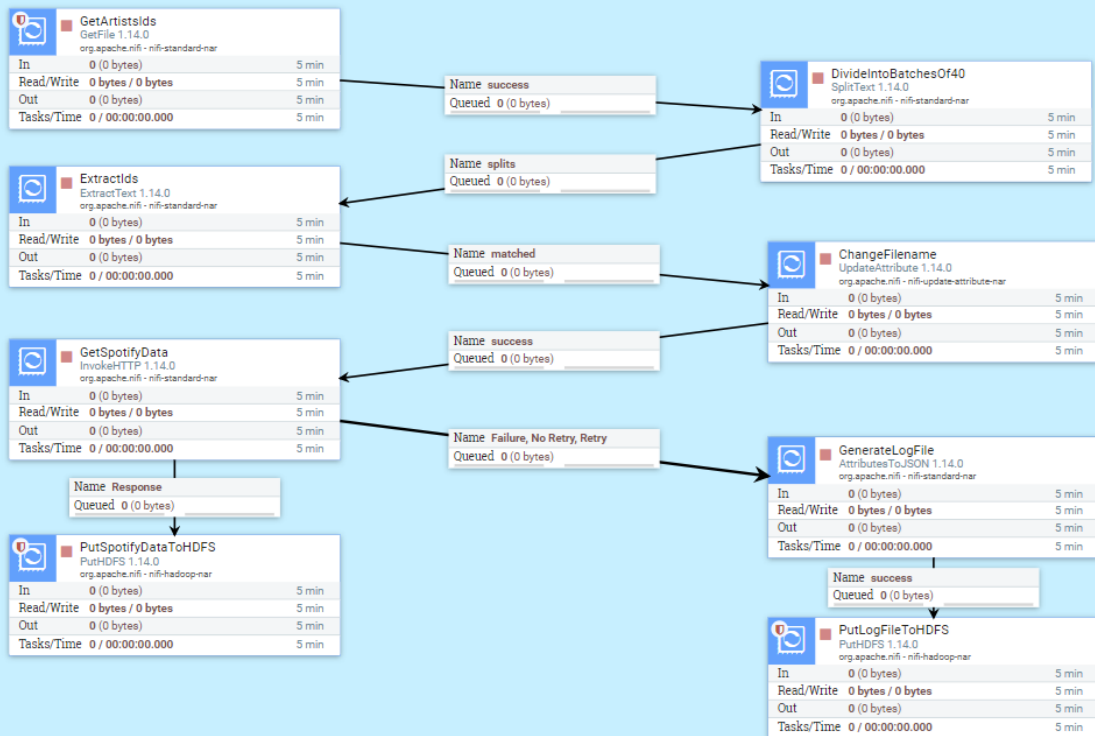
Utwory

- identyfikator albumu
- długość utworu
- czy zawiera wulgaryzmy
- identyfikator utworu
- tytuł
- popularność
- identyfikator artysty

album_id	duration_ms	explicit	id	name	popularity	artist_id
3GkXRRRkV3rfGwG1w...	176232	false	29m79w9xPMH4YCD6r...	Excuses	75	00S0NZnK7TGIawx8M...
12UWgJjNi8Mz24BGQ...	184102	false	4faD1XyZMSxExBdd...	Toxic	72	00S0NZnK7TGIawx8M...
7LwW8qe6sND4ySnKm...	188606	false	5fxs1GZPI5Cco6PKH...	Illegal Weapon 2...	69	00S0NZnK7TGIawx8M...
2UEWjApikRpHodFlZ...	306572	false	79blZUG11a6vtTL3N...	Punjabi Mashup	67	00S0NZnK7TGIawx8M...
3yd4VQeZysHsK5TBx...	4676057	false	2HyMuSCZJIXgnZBku...	High Rated Gabru ...	66	00S0NZnK7TGIawx8M...
3S3ekcemSjVZ6Pi3o...	193398	false	7fBeejW1BoZFTd4hT...	Umbrella	64	00S0NZnK7TGIawx8M...
04h2mUgHLBRDSSdim...	224209	false	2uClyP3ljxpx7CLbG...	Punjabi Party Mashup	59	00S0NZnK7TGIawx8M...
3y6rsAj2sdhKgrL8M...	213320	false	1dNdTTyT5hVBah1VA...	Holi Party Mix	53	00S0NZnK7TGIawx8M...
5u3EgVr8smBWV9NQw...	240512	false	4eHbe3yR5unRMZ8EC...	Naina De Thekay	48	00S0NZnK7TGIawx8M...
5eDASWi7PB20BVjXh...	169932	false	65RJHVcaIYpDDRB0P...	Chrome Hearts	46	00S0NZnK7TGIawx8M...
3tfC6dfnO9vi0LL1M...	212521	false	1MhHomaXgrPMBroXk...	Valentine's Mashu...	71	5rQoBDKFnd1n6Bkdb...
5bimKHx8YBRQBSoph...	212692	false	1orM67pmkNc4a1rZk...	Naach Meri Rani	68	5rQoBDKFnd1n6Bkdb...
71Z0GMHUBwc1dWAHk...	4581482	false	1FSYDJAlYHAabWhig...	52 Non Stop Dilba...	67	5rQoBDKFnd1n6Bkdb...
2UEWjApikRpHodFlZ...	306572	false	79blZUG11a6vtTL3N...	Punjabi Mashup	67	5rQoBDKFnd1n6Bkdb...
0FVTEsLSHEXGTyaQ4...	215368	false	5ZQnQnbUvtB00pl3S...	Lagdi Lahore Di (...)	67	5rQoBDKFnd1n6Bkdb...
3yd4VQeZysHsK5TBx...	4676057	false	2HyMuSCZJIXgnZBku...	High Rated Gabru ...	66	5rQoBDKFnd1n6Bkdb...
1zgKTUwG47DuyCE93...	190131	false	2mwBSO58y92EYMEFp...	Suit Suit	66	5rQoBDKFnd1n6Bkdb...
4CoXyGgEt2tJGLGe...	198380	false	1jKNF7kV00tznigXz...	Valentine's Mashu...	64	5rQoBDKFnd1n6Bkdb...
4dob5W0fc0iKEe3ii...	207493	false	0FoA1OXHI6KJ4RHP9...	Baby Girl	63	5rQoBDKFnd1n6Bkdb...
6EDbwGsQNQLf73c7...	198025	false	5x3K3Ld54TtkYKdQv...	Morni Banke (From...	58	5rQoBDKFnd1n6Bkdb...

Apache NiFi

Artists



Apache NiFi

Albums



GetAlbumFiles

GetFile 1.14.0
org.apache.nifi - nifi-standard-nar

In	0 (0 bytes)	5 min
Read/Write	0 bytes / 0 bytes	5 min
Out	0 (0 bytes)	5 min
Tasks/Time	0 / 00:00:00.000	5 min

Name success

Queued 0 (0 bytes)



PutAlbumsToHDFS

PutHDFS 1.14.0
org.apache.nifi - nifi-hadoop-nar

In	0 (0 bytes)	5 min
Read/Write	0 bytes / 0 bytes	5 min
Out	0 (0 bytes)	5 min
Tasks/Time	0 / 00:00:00.000	5 min

Tracks



GetTrackFiles

GetFile 1.14.0
org.apache.nifi - nifi-standard-nar

In	0 (0 bytes)	5 min
Read/Write	0 bytes / 0 bytes	5 min
Out	0 (0 bytes)	5 min
Tasks/Time	0 / 00:00:00.000	5 min

Name success

Queued 0 (0 bytes)



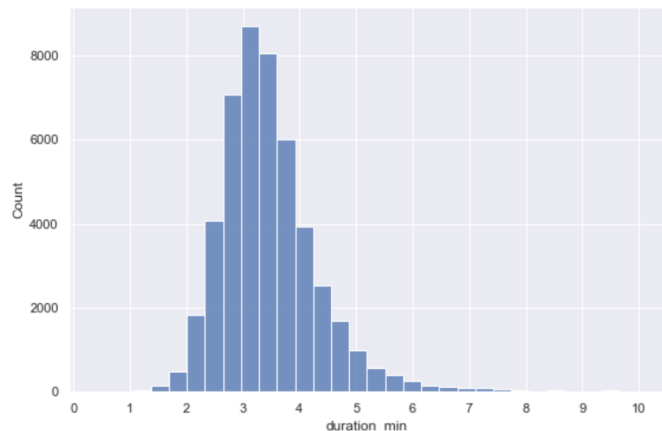
PutTracksToHDFS

PutHDFS 1.14.0
org.apache.nifi - nifi-hadoop-nar

In	0 (0 bytes)	5 min
Read/Write	0 bytes / 0 bytes	5 min
Out	0 (0 bytes)	5 min
Tasks/Time	0 / 00:00:00.000	5 min

Analiza

track_name	artist_name	track_popularity
abcdefu	GAYLE	99
All I Want for Christmas Is You	Mariah Carey	99
Enemy (with JID) - from the series Arcane League of Legends	JID	98
Enemy (with JID) - from the series Arcane League of Legends	Imagine Dragons	98
Woman	Doja Cat	97
good 4 u	Olivia Rodrigo	96
Shivers	Ed Sheeran	96
Do It To It	ACRAZE	96
Bad Habits	Ed Sheeran	96
All Too Well (10 Minute Version) (Taylor's Version) (From The Vault)	Taylor Swift	96



genres	avg_pop
barbadian pop	90.0
british invasion	89.0
merseybeat	89.0
deep underground hip hop	88.0
new orleans rap	88.0
speedrun	87.0
pittsburgh rap	86.5
ohio hip hop	85.5
funk rock	84.0
old school thrash	84.0

genres	count
pop	363
dance pop	291
latin	186
trap latino	186
pop rap	180
rap	177
funk carioca	161
tropical house	157
pop dance	144
trap	136

Aplikacja

Search

Artists belonging to the same genres

place	artist_name	followers	artist_popularity	common_genres
1	Bedoes	1172199	71	polish hip hop
2	Taco Hemingway	1171636	70	polish hip hop
3	Quebonafide	1136285	69	polish hip hop
4	Mata	1019281	78	polish hip hop
5	Paluch	819827	65	polish hip hop
6	Żabson	773988	68	polish hip hop
7	Tymek	763677	67	polish hip hop, polish alternative rap
8	Reto	701653	67	polish hip hop
9	Malik Montana	682939	71	polish hip hop
10	TACONAFIDE	667748	57	polish hip hop
...
18	Białas	407228	69	polish hip hop
19	PRO8L3M	374675	65	polish hip hop, polish alternative rap
20	Guzior	336644	64	polish hip hop

Aplikacja

Top 10 tracks

	track_name	track_popularity	duration	explicit	album_name
0	Ground Zero	64	02:58	False	Ground Zero
1	Skrable	61	04:03	False	Art Brut 2
2	Freon	58	03:51	True	Fight Club
3	GeForce	57	03:32	True	Fight Club
4	Interpol	57	03:17	False	WIDMO
5	Napad na bankiet	57	04:47	True	Wojtek Sokół
6	Ritz Carlton - Remix	55	02:51	True	Fight Club LTD
7	Flary	55	03:31	False	Ground Zero Mixtape
8	Przebój nocy	55	03:59	False	Art Brut 2
9	Molly	55	04:11	False	PRO8L3M

Aplikacja

Albums

	album_name	release_date	total_tracks	album_type
0	Cock.0z Mixtape	2021-08-26	24	album
1	Szafa	2021-05-09	1	single
2	Fight Club LTD	2021-04-30	18	album
3	Fight Club	2021-03-30	14	album
4	A2	2021-03-29	1	single
5	V	2021-02-22	1	single
6	Żar	2021-01-13	1	single
7	Backstage	2020-11-23	1	single
8	Strange Days	2020-10-14	1	single
9	Art Brut 2	2020-03-07	16	album
10	Przebój nocy	2020-03-05	1	single
11	W domach z betonu	2020-03-02	1	single
12	Koło fortuny	2020-02-19	1	single
13	Skrable	2020-01-28	1	single
14	Widmo (Instrumentals)	2019-12-24	13	album
15	Re: Małomiasteczkowy	2019-11-29	18	album

Aplikacja

← → ↻ ⓘ localhost:5000/search

Aplikacje Group Project. Krzy... zdrofit - Client Portal Wybrane algorytmy... 2021-22 Składowan...

» | Inne zakładki | Do przeczytania

Artist ID

Show report

← → ↻ ⓘ localhost:5000/report

Aplikacje Group Project. Krzy... zdrofit - Client Portal

Search

Artist ID not available in the database.

← → ↻ ⓘ localhost:5000/report

Aplikacje Group Project. Krzy... zdrofit - Client Portal

Search

Invalid artist ID.



Dziękujemy za uwagę

Agata Makarewicz & Jacek Wiśniewski

