

Getting to Know You! (GtKY!)

A Pentaho Data Integration (PDI) transformation that ingests the raw JSON data for the GtKY application API in order to profile, validate, distill, and model the API's data source objects.

===== TRANSFORMATION INFO =====

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Engine: Pentaho PDI (Kettle), v7.1.0.0
File Type: Kettle Transformation (.KTR)
File Format: XML

Source Type: Online API
Source Location: https://www.willowtreeapps.com/api/v1.0/profiles
Source Format: JSON

API Data Out1: 'output all peeps'
API Data Out2: 'output all matta'

===== VALIDATION CONDITIONS =====

BOTH of these conditions must be met in order to pass the validation requirements:

(1) IFF the final count of rows processed by the 'output all peeps' step equals that of the 'unique_peeps' step

(2) IFF the final number of rows processed by the 'output all matta' step matches that of the 'unique_matts' step

===== DESCRIPTION & PURPOSE =====

This transformation contains multiple sub-sections, and may be visually divided by both horizontal grid placement, as well as placement on the vertical grid, in addition to the evident color codes and step clusters.

Taken from left to right - considering the full vertical scale - the flow generally follows a sequential pattern of processing, with a few notable distinctions I've highlighted with differently-colored labels.

As viewed from top to bottom, with the full horizontal span in tow, there are two distinct flows - the JSON input for which is given a green label. The upper-most flow uses the given source URL as the JSON input datasource. The lower section a duplicate of the upper, but uses a local copy of the URL's JSON as the source. It differs elsewhere inasmuch as this was the flow used to profile the data and to provide end-points for the data stream absent from the upper.

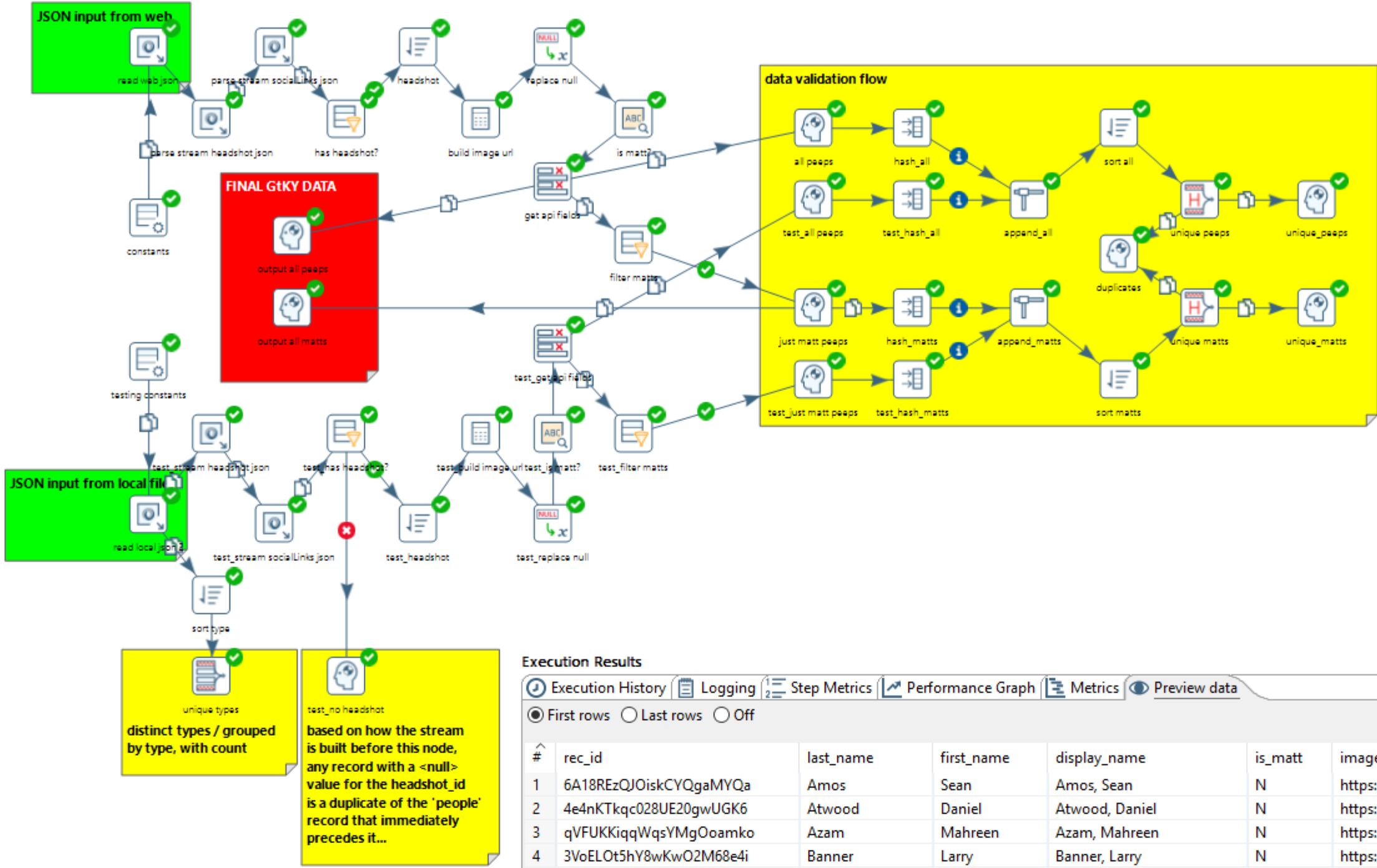
The most obvious feature of the transformation that doesn't seem to fit the general pattern is the 'data validation flow' section, which merges the outputs from both upper and lower streams into a more homogeneous combination of the two. The purpose of this section is evident by the 'unique_peeps' and 'unique_matts' nodes, the final number of rows for which serve as validation for the 'FINAL GtKY DATA' portion.

Lastly, there is the 'FINAL GtKY DATA' itself, which simply groups the two API endpoints. These two steps serve as the logical data sources for the GtKY application API.

Execution Results

Execution History | Logging | Step Metrics | Performance Graph | Metrics | Preview data

#	Stepname	Copynr	Read	Written	Input	Output	Updated	Rejected	Errors	Active	Time	Speed (r/s)	input/output
1	testing constants	0	0	1	0	0	0	0	0	Finished	0.0s	250	-
2	constants	0	0	1	0	0	0	0	0	Finished	0.0s	500	-
3	read local json 2	0	1	650	325	0	0	0	0	Finished	0.0s	40,625	-
4	read web json	0	1	325	325	0	0	0	0	Finished	0.2s	1,658	-
5	test_stream headshot json	0	325	325	325	0	0	0	0	Finished	0.0s	13,000	-
6	parse stream headshot json	0	325	325	325	0	0	0	0	Finished	0.2s	1,617	-
7	parse stream socialLinks json	0	325	325	325	0	0	0	0	Finished	0.2s	1,585	-
8	has headshot?	0	325	153	0	0	0	0	0	Finished	0.2s	1,555	-
9	test_stream socialLinks json	0	325	325	325	0	0	0	0	Finished	0.0s	11,207	-
10	test_has headshot?	0	325	325	0	0	0	0	0	Finished	0.0s	9,559	-
11	headshot	0	153	153	0	0	0	0	0	Finished	0.2s	718	-
12	build image url	0	153	153	0	0	0	0	0	Finished	0.2s	705	-
13	replace null	0	153	153	0	0	0	0	0	Finished	0.2s	692	-
14	test_headshot	0	153	153	0	0	0	0	0	Finished	0.0s	4,135	-
15	test_build image url	0	153	153	0	0	0	0	0	Finished	0.0s	3,825	-
16	test_no headshot	0	172	172	0	0	0	0	0	Finished	0.0s	4,778	-
17	test_replace null	0	153	153	0	0	0	0	0	Finished	0.0s	3,400	-
18	test_is matt?	0	153	153	0	0	0	0	0	Finished	0.0s	3,188	-
19	test_get api fields	0	153	306	0	0	0	0	0	Finished	0.1s	5,885	-
20	test_all peeps	0	153	153	0	0	0	0	0	Finished	0.1s	2,684	-
21	test_filter matts	0	153	10	0	0	0	0	0	Finished	0.1s	2,550	-
22	is matt?	0	153	153	0	0	0	0	0	Finished	0.2s	683	-
23	get api fields	0	153	459	0	0	0	0	0	Finished	0.2s	2,013	-
24	all peeps	0	153	153	0	0	0	0	0	Finished	0.2s	657	-
25	filter matts	0	153	10	0	0	0	0	0	Finished	0.2s	654	-
26	just matt peeps	0	10	20	0	0	0	0	0	Finished	0.2s	84	-
27	test_just matt peeps	0	10	10	0	0	0	0	0	Finished	0.1s	161	-
28	test_hash_all	0	153	153	0	0	0	0	0	Finished	0.1s	2,508	-
29	test_hash_matts	0	10	10	0	0	0	0	0	Finished	0.1s	149	-
30	sort type	0	325	325	0	0	0	0	0	Finished	0.0s	14,130	-
31	unique types	0	325	5	0	0	0	0	0	Finished	0.0s	12,037	-
32	hash_all	0	153	153	0	0	0	0	0	Finished	0.2s	646	-
33	hash_matts	0	10	10	0	0	0	0	0	Finished	0.2s	41	-
34	append_matts	0	20	20	0	0	0	0	0	Finished	0.5s	37	-
35	append_all	0	306	306	0	0	0	0	0	Finished	0.5s	568	-
36	sort matts	0	20	20	0	0	0	0	0	Finished	0.5s	36	-
37	unique matts	0	20	20	0	0	0	10	0	Finished	0.6s	54	-
38	unique_matts	0	10	10	0	0	0	0	0	Finished	0.6s	18	-
39	sort all	0	306	306	0	0	0	0	0	Finished	0.5s	564	-
40	unique peeps	0	306	306	0	0	0	153	0	Finished	0.5s	841	-
41	duplicates	0	163	163	0	0	0	0	0	Finished	0.6s	293	-
42	output all peeps	0	153	153	0	0	0	0	0	Finished	0.2s	659	-
43	unique_peeps	0	153	153	0	0	0	0	0	Finished	0.6s	278	-
44	output all matts	0	10	10	0	0	0	0	0	Finished	0.2s	41	-



Execution Results

Execution History | Logging | Step Metrics | Performance Graph | Metrics | Preview data

First rows | Last rows | Off

#	rec_id	last_name	first_name	display_name	is_matt	image_url
1	6A18REzQJOiskCYQgaMYQa	Amos	Sean	Amos, Sean	N	https://images.ctfassets.net/3cttzl4i3k1h/5oTPOfrAkWUSy2w6lwsuO/1b0d814ee9b435e159573c4b701eab28/headshot_sean_amos.jpg
2	4e4nK7kqC028UE20gWUGK6	Atwood	Daniel	Atwood, Daniel	N	https://images.ctfassets.net/3cttzl4i3k1h/4xObsArq6AaskQ6AcCcaKI/6b3cae5266c17dd96af018aa8870de52/3170c3b.jpg
3	qVFUKKiqqWqsYMGoOamko	Azam	Mahreen	Azam, Mahreen	N	https://images.ctfassets.net/3cttzl4i3k1h/5J4GjKSdUK6amwQASCS6eSg/5c042758ba2876cbbabdda1cacedf93e/headshot_mahreen_azam.jpg
4	3VoELOt5hY8wKwO2M68e4i	Banner	Larry	Banner, Larry	N	https://images.ctfassets.net/3cttzl4i3k1h/62w63e7xteQGgKWqyaAuAE/0f004ec0debce8a52c56bb015630f8844/Larry.jpg
5	52sUSQZIUQo0ege4wUmy4	Baranowski	Matthew	Baranowski, Matthew	Y	https://images.ctfassets.net/3cttzl4i3k1h/avLdCFJYHKqWOeagmWq6u/11b0d92856fbbba84c9da2c94f23c2c0/headshot_matt_baranowski2.jpg
6	10RbMxoaPOA6amcAoGeSC2	Batman	Elizabeth	Batman, Elizabeth	N	https://images.ctfassets.net/3cttzl4i3k1h/552Fh0Hfuf8AWsSEYmWkEwe/d009da1a01e640d39aa50b6300e7ae32/headshot_lizzie_batman.jpg
7	4lh5w7atvOgYsEggioUiCu	Batten	Angela	Batten, Angela	N	https://images.ctfassets.net/3cttzl4i3k1h/iRC8dDilRjYsAgkSo4keS/55a8612209d30f18054c7450be9c3c40/headshot_angela_batton.jpg
8	4k4kslNHqy8y02Gs22CKY	Bowles	Ashby	Bowles, Ashby	N	https://images.ctfassets.net/3cttzl4i3k1h/2f5ixOSn0AsyWaMe0mEGMs/09ef8a0e1f4838b3e5c561f88f640de7/headshot_ashby_bowles.jpg
9	2JK2zW1eG42C00wYeoC68y	Brameyer	Derek	Brameyer, Derek	N	https://images.ctfassets.net/3cttzl4i3k1h/3JSJ4RlIKjqgUuiwG6Ywq/dfbda212a041978f5abbc9efb39572be/IMG_6700.jpg
10	2eKUsaLa0UgwaCGU0uAS6W	Brear	David	Brear, David	N	https://images.ctfassets.net/3cttzl4i3k1h/4cJP5JnhFVeaYkSOos0lW/bb01455052801638881024ec31168d3f/headshot_david_brear.jpg
11	6btNXZhuo0uQSo4cYqGyO	Brown	Preston	Brown, Preston	N	https://images.ctfassets.net/3cttzl4i3k1h/3clciXPNFelaUUA4GUME0A/13db5b49dc2a746d03dbecb05501f84/headshot_preston_brown.jpg
12	6CrM4BdoI2yUmeaOAYsCA2	Brown	Rebekkah	Brown, Rebekkah	N	NA
13	7zHUnlCoY86ek8olSwYUsA	Bryant	Barry	Bryant, Barry	N	https://images.ctfassets.net/3cttzl4i3k1h/5ZUIDu3ObyWWuSQAyAQ6/c630e7f851d5adb1876c118dc4811aed/featured-image-TEST1.png
14	6qi0bxBKwYK8AimoASS2w	Bryant-Ryback	Christine	Bryant-Ryback, Christine	N	https://images.ctfassets.net/3cttzl4i3k1h/4bSE4JUXCQGOwvcWauW6S/2b89c3e592265cca936d8e4df0940ff/headshot_christine_bryant_ryback.jpg
15	4aSoSNPp5e6yAmglqAGoly	Bulka	Margo	Bulka, Margo	N	https://images.ctfassets.net/3cttzl4i3k1h/1AF68BASoKosEk0604iaQ/20f68d7bf7941a924840611221ea415/headshot_margo_bulka.jpg
16	5BEVM7wUY82AGqUuowmwmc	Cady	Jarrold	Cady, Jarrod	N	https://images.ctfassets.net/3cttzl4i3k1h/63MK8b4lVYgmma2asSKqeG/7fd1b44e861b6a3683191ed367a5d0da/jarrold.png
17	GronavKyOq6bWaWwy6ggyC	Carter	Andrew	Carter, Andrew	N	https://images.ctfassets.net/3cttzl4i3k1h/1YVnmELNlU4CgUmlWUWwQe/ddd7182245b076bed966ac732f94692b/headshot_andrew_carter.jpg
18	WMZBgojs4K2yoWGcasYci	Carter	Brandon	Carter, Brandon	N	https://images.ctfassets.net/3cttzl4i3k1h/7hsmmmYIGYooGAAQYAWuS/11fdb68353cae3d2a73db48b04ebd66/headshot_brandon_carter.jpg
19	2MJZvffY4UwCAOUGE4q8q	Casey	Roger	Casey, Roger	N	NA
20	2UUFBWewvYsyYlsc08ugWK	Casino	Tatyana	Casino, Tatyana	N	https://images.ctfassets.net/3cttzl4i3k1h/6RONTEfFICiM4a0ckskiw/2c9be82630792914b8b77bdc887d4c9/headshot_tatyana_casino.jpg
21	5o8FknMJ4kC0eouSgEcKUrm	Centofante	Peter	Centofante, Peter	N	https://images.ctfassets.net/3cttzl4i3k1h/aUQmOs9OwOlA2qAS8Yq/34c2d097fa5dd441e7f19faf4fa5f807/IMG_1182.jpg
22	4KlJvUAEmsGaaEQSQeW	Chandler	Charlie	Chandler, Charlie	N	https://images.ctfassets.net/3cttzl4i3k1h/5YCG4GQso04o0wmoW2y8C8/99cd8570b00d4175cb3d5788eb9268a1/headshot_charlie_chandler.jpg
23	5oV9G8eKisWOMOGUCo4eke	Cherry	Joseph	Cherry, Joseph	N	https://images.ctfassets.net/3cttzl4i3k1h/1yUCBofluca4muYyIsOwms/e6896398aac4889e8247059fcb58db1f/Joseph_Cherry.jpg
24	4qFhJBYHY6WgcjCAOK86m	Christian	Brittany	Christian, Brittany	N	https://images.ctfassets.net/3cttzl4i3k1h/4G8r6GkJoQGi0cgu8OaUG/b3ba537338717e0ce309679ee1ece4ba/Brittany_Headshot.jpg
25	5Nr4SiVjM4umkQe2uC88am	Cober	Erika	Cober, Erika	N	https://images.ctfassets.net/3cttzl4i3k1h/3nX4Qq4C4iowKlOY4oKEA/173d9d8b40c8897889c0a95528fcbaf/headshot_erika_cober.jpg
26	29S6nGolcE2G2uKqgkmcg	Compton	Evan	Compton, Evan	N	https://images.ctfassets.net/3cttzl4i3k1h/2FYSUbmwlI2Yq4i2Qewl/82e376360f1a22310e8a01a12e481a2/headshot_evan_compton.jpg
27	5zeP4yE3LiUk8IKCyoeEaQ	Conner	Kevin	Conner, Kevin	N	https://images.ctfassets.net/3cttzl4i3k1h/2jsQT4AK28SY6AcwQAYsmk/3427e7287bc1f6d308f78e7c03465b84/headshot_kevin_conner.jpg
28	19LPt511YuKq6qec8go68	Connor	Amanda	Connor, Amanda	N	https://images.ctfassets.net/3cttzl4i3k1h/Ed7eNECFEY2OGg8WoAE/2805a3837ce27a28a8829e605c0d0bc/Connor_Photo.jpeg
29	40rycFMu40YkMEQ8IW6s6	Cook	Abby	Cook, Abby	N	https://images.ctfassets.net/3cttzl4i3k1h/5PO8DEvsG0Wyo0iGcOq0U/6a21db753b91315ecba9852ab22723d4/abby.png
30	2Py3OXbu4MSKMAYAEiizmwY	Dawson	Matthew	Dawson, Matthew	Y	https://images.ctfassets.net/3cttzl4i3k1h/77Md1XN9m0UUS82eyMuGY/91e97bf89af939fbb723abec51898b7/headshot_matt_dawson2.jpg
31	6uLkL9vd60elmOoEGs44Is	de Wolfe	Charlotte	de Wolfe, Charlotte	N	https://images.ctfassets.net/3cttzl4i3k1h/5O6L3459egwGaoMiey2CKA/93fbc56ba2e1c636b35e020df994207/Image_uploaded_from_iOS_1_.jpg
32	XXRvkvk6KA8C0YqWaowa2	DeGroof	Amanda	DeGroof, Amanda	N	https://images.ctfassets.net/3cttzl4i3k1h/1LfMjWhfQEGS8YCA24OUCA/6069799f091ea3c0f8ce9d98a9afc224/Amanda_DeGroof.jpg
33	ZXJst3C2o6CGSeOkaMw4W	Dengel	Tobias	Dengel, Tobias	N	https://images.ctfassets.net/3cttzl4i3k1h/5TjGDrZNAcm6oW6lGCQkAs/1afd3665e9b0d3a06f433d77bcbf737f/tid.png
34	5p16RUZqGKUOCCYYIKUWe	Dinon	Christopher	Dinon, Christopher	N	https://images.ctfassets.net/3cttzl4i3k1h/39k4Tey4Ee4GiIAmEiyO/96105e8c12a30fc4f0260f2e703fb3e/Dinon.jpg
35	4YKwqsxfuuOUKQc8oiWaQ	Doyle	Frank	Doyle, Frank	N	https://images.ctfassets.net/3cttzl4i3k1h/4Qc7oYHVCgC4M2WU4klcao/9360ac59c805db9aa8bf0eacfc1f828e/headshot_frank_doyle.jpg
36	63zJxts26gkWEYkMAmsM	Dunn	Jordan	Dunn, Jordan	N	https://images.ctfassets.net/3cttzl4i3k1h/45C10icKXCMK8lAou6OeW/fcf2e2790ac4d3aadff047efc3467ab/headshot_jordan_dunn.jpg
37	35M5sRI9ekgyK6qaMOcK0	Edmonds	Morgan	Edmonds, Morgan	N	https://images.ctfassets.net/3cttzl4i3k1h/4WgB8vctLWYlqae8sUyO2m/58c10cef7a819c50bd717d72ca3b1a54/20170118-DSC_1496.png
38	7zNwpl4C3KqYqW88UWmokg	Ellis	Will	Ellis, Will	N	https://images.ctfassets.net/3cttzl4i3k1h/2JbFh4rzyK8E0lUmUceO/b28d41104e6558ec3e12e1845f1ead59/headshot_will_ellis.jpg
39	1syHN53aOVIQYWgyQwOcos	Erwin	Taylor	Erwin, Taylor	N	https://images.ctfassets.net/3cttzl4i3k1h/N8Qwmv1FGmW0wl068g/C8/e2e8a7c72479867dbdbec38931595cb27/Taylor_Erwin.jpg
40	6xn7sUFT0WlccUUs6Wsu4m	Evans	Mike	Evans, Mike	N	https://images.ctfassets.net/3cttzl4i3k1h/3Gh2foiEzukaGowa4kqG8C/bf3afb42728fd5c7ea0369c3c05a0211/headshot_mike_evans.jpg
41	2OUgVgDQ8EyuOaqqMgYK4C	Fairchild	Charles	Fairchild, Charles	N	https://images.ctfassets.net/3cttzl4i3k1h/47SK7gHeRYCOuomwmw4Ekli/4e40d27b84376ed08356d79f9e36d43/charlie.png
42	7nO7hvVsf5gimUmealoyQ	Fishwick	James	Fishwick, James	N	https://images.ctfassets.net/3cttzl4i3k1h/EDyOUYkOYglgmqsScAy0e/63a8741f72c3e473750a2534003c89fc/Fishwick.jpg
43	6fTnNvI8aQCcAiyWOGGG	Freenor	Michael	Freenor, Michael	N	https://images.ctfassets.net/3cttzl4i3k1h/5wUEFGbB6GoomcsCYmsaW/517b896f0a80c6e8fc4081a0762d5b/Freenor.jpg
44	336srt1WmlOqo06m0qog	French	Whitney	French, Whitney	N	https://images.ctfassets.net/3cttzl4i3k1h/5Jkhg0xi1ZWwKQy6sq0MaE/f2ba4b01b05a7a60c30a5e26c5684d2b/blog-featured-In_MemoriAm_Whitney_French.jpg
45	5udlAbCug8Y8yYMSaM8w0u	Friedel	Rich	Friedel, Rich	N	https://images.ctfassets.net/3cttzl4i3k1h/2VVBdMyas06mW6EWW4wgy/960f741df6e03de9e031528488b08f2f/headshot_rich_friedel.jpg
46	6wFgHqSdka4YwuiwgQogKq	Fry	Anne	Fry, Anne	N	https://images.ctfassets.net/3cttzl4i3k1h/UpvYJ4UyO04WGG0l4Em/0db7c6c5dd06290e30ceadf38f4e759/IMG_0287.jpg
47	29XgxdqmAO86mGelmqwkEK	Frye	Ben	Frye, Ben	N	https://images.ctfassets.net/3cttzl4i3k1h/35QLQYQ36oYyauC5wOYB/a65ae6620c8041b2773c1915156261d7/headshot_ben_frye.jpg
48	3fgaigpnJYGYGWWGA6lIMay	Frysinger	Robert	Frysinger, Robert	N	https://images.ctfassets.net/3cttzl4i3k1h/1RF2nRfIPq4Eu0aWsmmagg/3e95edc1fc65e6d83a72c555f013a23/robert.png
49	4NCJT13LUkK0qEIAAcg4lQ	Garrett	Joel	Garrett, Joel	N	https://images.ctfassets.net/3cttzl4i3k1h/4Mv2C30ANANym46UuwmClgK/cbeb43c93aa43a4c07b1de9954795e2/headshot_joel_garrett.jpg
50	4Dm4Je450ggyUkK00e2	Gatewood	Patrick	Gatewood, Patrick	N	https://images.ctfassets.net/3cttzl4i3k1h/1hBGKBkUisMYGwOQiyUq/936555b504d1ae795188282a3996dc5c/patrick_360.png
51	1Ojny7GBWueKEiByqMUku	Giachiero	Paul	Giachiero, Paul	N	https://images.ctfassets.net/3cttzl4i3k1h/13MHPen0AyCoGm44d08W0/216db30b4378e77b28dfdbec9e86983d/Paul.jpg
52	6meIXMwGcgGgGAo4WOUKeG	Glidewell	Todd	Glidewell, Todd	N	https://images.ctfassets.net/3cttzl4i3k1h/31VhQnHn0KcKglwIsYgms/4f1b33a54f4c14ea0f984c098002a62/headshot_todd_glidewell.jpg
53	4WJSbttNn2W02ygcQQ2o8O	Gordon	Steve	Gordon, Steve	N	https://images.ctfassets.net/3cttzl4i3k1h/3NwKAPP6MwCOOWyg4qsmuc/674013ab1db26d941b332e9884a7faa/headshot_steve_gordon.jpg
54	6KHgUliUEclO2ccyykOQgu	Gray	Matt	Gray, Matt	Y	https://images.ctfassets.net/3cttzl4i3k1h/50WnQUf7QSAmlUQeUQeY/d6088488d6e997615d599aace230e184/Matt_Gray.jpg
55	2KhtJ2Rj3aegcA6QOEiQY	Greve	Edward	Greve, Edward	N	https://images.ctfassets.net/3cttzl4i3k1h/6iRgN8vjCySQO4o8M2u/5f86a698b258d767c62a38f0478abb5d/20170113-DSC_1388.jpg
56	6DuDi3KAgyC0iACGkciyMw	Grigsby	Ryan	Grigsby, Ryan	N	https://images.ctfassets.net/3cttzl4i3k1h/4bT2XiacbumqWuAYC4cY4m/53acabf5dfb0e0b8703243f8577f35/headshot_ryan_grigsby2.jpg
57	3tGsoI06vK8qKkeayjY50c	Guevara	Adrian	Guevara, Adrian	N	https://images.ctfassets.net/3cttzl4i3k1h/AJkNzF8HfKCI0skayK2/336955258da0f3223a3c17f73272d4/adrian.png
58	4gMfPqGczCttU9u8iswq4E	Hannan	Walker	Hannan, Walker	N	https://images.ctfassets.net/3cttzl4i3k1h/4GYN0sa4Em002QmiU4o6/c6479f8d19e9175eeb17f5dcf92ba1/headshot_walker_hannan.jpg
59	1N1fKfMuUM6GvwiKEowcsw	Harris	Andrew	Harris, Andrew	N	https://images.ctfassets.net/3cttzl4i3k1h/33G0RUyS2ZGw2wQGeMoEK/9209c49185789402ea67bf495906b586/headshot_andrew_harris.jpg