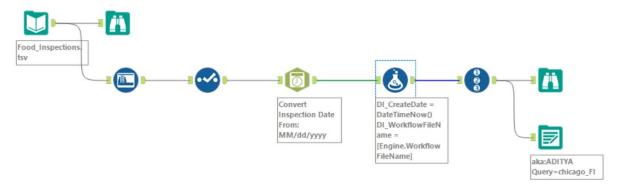
# **Chicago Food Inspection and Business Licenses**

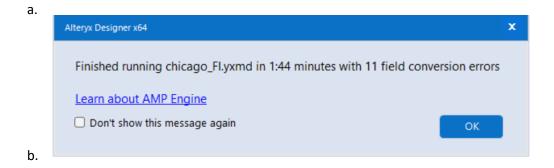
- By Team 3

# **PART - 1**

# **Food Inspection**

#### 1. Workflow for Staging Table





#### 2. DDL Script for Stage Table

a. Table Creation

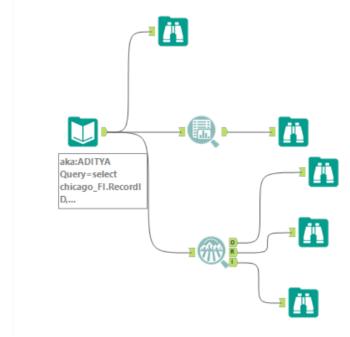
```
USE [Chicago_FI_Stage]
 SET ANSI_NULLS ON
 SET QUOTED_IDENTIFIER ON
□ CREATE TABLE [dbo].[chicago_FI](
     [RecordID] [int] NULL,
     [Inspection ID] [int] NULL,
     [DBA Name] [varchar](79) NULL,
     [AKA Name] [varchar](79) NULL,
     [License #] [int] NULL,
     [Facility Type] [varchar](47) NULL,
     [Risk] [char](15) NULL,
     [Address] [varchar](51) NULL,
     [City] [varchar](20) NULL,
     [State] [char](2) NULL,
     [Zip] [int] NULL,
     [Inspection Date] [char](10) NULL,
     [Inspection Type] [varchar](41) NULL,
     [Results] [varchar](20) NULL,
     \hbox{[Violations] [varchar](254) NULL,}\\
     [Latitude] [char](18) NULL,
     [Longitude] [char](18) NULL,
     [Location] [char](40) NULL,
     [New Inspection Date] [date] NULL,
     [DI_CreateDate] [datetime] NULL,
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 ) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
```

#### b. Workflow output in SQL Query

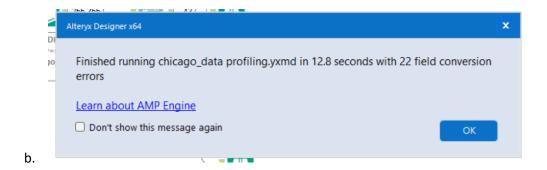
i.

00 %	- 4											
	sults pl Me	ssages										
	RecordID		DBA Name	AKA Name	License #	Facility Type	Risk	Address	City	State	Zip	Insper
	1	2569647		Sauganash Elementary School	25211	School	Risk 1 (High)	6040 N Kilpatrick (4700W) AVE	CHICAGO		60646	01/13
	2	2569435	BODEGA BAY MART	BODEGA BAY MART	2868379	Grocery Store	Risk 2 (Medium)	2007 W NORTH AVE	CHICAGO	IL	60647	01/10
	3	2568838	CM BIENESTAR	NULL	2738322	Restaurant	Risk 2 (Medium)	3057 S AVERS AVE	CHICAGO	IL	60623	12/21
	4	2568561	LA JEREZANA	LA JEREZANA	27371	Grocery Store	Risk 1 (High)	3022 E 91ST ST	CHICAGO	IL	60617	12/15
	5	2568423	QDOBA	QDOBA	2631026	Restaurant	Risk 1 (High)	5700 S DREXEL AVE	CHICAGO	IL	60637	12/13
	6	2565153	TORCHIO	TORCHIO	2560659	Restaurant	Risk 1 (High)	738 N WELLS ST	CHICAGO	IL	60654	10/12/
	7	2567972	SBARRO	SBARRO	2882176	Restaurant	Risk 1 (High)	500 W MADISON ST	CHICAGO	IL	60661	12/05
	8	2567789	EL POLLO REAL	EL POLLO REAL	2232132	Restaurant	Risk 1 (High)	3835 W 31ST ST	CHICAGO	IL.	60623	11/30/
	9	2567097	VEGAN NOW INC	VEGAN NOW	2447002	Restaurant	Risk 2 (Medium)	131 N CLINTON ST	CHICAGO	II.	60661	11/15
0	10	2567065	PARK MANOR	PARK MANOR ELEMENTARY	24841	School	Risk 1 (High)	7037 S Rhodes (532E) AVE	CHICAGO	IL	60637	11/15/
11	11	2564974	HILTON O'HARE	HILTON O'HARE/ANDIAMO'S/CAFFE MERCATO	2647047	Restaurant	Risk 1 (High)	11601 W TOUHY AVE	CHICAGO	IL.	60666	10/06/
12	12	2564327	TORCHIO	TORCHIO	2560659	Restaurant	Risk 1 (High)	738 N WELLS ST	CHICAGO	IL	60654	09/26/
13	13	2564103	DELTA SKY CLUB	DELTA SKY CLUB T5	2846062	Restaurant	Risk 3 (Low)	11601 W TOUHY AVE	CHICAGO	IL	60666	09/20
14	14	2563781	BANG BANG	BANG BANG	2146563	Restaurant	Risk 1 (High)	2051 N CALIFORNIA AVE	CHICAGO	IL	60647	09/16/
5	15	2563767	CERES' TABLE	CERES' TABLE	2137239	Restaurant	Risk 1 (High)	3124 N BROADWAY	CHICAGO	IL	60657	09/15
16	16	2562053	SUBWAY	SUBWAY	2863267	Restaurant	Risk 1 (High)	4351 W ARMITAGE AVE	CHICAGO	IL	60639	08/12/
7	17	2560591	FACEBOOK	FACEBOOK	2713271	Restaurant	Risk 1 (High)	151 N FRANKLIN ST	CHICAGO	IL	60606	07/12
18	18	2560419	CHARTWELLS	MANSUETO HIGH SCHOOL	2549059	HIGH SCHOOL KITCHEN	Risk 1 (High)	2911 W W 47TH ST	CHICAGO	IL	60632	07/07/
9	19	2557095	WOW BAO	WOW BAO	1379974	Restaurant	Risk 1 (High)	835 N MICHIGAN AVE	CHICAGO	IL	60611	06/09
09	20	2557044	PAN ARTESANAL	PAN ARTESANAL	2602146	Bakery	Risk 1 (High)	3724 W FULLERTON AVE	CHICAGO	IL	60647	06/09/
21	21	2556917	BISTRO	BISTRO	2846045	Restaurant	Risk 1 (High)	1400 S JEAN BAPTISTE POINTE DUSABLE LAKESHORE DR	CHICAGO	II.	60605	06/07/
22	22	2555982	SUBWAY	SUBWAY	1516668	Restaurant	Risk 1 (High)	66 E WASHINGTON ST	CHICAGO	IL	60602	05/18/
23	23	2555749	SOUTH COAST	SOUTH COAST SUSHI	1817424	Restaurant	Risk 1 (High)	1700 S MICHIGAN AVE	CHICAGO		60616	05/13
24	24	2555715	TAIPEI CAFE	TAIPEI CAFE	2845798	Restaurant	Risk 1 (High)	820 W BELMONT AVE	CHICAGO	IL	60657	05/12/
25	25	2555699	LA BORRA CAFE	LA BORRA CAFE	2845946	Restaurant	Risk 1 (High)	2800 N LINCOLN AVE	CHICAGO		60657	05/12/
26	26	2555646	COURTYARD BY MARRIOTT	COURTYARD BY MARRIOTT/ STARBUCKS	33501	Restaurant	Risk 3 (Low)	12 E HUBBARD ST	CHICAGO	IL	60611	05/12/
7	27	2555557	ST. EDWARD SCHOOL	ST. EDWARD SCHOOL	1878502	School	Risk 1 (High)	4343 W SUNNYSIDE	CHICAGO	11.	60630	05/11/
8	28	2555547	FESTIBOWLS	FESTIBOWLS	2797172	Shared Kitchen User (Lo	Risk 2 (Medium)	2S160 KENT RD			60137	05/10
9	29	2555284	LA TAPENADE GATE H14	LA TAPENADE (T3 H14)	2363766	Restaurant	Risk 1 (High)	11601 W TOUHY AVE	CHICAGO	IL	60666	05/04/
30	30	2555490	CHARTWELLS	NOBLE ACADEMY	2549066	School	Risk 1 (High)	1443 N Ogden AVE	CHICAGO		60610	05/10
31	31	2555535	SUBWAY	SUBWAY	1739186	Restaurant	Risk 1 (High)	100 W 87TH ST	CHICAGO		60620	05/05
12	32	2555229	FERGUSON CPC	FERGUSON CPC	2138637	School	Risk 1 (High)	1420 N HUDSON	CHICAGO		60610	05/04/
33	33	2555159	Kozminski	Kozminski	31151	School	Risk 1 (High)	936 E 54th St (5400S)	CHICAGO		60615	05/03/
34	34	2554556	THE GREAT AMERICAN BA	THE GREAT AMERICAN BAGEL (T1 B-14)	1879166	Restaurant	Risk 1 (High)	11601 W TOUHY AVE	CHICAGO		60666	04/20
5	35	2554497	WINGSTOP RESTAURANT	WINGSTOP RESTAURANT	2834884	Restaurant	Risk 1 (High)	2501 W LAWRENCE AVE	CHICAGO		60625	04/19
6	36	2554479	KENDRA'S ROLL ICE CREAM	KENDRA'S ROLL ICE CREAM	2841207	Restaurant	Risk 2 (Medium)	4309 N Milwaukee AVE	CHICAGO		60641	04/19
7	37	2554457	TAQUERIA Y RESTAURAN	TAQUERIA Y RESTAURANT LA PIRI	2283990	Restaurant	Risk 1 (High)	6102 W DIVERSEY AVE	CHICAGO		60639	04/19
8	38	2554290	LIPS RESTAURANT	LIPS RESTAURANT	2437167	Restaurant	Risk 1 (High)	2229 S MICHIGAN AVE	CHICAGO		60616	04/13
9	39	2554291	MANA	MANA	2712278	Grocery Store	Risk 2 (Medium)	434 E 71ST ST	CHICAGO		60619	04/13
10	40	2554274	LOWCOUNTRY 2	LOWCOUNTRY 2	2550380	Restaurant	Risk 1 (High)	1132 S WABASH AVE	CHICAGO		60605	04/13
11	41	2554171	RPM ITALIAN	RPM ITALIAN	2120388	Restaurant	Risk 1 (High)	52 W ILLINOIS	CHICAGO		60654	04/11/
	42	2554062	BOURBON ON DIVISION	BOURBON ON DIVISION	2369039	Restaurant		2050 W DIVISION ST	CHICAGO		60622	04/07/

## 3. Workflow for Data Profiling

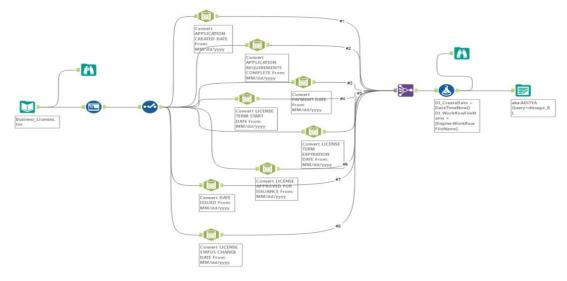


a.



# **Business Licenses**

#### 1. Workflow for Staging Table



Alteryx Designer x64

Finished running chicago\_BL.yxmd in 10:34 minutes with 11 field conversion errors

Learn about AMP Engine

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OK

# 2. DDL Script for Staging Table Creation

a. Table Creation

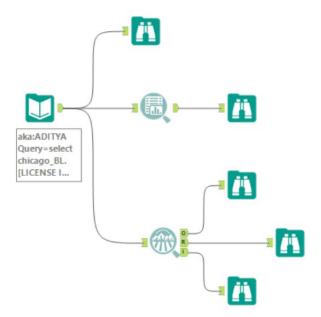
### b. Workflow output in SQL Server

i.

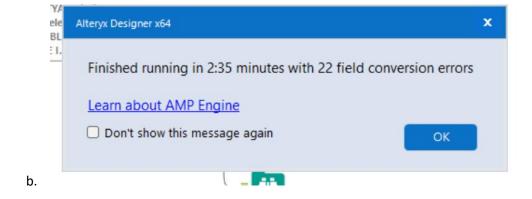
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Resulfs @ LICENS	ED 10 10 40516 4 2017-20140516 4 2009-4-201102 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10232 367648 358223 268986 400840 271808 7312556 411973 112556 411973 127256 8082 222739 411023 14164 25312 25312 25312 26987 2698	38 NULL 32 24 26 7 7 38 NULL 48 44 44 53 34 1 43 35 55 55	10 1 1 1 1 1 1 1 1 1 1	FIZZA HUT OF AMERICA, LLC WHITNEY FOODS, INC. RIMPYS RESTAUMANT, INC. JAMPIRA SINCHI OMERICA SIN	PIZZA HI FF1493 WHITNEY FOODS, INC. REUETS RESTAURANT OCICER PIAACE EALTY STA JOCULER PIAACE EALTY STA JOCULER STALLE EALTY STA JOCULER STALLE EALTY STA JOCULER STALLE EALTY STA JOCULER STALLE EALTY STALLE JOCULER ST	SAM NEULASIS RD 241 S DAMEN AVE FIRST B 3175 W HADISON ST 1 1 220 W HOWITSOE AVE 4740 N SPAULDING AVE 1 4740 N SPAULDING AVE 1 475 W DUFFREY AVE 272 S SOUTH H-GHCAGO AVE 1ST 360 1-360 N LUARK ST 1 A 2 22620 JENNING ST 5460 W EVING PARK RD 500 1-6903 S EWING AVE 401 N MIGHIGAN AVE 8 70 401 N MIGHIGAN AVE 8 70	CHICAGO	IL IL IL IL IL IL IL	60630 60608 60612 60618 60625 60639 60617 60657
LICENS 231562 212908 200914 144189 244339 263471 125505 2277520 250138 175967 182517 153580 254189 198532 148302 254181 244058 172688 1	ED 10 10 40516 4 2017-20140516 4 2009-4-201102 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10232 367648 358223 268986 400840 271808 7312556 411973 112556 411973 127256 8082 222739 411023 14164 25312 25312 25312 26987 2698	38 NULL 32 24 26 7 7 38 NULL 48 44 44 53 34 1 43 35 55 55	10 1 1 1 1 1 1 1 1 1 1	FIZZA HUT OF AMERICA, LLC WHITNEY FOODS, INC. RIMPYS RESTAUMANT, INC. JAMPIRA SINCHI OMERICA SIN	PIZZA HI FF1493 WHITNEY FOODS, INC. REUETS RESTAURANT OCICER PIAACE EALTY STA JOCULER PIAACE EALTY STA JOCULER STALLE EALTY STA JOCULER STALLE EALTY STA JOCULER STALLE EALTY STA JOCULER STALLE EALTY STALLE JOCULER ST	SAM NEULASIS RD 241 S DAMEN AVE FIRST B 3175 W HADISON ST 1 1 220 W HOWITSOE AVE 4740 N SPAULDING AVE 1 4740 N SPAULDING AVE 1 475 W DUFFREY AVE 272 S SOUTH H-GHCAGO AVE 1ST 360 1-360 N LUARK ST 1 A 2 22620 JENNING ST 5460 W EVING PARK RD 500 1-6903 S EWING AVE 401 N MIGHIGAN AVE 8 70 401 N MIGHIGAN AVE 8 70	CHICAGO	IL IL IL IL IL IL IL	60630 60608 60612 60618 60625 60639 60617 60657
LICENS 231562 212908 200914 144189 244339 263471 125505 2277520 250138 175967 182517 153580 254189 198532 148302 254181 244058 172688 1	ED 10 10 40516 4 2017-20140516 4 2009-4-201102 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	10232 367648 358223 268986 400840 271808 7312556 411973 112556 411973 127256 8082 222739 411023 14164 25312 25312 25312 26987 2698	38 NULL 32 24 26 7 7 38 NULL 48 44 45 33 34 1 43 35 55 55	10 1 1 1 1 1 1 1 1 1 1	FIZZA HUT OF AMERICA, LLC WHITNEY FOODS, INC. RIMPYS RESTAUMANT, INC. JAMPIRA SINCHI OMERICA SIN	PIZZA HI FF1493 WHITNEY FOODS, INC. REUETS RESTAURANT OCICER PIAACE EALTY STA JOCULER PIAACE EALTY STA JOCULER STALLE EALTY STA JOCULER STALLE EALTY STA JOCULER STALLE EALTY STA JOCULER STALLE EALTY STALLE JOCULER ST	SAM NEULASIS RD 241 S DAMEN AVE FIRST B 3175 W HADISON ST 1 1 220 W HOWITSOE AVE 4740 N SPAULDING AVE 1 4740 N SPAULDING AVE 1 475 W DUFFREY AVE 272 S SOUTH H-GHCAGO AVE 1ST 360 1-360 N LUARK ST 1 A 2 22620 JENNING ST 5460 W EVING PARK RD 500 1-6903 S EWING AVE 401 N MIGHIGAN AVE 8 70 401 N MIGHIGAN AVE 8 70	CHICAGO	IL IL IL IL IL IL IL	60636 60612 60612 60625 60636 60617 60657
231562 212908 200914 144189 244339 253471 125505 227520 250139 175967 182517 135380 254189 254199 126532 145300 1265418 126688 17208 172088 17	6 4877-09140516 4 212996-1414-20101271 4 2080144-20101277 7 2443397-20100327 9 1473168-2010018 1 1890-2002038 9 1473168-2010018 9 20918-50-2010318 9 20918-50-2010318	10232 367648 358223 268986 400840 271808 7312556 411973 112556 411973 127256 8082 222739 411023 14164 25312 25312 25312 26987 2698	38 NULL 32 24 26 7 7 38 NULL 48 44 45 33 34 1 43 35 55 55	10 1 1 1 1 1 1 1 1 1 1	FIZZA HUT OF AMERICA, LLC WHITNEY FOODS, INC. RIMPYS RESTAUMANT, INC. JAMPIRA SINCHI OMERICA SIN	PIZZA HI FF1493 WHITNEY FOODS, INC. REUETS RESTAURANT OCICER PIAACE EALTY STA JOCULER PIAACE EALTY STA JOCULER STALLE EALTY STA JOCULER STALLE EALTY STA JOCULER STALLE EALTY STA JOCULER STALLE EALTY STALLE JOCULER ST	SAM NEULASIS RD 241 S DAMEN AVE FIRST B 3175 W HADISON ST 1 1 220 W HOWITSOE AVE 4740 N SPAULDING AVE 1 4740 N SPAULDING AVE 1 475 W DUFFREY AVE 272 S SOUTH H-GHCAGO AVE 1ST 360 1-360 N LUARK ST 1 A 2 22620 JENNING ST 5460 W EVING PARK RD 500 1-6903 S EWING AVE 401 N MIGHIGAN AVE 8 70 401 N MIGHIGAN AVE 8 70	CHICAGO	IL IL IL IL IL IL IL	60636 60612 60612 60625 60636 60617 60657
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144189 244339 263471 125505 227520 250139 155967 182517 153580 198532 148300 2584189 244088 129658 129658 129618 244181 257192 124210 124210 124210 124318	7 1441997-200030819 7 2443397-200030819 9 1473168-20190118 3 11890-20002081 5 2591395-20161186 5 2591395-20161186 2 20038-20070181 0 3 2541993-201604189 0 3 2541993-201604087 7 1985327-20091118 7 2584187-20171025 4 2146649-20160218 1 1002398-200040181	268398 400640 271806 26887 312858 411873 272856 8062 222739 410203 14184 25312 422649 325917 206885	24 26 7 7 7 38 NULL 48 44 53 34 1 1 43 35	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	JAMERIA I SIRCHE CHEE CHEM MARIA CELALUZ ROCRIGUEZ JOHNSTON FAUNT GOLASS CHELSER ANY LEW WELLMANN DERPREDOUCTION LA NACIONAL, INC. TO AMERITANALE, INC. COLUMBIS GREL, INC. COLUMBIS GREL, INC. MAN DEE ARWESTY	GOLDER PRANCE BEAUTY SPA CAPE CHEM JACQUELINE'S FLOWER SHOP JOHISTON PRANT & GLASS HOMEPLATE DELUCES & THE DIAMOND CLUB CHELSER RAYLEW WELLMANN NIE-BO LAI MICRONAL LIQUIONS MICRONAL LIQUIONS MICRONAL PROPERTY OF MICROSCO	2820 W MONTROSE AVE 1749 N SPAULDING AVE 1 1419 W DIVERSEY AVE 9272 S SOUTH CHICAGO AVE 1ST 3001-3967 N CLARK ST 1 & 2 21626 JENNINGS DELPHOS RD 5860 W IRVING PARK RD 9001-9803 S EWING AVE 4011 N MCHICARA AVE 8 570 2444 N ELSTON AVE	CHICAGO CHICAGO CHICAGO CHICAGO CHICAGO DELPHOS CHICAGO CHICAGO	IL IL IL IL OH	60618 60628 60638 60617 60657
244339 263471 125505 2277520 250138 175567 155567 155567 155568 146300 256418 126658 127068 126405 127068 12671 247404 176269 1257192 247404 176269 1257192 1257192 1257192 1267192 1271192 12	7 2443397-20100527 9 1473168-201901189 9 1473168-201901189 0 2988459-20130918-5 5 2591395-20161205 8 1475146-2009118 2 20038-20070818 0 1220882-20041118 3 2541993-20180402 7 9075-2004516 7 2584187-20171028 1 1082894-20020818 1 1082894-20020818	400840 271808 271808 312858 411973 272856 8082 1222739 410203 14184 25312 422849 325917 20885	26 7 7 7 38 NULL 48 44 53 34 1 1 43 35 55	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CAPE CHEN MIRIA CELLALIZ ROCRIGUEZ JONESTOR PARIT & GLASS 305 GLARE, RO.  CHELSER ARVILLES WELLIAMIN DEMPERICACIONE TO THE CONTROL OF THE CON	CAFE OHIEN JACQUELINE'S FLOWER SHOP JOHNSTON PAINT'S GLASS HOMEPLATE DELUCE'S & THE DIAMOND CLUB CHELSEA REVIEW WELLMANN NIE 80 TA AMERITRADE, INC. MIDTONN ATHLETIC CLUB AND HOTEL COLUMBUS RESTAURANT'S BAR	4749 N SPAULDING AVE 1 4515 W DIVERSEY AVE 9272 S SOUTH CHICAGO AVE 1ST 3901-3957 N CLARK ST 1.6.2 20626 JENNINGS DELPHOS RD 5849 W HEVING PARK RD 9801-9803 S EWINGS AVE 401 N MICHIGAN AVE # 870 2444 N ELSTON AVE	CHICAGO CHICAGO CHICAGO CHICAGO DELPHOS CHICAGO CHICAGO	IL IL IL OH	60625 60635 60617 60657
263471 125505 227520 250138 175967 182517 1535868 254198 198532 12658 124058 124058 127068 193177 247404 176269 125118 257192 12410 187334 187334 1873	9 1473168-20100118 30 208485-20130918 30 208485-20130918 55 2591395-20161256 2 20038-20070816 2 20038-20070816 3 2541909-20180482 7 2564187-20171026 4 2146649-20160218 1 1082894-20004818	271808 26887 312658 411973 272456 8062 222739 410203 14164 25312 42249 325917 206885	7 7 38 NULL 48 44 53 34 1 43 35 55	1 1 1 1 1 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1	MARIA DELALUZ RODORIGUEZ JOHNSTON PARIA SOLASS 3056 CLARÇI INC. ONELSSER ARYLDEN WELLMANN DARFRODUCTION LANGIONAL, BIO. TO AMERITADE, BIO. TO AMERITADE, BIO. COLUMBUS GRILL, INC. JOHN DEL REWEST, LU COLUMBUS GRILL, INC.	JACQUELINE'S FLOWER SHOP JOHNSTON FAINT & GLASS HOMEPLATE DEUCES & THE DIAMOND CLUB CHELSEA RAYLENE WELLMANN NIE-BO LA HACIONAL LUQUORS TO AMERITADE, MC. MIDITOWN ATHLETIC CLUB AND HOTEL COLUMBUS RESTAURANT & BAR	4515 W DIVERSEY AVE 927 S SOUTH CHICAGO AVE 1ST 3501-3507 A LOARK ST 1 & 2 23020 JENNINGS DELPHOS RD 5849 W IRVING PARK RD 9901-9903 S EWING AVE 401 N MICHIGAN AVE # 870 2444 N ELSTON AVE	CHICAGO CHICAGO CHICAGO DELPHOS CHICAGO CHICAGO	IL IL IL OH	60636 60617 60657
125505 227520 250138 175967 182517 153580 254199 198532 148300 256418 126658 172068 193177 247404 176269 234181 257192 14210 187334 18734	3 11890-20020816 5 293139-20101208 6 1475146-20061118 2 20038-20070816 1 20088-2004118 3 2541900-20160026 7 0075-20040516 7 254187-20171028 1 1082894-20020816 1 1082894-20020816	26887 312858 411973 272856 8062 222739 410203 14184 25312 422849 325917 206885	38 NULL 48 44 53 34 1 43 35 55	1 1 1 1 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1	JOHNSTON PAINT & GLASS  3095 CLARE, IM. CHELSEA RAYLENE WELLMANN DARPRODUCTION LANGICINAL, BIN. TO AMERITADE, BIN. CHE. 2800 WEST, LLC COLUMBUS GRILL, INC. MAN DEE JEWELRY	JOHNSTON PAINT & GLASS HOREPLATE DELICES & THE DIAMOND CLUB CHELSEA RAYLENE WELLMANN NIE-80 LA HACKIONAL LIQUORS TO AMERITRADE, RIC. COLUMBUS RESTAURANT & BAR COLUMBUS RESTAURANT & BAR	9272 S SOUTH CHICAGO AVE 1ST 3501-3507 N CLARK ST 1 & 2 29262 JERNINGS DELPHOS RD 5849 W IRVING PARK RD 9901-9903 S EWING AVE 401 N MICHIGAN AVE # 870 2444 N ELSTON AVE	CHICAGO CHICAGO DELPHOS CHICAGO CHICAGO	IL IL OH	60617 60657
227520 250138 175967 1825131 153580 254199 188532 1483000 256418 244058 172068 193177 247404 178269 1257192 124210 187334 187334 187	0 2098450-20130916 5 2501395-20161252 8 1475146-20061116 2 20038-20070616 0 122088-20041160 0 122088-2004110402 7 1985527-2009116 7 6075-2040516 2 2146049-2106226 4 2146049-2106226 1 1982894-20020116	312658 411973 272656 8052 222739 410203 14164 25312 422649 325917 206885	38 NULL 48 44 53 34 1 43 35 55	1 1 1 1 1 3 1 1 1 1 1 1 2	3995 CLARK, INC. ORELSEA RAYLENE WELLMANN DARPRODUCTION LA NACIONAL, INC. TO AMERITRADE, INC. TO AMERITRADE, INC. COLUMBUS GRILL, INC. AND OEE REVERY	HOMEPLATE DEUCES & THE DIAMOND CLUB CHELSEA RAYLENE WELLMANN NIE-BD LA NACIONAL LIQUORS TD AMERITRADE, INC. MIDTOWN ATHLETIC CLUB AND HOTEL COLUMBUS RESTAURANT & BAR	3501-3507 N CLARK ST 1 & 2 23626 JENNINGS DELPHOS RD 5849 W IRVING PARK RD 9903 S EWING AVE 401 N MICHIGAN AVE #870 2444 N ELSTON AVE	CHICAGO DELPHOS CHICAGO CHICAGO	IL OH	60657
250138 175967 182517 153580 254199 198532 148300 256418 12068 172	55 2501395-20161205 8 1475146-20061116 2 20038-20970816 0 1220882-20041116 3 2541993-20180402 7 1985327-20091116 7 6075-20046516 7 2564187-20171025 4 2146649-20160216 1 1092994-20020816	411973 272656 8062 222739 410203 14164 25312 422649 325917 206885	NULL 48 44 53 34 1 43 35 55	1 1 1 1 3 1 1 1 1 1	CHELSEA RAYLENE WELLMANN DARPRODUCTION LA NACIONAL, INC. TO AMERITRADE, INC. TO A. 2020 WEST, LLC COLUMBUS GRILL, INC. JAN DEE EWELTY	CHELSEA RAYLENE WELLMANN NIE-BO LA NACIONAL LIQUORS TO AMERITRADE, INC. MIDTOWN ATHLETIC CLUB AND HOTEL COLUMBUS RESTAURANT & BAR	23626 JENNINGS DELPHOS RD 5849 W IRVING PARK RD 9901-9903 S EWING AVE 401 N MICHIGAN AVE # 870 2444 N ELSTON AVE	DELPHOS CHICAGO CHICAGO	ОН	
175967 182517 153580 254199 198532 148300 256418 244058 129658 172068 193177 247404 176269 234181 257192 124210 187334 241172	8 1475146-20061116 2 20038-20070816 2 20038-20070816 3 2541993-20180403 7 1985327-20091116 7 6075-20040516 7 2564187-20171025 4 2146649-20160216 1 1092894-20020816	272856 8082 222739 410203 14164 25312 422849 325917 208885	48 44 53 34 1 43 35	1 1 1 3 1 1 1 1 1	DARPRODUCTION LA NACIONAL, INC. TO AMERITADE, INC. TCA - 2020 WEST, LLC OOLUMBUS GRILL, INC. JAN DEE JEWELRY	NIE-BO LA NACIONAL LIQUORS TD AMERITRADE, INC. MIDTOWN ATHLETIC CLUB AND HOTEL COLUMBUS RESTAURANT & BAR	5849 W IRVING PARK RD 9901-9903 S EWING AVE 401 N MICHIGAN AVE # 870 2444 N ELSTON AVE	CHICAGO CHICAGO		45833
182517 153580 254199 188532 256418 244058 126658 172068 193177 247404 176269 234181 257192 124210 187334 241172	2 20038-20070816 0 1220882-20041116 3 2541903-20180402 7 6075-20040516 7 2564187-20171025 4 2146649-20160216 1 1092894-20020816	8062 222739 410203 14164 25312 422649 325917 208885	44 53 34 1 43 35	1 1 3 1 1 1 1 2	LA NACIONAL, INC. TD AMERITRADE, INC. TCA - 2020 WEST, LLC COLUMBUS GRILL, INC. JAN DEE JEWELRY	LA NACIONAL LIQUORS TD AMERITRADE, INC. MIDTOWN ATHLETIC CLUB AND HOTEL COLUMBUS RESTAURANT & BAR	9901-9903 S EWING AVE 401 N MICHIGAN AVE # 870 2444 N ELSTON AVE	CHICAGO	IL.	
153580 254199 198532 148300 258418 244058 129658 172088 193177 247404 176269 234181 257192 1242101 187334 241172	0 1220882-20041116 3 2541993-20180402 7 1985327-20091116 7 0075-20040516 7 2564187-20171025 4 2146649-20160216 1 1092894-20020816	222739 410203 14164 25312 422649 325917 206885	53 34 1 43 35 55	1 3 1 1 1 1 1 2	TD AMERITRADE, INC. TCA - 2020 WEST, LLC COLUMBUS GRILL, INC. JAN DEE JEWELRY	TD AMERITRADE, INC. MIDTOWN ATHLETIC CLUB AND HOTEL. COLUMBUS RESTAURANT & BAR	401 N MICHIGAN AVE # 870 2444 N ELSTON AVE			60634
254199 198532 148300 258418 244058 126658 172088 193177 247404 176268 234181 257192 124210 187334 241172	3 2541993-20180402 7 1985327-20091116 7 6075-20040516 7 2584187-20171025 4 2146649-20160216 1 1092894-20020816	410203 14164 25312 422649 325917 208885	34 1 43 35 55	3 1 1 1 1 1 2	TCA - 2020 WEST, LLC COLUMBUS GRILL, INC. JAN DEE JEWELRY	MIDTOWN ATHLETIC CLUB AND HOTEL COLUMBUS RESTAURANT & BAR	2444 N ELSTON AVE		IL.	60617
198532 148300 256418 244058 129658 172068 193177 247404 176269 234181 257192 124210 187334 241172	7 1985327-20091116 7 6075-20040516 7 2564187-20171025 4 2146649-20160216 1 1092894-20020816	25312 422649 325917 208885	1 43 35 55	1 1 1 1 2	COLUMBUS GRILL, INC. JAN DEE JEWELRY	COLUMBUS RESTAURANT & BAR		CHICAGO	IL.	6061
148300 258418 244058 126858 172068 193177 247404 176269 234181 257192 124210 187334 241172	7 6075-20040516 7 2564187-20171025 4 2146649-20160216 1 1092894-20020816	25312 422649 325917 206885	43 35 55	1 1 1 2	JAN DEE JEWELRY		651 W WASHINGTON BLVD 1ST D-E-F	CHICAGO	IL.	6064
256418 244058 126658 172068 193177 247404 176269 234181 257192 124210 187334 241172	7 2564187-20171025 4 2146649-20160216 1 1092894-20020816	422649 325917 206885	35 55	1 1 2				CHICAGO	IL	60661
244058 126658 172068 193177 247404 176269 234181 257192 124210 187334 241172	4 2146649-20160216 1 1092894-20020816	325917 206885	55	1 2	CODYS DISCIPLE LINEAN LLC	JAN DEE JEWELRY	1425 W DIVERSEY PKWY 1ST	CHICAGO	IL.	60614
126658 172068 193177 247404 176269 234181 257192 124210 187334 241172	1 1092894-20020816	208885		2	GOOD OF DISCONFEE STREETING ELECT	HOLY NAILS	4146 N LINCOLN AVE 1ST	CHICAGO	IL.	60618
172068 193177 247404 176269 234181 257192 124210 187334 241172			13		DRAUPNIR SERVICES, LLC	DRAUPNIR LLC	321 N CLARK ST 5TH	CHICAGO	IL.	60654
193177 247404 176269 234181 257192 124210 187334 241172	6 21620-20060816			1	TRI-TECH SOLUTION KAM INC	TRI-TECH SOLUTION KAM, INC	5415 S INGLESIDE AVE	CHICAGO	IL	60615
247404 176269 234181 257192 124210 187334 241172		8975	39	1	FINEST FASHIONS INC	FINEST FASHIONS INC	3433 N KNOX AVE	CHICAGO	IL.	60641
176269 234181 257192 124210 187334 241172		331590	39	1	NORTHWESTERN PEAK PERFORMANCE HEALTH CARE, LTD.	PEAK PERFORMANCE HEALTH CARE	6139 W TOUHY AVE		IL.	60646
234181 257192 124210 187334 241172			9	1	HENRI, LLC	ACANTO	18 S MICHIGAN AVE 1ST		IL.	60603
257192 124210 187334 241172			43	1	NORTH PARK HOOKAH LOUNGE, INC.	HOOKAH LOUNGE	3316 W FOSTER AVE		IL.	60625
124210 187334 241172			44	1	PROJECT DEVELOPMENT CORPORATION	TOTAL CONSTRUCTION DEVELOPMENT	5827 W HURON ST		IL.	6064
187334 241172		299710	12	5	HIGHLAND PARK CVS, L.L.C.	CVSIPHARMACY#8511	7858 S HALSTED ST	CHICAGO	IL.	60620
241172		86620	8	2	STAROPOLSKA RESTAURANT, LTD.	JOLLY INN RESTAURANT	6501 W IRVING PARK RD 1 FT/		IL.	60634
			36	2	RAVENSWOOD STATION BAR & GRILL, INC.	RAVENSWOOD STATION BAR & GRILL	4707-4709 N DAMEN AVE		IL	60625
271104			9	4	CONSTELLATION NEWENERGY, INC.	CONSTELLATION NEW ENERGY INC.	20 N WACKER DR 21 2100		IL.	60600
			16	1	PAWN CHICAGO LLC	PAWN CHICAGO	5604 W BELMONT AVE	CHICAGO		60634
218564		10688	7	1	UNCLE MIKE'S PLACE INC	UNCLE MIKE'S PLACE	1700 W GRAND AVE 1ST		IL.	60622
272420		15098	54	1	J.B.A. INC.	GIORDANO'S PIZZA	5311 S BLACKSTONE AVE	CHICAGO		60615
187083		16671	2	1	MICHOACAN FOOD PRODUCTS, INC.	MICHOACAN FOOD PRODUCTS, INC.	2117 S THROOP ST	CHICAGO		60600
200207			21	2	NOODLES PARTY INC.	NOODLES PARTY	4205 W LAWRENCE AVE 1ST	CHICAGO		60630
189007		53914	44	1	THE PRINTING SOURCE, INC.	ASAP PRINTING	3625 W DEVON AVE 1		IL.	60656
129810			6	1	MARIAN M KUSPER	CHI-TOWN HEATING & COOLING	3631 W 55TH PL		IL.	60629
146766			24	1	HANDS2CREATE INC	HANDS2CREATE INC.	3540 N BROADWAY		IL.	6065
182783			47	3	HYDE PARK INC.	HYDE PARK PET INC.	5210 S HARPER AVE		IL	60615
173685			33	1	LAWRENCE & MARINE, INC.	BP	755 W LAWRENCE AVE 1ST		IL.	60640
135981		7654	46	9	BRIDGESTONE RETAIL OPERATIONS, LLC	FIRESTONE	909 W NORTH AVE	CHICAGO		60622
135280			11	1	ELAINE AND ELI ARGAMASO	BIG E'S COFFEE LOUNGE	5131 N DAMEN AVE		IL.	60625
251220 251041	2 2204233-20170416	4229 396589	NULL 4	1	J T AMUSEMENT INC KRISTINA LEE	J T AMUSEMENT INC POSH PASTRIES	13941 KOSTNER 3611 N KIMBALL AVE		IL IL	60618

i.

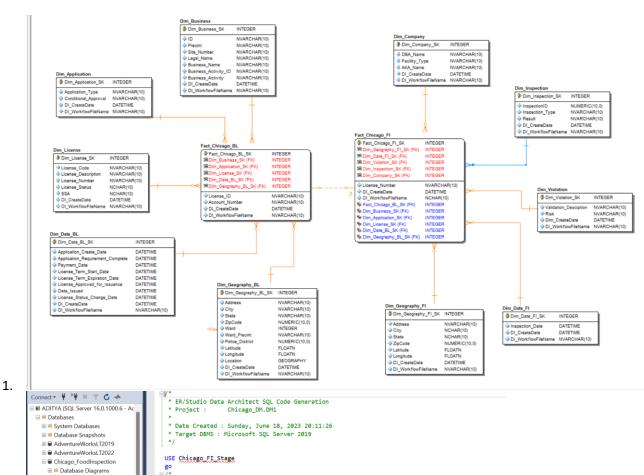
## 3. Workflow for Data Profiling



a.



<u>PART – 2</u>



```
go

* TABLE: Dim_Application
  ⊞ ■ Database Diagrams

☐ ■ Tables

    ⊞ ■ System Tables
    ⊞ ≡ FileTables

⊞ ≡ External Tables
                                        □ CREATE TABLE Dim_Application(
                                             Dim_Application_SK
Application_Type
    ⊞ = Graph Tables
                                                                                             NOT NULL,
                                                                                             NULL,
    Conditional_Approval
    ⊞ III dbo.chicago_FI_Stage
                                                                          nvarchar(10)
                                                                                             NULL,
                                              DI_CreateDate datetime NULL,
DI_WorkflowFileName nvarchar(10) NULL,
CONSTRAINT PK30 PRIMARY KEY NONCLUSTERED (Dim_Application_SK)

    ⊞ dbo.Dim Application
    ⊞ III dbo.Dim_Business
    ⊞ m dbo.Dim_Date_BL

    ⊞ dbo.Dim Date FI
                                         go
    ☐ IF OBJECT_ID('Dim_Application') IS NOT NULL

PRINT '<<< CREATED TABLE Dim_Application >>>'
    ELSE

    ⊞ dbo.Dim_Violation

                                              PRINT '<<< FAILED CREATING TABLE Dim_Application >>>'
    go
    ⊞ III dbo.Fact_Chicago_FI
  ⊞ ≡ Views
  * TABLE: Dim_Business
  ⊞ ≡ Synonyms
  ⊞ ■ Programmability
  ⊞ ■ Query Store
                                         CREATE TABLE Dim_Business(

    ■ Service Broker
                                                                           int
                                                                                             NOT NULL.
                                              Dim_Business_SK
                                                                          nvarchar(10)
nvarchar(10)
nvarchar(10)
  ⊞ = Storage
                                              ID
                                                                                             NULL,
                                              Precint

    ■ Security
⊞ ■ chinook
                                              Site_Number
                                                                                             NULL,
                                              Legal_Name
Business_Name
Business_Activity_ID
                                                                                             NULL,
                                                                           nvarchar(10)
nvarchar(10)
nvarchar(10)
⊞ 🗑 dadabi
                                                                                             NULL,
■ ■ NYC FoodInspection
                                           DI_CreateDate datetime NULL,
DI_NorHflowFileName nvarchar(10) NULL,
CONSTRAINT PK28 PRIMARY KEY NONCLUSTERED (Dim Business SK)
                                              Business_Activity
                                                                           nvarchar(10)
                                                                                             NULL,
  ⊞ ■ Database Diagrams
  ⊞ ■ System Tables
    ⊞ ≡ FileTables
```

2.

Ln 1