

Power Query Adding Characters

Adding Characters Important Because . . .



- > Data doesn't always come in the format or view we can use
- ➤ A variable may need specific number of characters to be able to combine with another data set
- ➤ Without having uniform length, you can run into sorting/searching issues or pivot table combining issues.
- ➤ Without cleaning the variable, you can arrive at incorrect results and make poor decision based on it.
- ➤ Sometimes a specific number or word/text needs to be added to a set of variable column, either at the beginning or end



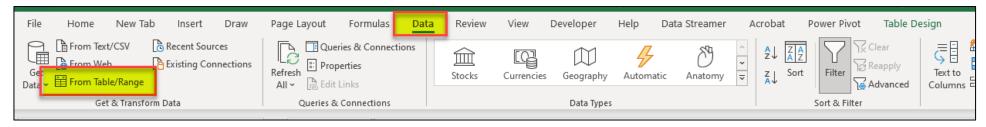
Client data is below, we created a table so it can be moved into Power Query. We are looking for Vendor Code. It's embedded in Column 2.

- 4	А	В	С	D	E	F	G	Н	1
1	Column1 🔽	Column2	Column3 ▼	Column4 💌	Column5	▼ Column6 ▼	Column7 🕶	Column8 🕶	Column9
2	Column1	Column2	Column3	Column4	Column5	Column6	Column7	Column8	Column9
3		AP Client A	OOL BRD A-P V	ENDOR HISTO	RY REPORT				PAGE 1
4			BEG. DATE 7-01-	2017	END. DATE 6-30-20	18	3		
5									
6			ı	INVOICE			CHECK	CHECK	CHECK
7		VENDOR	INVOICE#	DATE	DESCRIPTION	PO#	DATE	NUMBER	AMOUNT
8									
9									
10	505101-04204	005453 Wildflower Account	607342	8/30/2017	ELECTRICAL SERVICES	4616	3/6/2018	1234658	2887.6
11		505101-04204							
12	508007-03403	5453	608004	8/30/2017	COMPUTER EQUIPMENT	C	8/15/2017	12312357	117.17
13		508007-03403							
14								TOTAL	3004.77
15									
16	505101-04203	005453 Wildflower Account	605836	8/4/2017	ELECTRICAL SERVICES	4463	6/5/2018	1235357	7 1090
17		505101-04203							
18								TOTAL	1090
19									
20	508007-03403	005453 Wildflower Account	614229	11/11/2017	COMPUTER EQUIPMENT	C	8/15/2017	12312357	7 230.84
21		508007-03403							
22								TOTAL	230.84
23									
24	505102-03302	005453 Wildflower Account	626733	4/18/2018	HEATING SERVICES	C	4/4/2018	1234884	43.14
25		505102-03302							
26								TOTAL	43.14
27									
28								TOTAL	4368.75
29									
30									
	506014-01402	002483 ProWeb Account	118484-163263032	7/15/2017	OTHER OPERATING SUPPLIES	C	9/13/2017	1233180	199.02
32		506014-01402		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
33								TOTAL	199.02
34									223101
	506014-01402	002483 ProWeb Account	118484-11114888-011	7/26/2017	OTHER OPERATING SUPPLIES		9/13/2017	1233180	149.9
36		506014-01402	210.04 11114000 011	,,20,2017	C OI EINTING SOI FEILS		3,13,201	1255100	1451.
	506014-01402		118484-1632141644	7/26/2017	OTHER OPERATING SUPPLIES		9/13/2017	1233180	53.1
38		506014-01402	110-104-1032141044	7/20/2017	OTTEN OPENATING SUPPLIES	,	9/13/2017	1233100	, , , , , , , , , , , , , , , , , , , ,

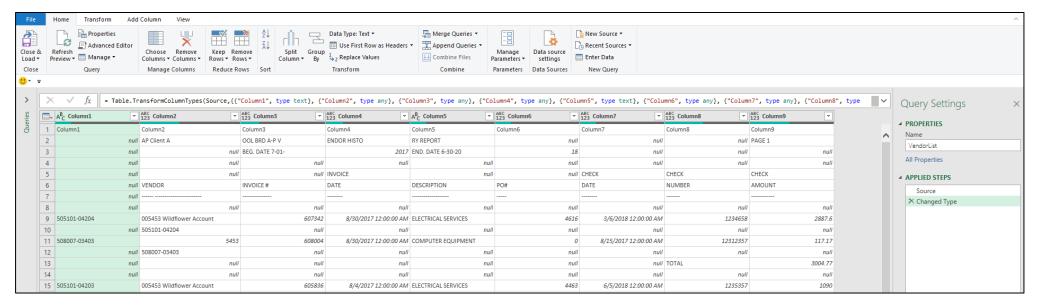


The Table is then moved into Power Query Editor and transformed.

➤ With your cursor in the table, from the Data Ribbon, select From Table/Range



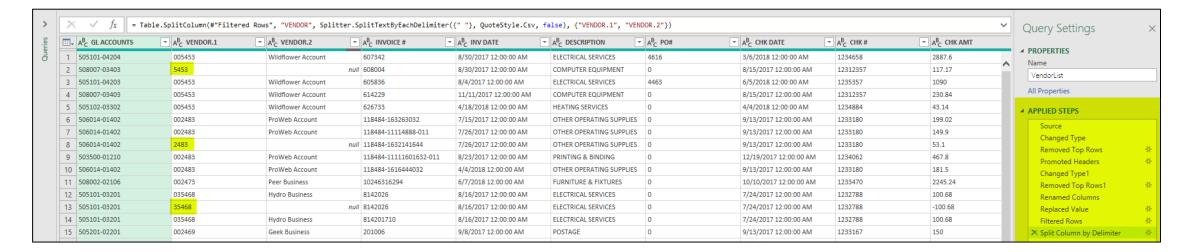
It moves into PQE





With simple clicks and selections, we have created steps where the Vendor # is in its own column. The Vendor # still isn't set up correctly:

- Vendor # should be 6 characters.
- Not all are 6 characters, so any less than 6 characters needs zeros in front of the numbers to create a 6-character number.



AKSESHEN us

There can be several steps set up add zeros at the front, but the easiest & best option is to use M-Code. M-Code is Power Query's method to "filter, combine and mash-up data from one or more supported data sources" (https://docs.Microsoft.com) While its not a click and selection, PQ does help you along with the Custom

ABC Extract •

bc Parse ▼

▼ AB VENDOR.2

Wildflower Account

= Table.AddColumn(#"Filled Down", "VENDOR #", each Text.PadStart(Text.From([VENDOR.1]),6,"0"))

Conditional Column

Index Column

🗂 Duplicate Column

▼ AB VENDOR.1

005453

Transform

■ AB GL ACCOUNTS

505101-04204

nvoke Custom

Column From

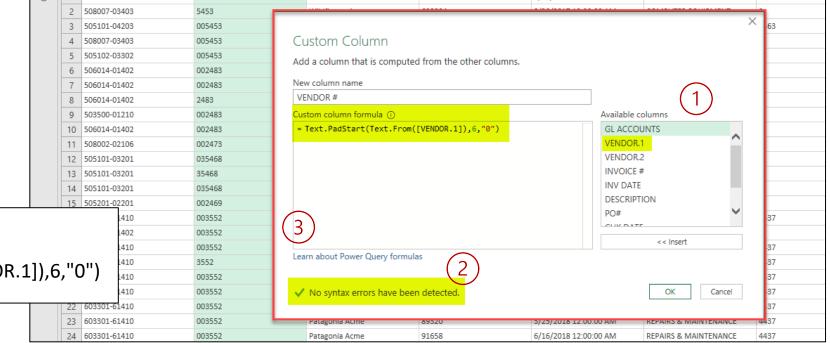
Examples *

!! + -

PQ in the Custom Column box has:

Column box.

- 1 Available columns to select from
- 2 Identifies any syntax errors.
- 3 Has link to view help on PQ formulas (M-Code)



▼ AB INVOICE #

607342

▼ AB INV DATE

8/30/2017 12:00:00 AM

▼ AB DESCRIPTION

ELECTRICAL SERVICES

▼ AB PO#

4616

Formula to Copy/Paste: Text.PadStart(Text.From([VENDOR.1]),6,"0")



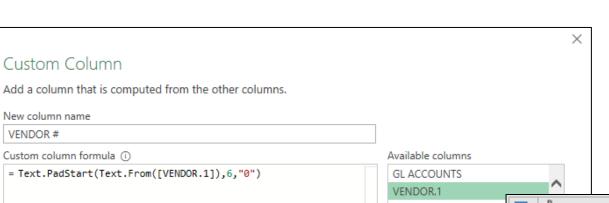
Formula to Copy/Paste:

Text.PadStart(Text.From([VENDOR.1]),6,"0")

Text.PadStart(text as nullable text, count as number, optional character as nullable text) as nullable text

Reading this left to right, adding zeros or padding means the variable must be in a TEXT format.

- For the Vendor # we want the zeros in the front, the Custom Column gives you the = equal sign to start the formula. We type in Text.PadStart (the formatting is specific, so case is important)
- Like any Excel formula there is a "(" to start capturing the data. Type in "Text.From" and then select the variable from the Available column in the Custom Column box. This says we want to take the text from VENDOR.1
- > The 6 is the number of characters needed for the text or in this case VENDOR #, we want a 6 character number
- ➤ Using the quotation marks on "0" shows that this is a text. Whenever using text in a formula, it needs to be in quotes. This "0" is the character to use to make up any differences in characters needed to make a 6 character Vendor #.



VENDOR.2 INVOICE #

INV DATE

PO# CHILDATE

DESCRIPTION

<< Insert

OK



Once the Custom Column is created, the Vendor # shows up as 6 characters. The format is not set, so will need to be changed to Text. If you change the format to a number, the zeros will disappear.

 A^B_C GL ACCOUNTS ▼ ABC 123 VENDOR# ▼ A^B_C VENDOR.1 ▼ A^B_C VENDOR.2 005453 005453 505101-04204 Wildflower Account 5453 508007-03403 005453 Wildflower Account 505101-04203 005453 005453 Wildflower Account 508007-03403 005453 005453 Wildflower Account 005453 005453 505102-03302 Wildflower Account 002483 002483 506014-01402 ProWeb Account 506014-01402 002483 002483 ProWeb Account 506014-01402 002483 2483 ProWeb Account 503500-01210 002483 002483 ProWeb Account 10 506014-01402 002483 002483 ProWeb Account 11 508002-02106 002473 002473 Peer Business 12 505101-03201 035468 035468 Hvdro Business 13 505101-03201 035468 35468 Hydro Business 14 505101-03201 035468 035468 Hydro Business 15 505201-02201 002469 002469 Geek Business 16 603301-61410 Patagonia Acme 003552 003552 503100-01402 003552 003552 Patagonia Acme 18 603301-61410 003552 003552 Patagonia Acme

The PQ Custom Column creates a new column that will show up to the far right of the data. All columns can be reordered in a step

Custom Column

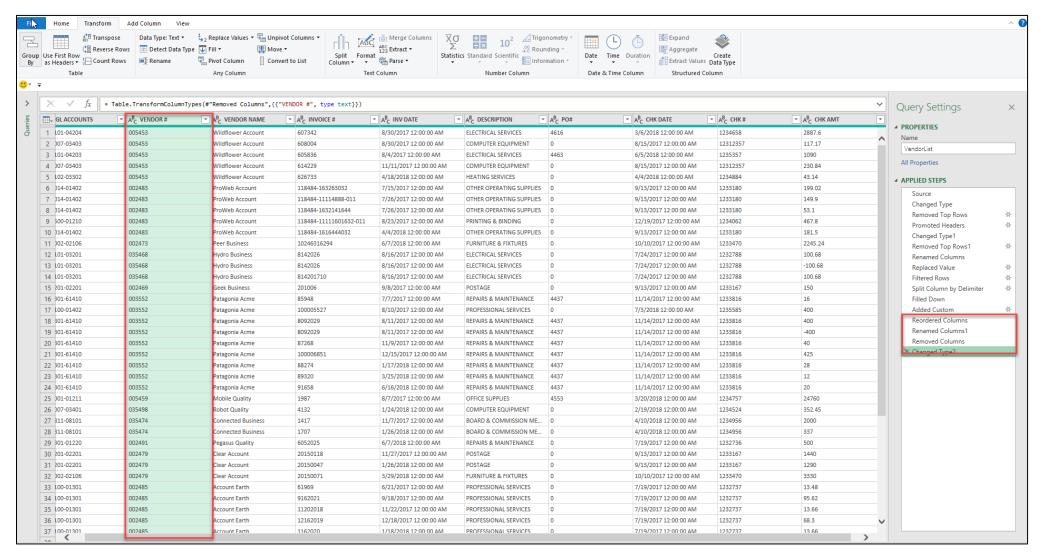
Learn about Power Query formulas

No syntax errors have been detected.

New column name VENDOR#



Adding a couple more transformation steps and we have the column in the location and the format we want. By using the PQ M-Code, we can easily set up any length variable.





The End

Questions?

Comments?