

Tech Tip

Truth in Numbers

Fraudsters can be sneaky. While there are some legitimate reasons for employees to be listed in the customer master files, there are also potential fraud scenarios that have been associated with this as well. Cross-matching street address information can be problematic due to variations in punctuation and spelling.

However, there are some @functions in IDEA that can be used to distill address data to just numbers contained in the address fields to help reduce variances and yield a higher percentage of true positives for further review.

CROSS-MATCHING ADDRESSES USING JUST NUMBERS

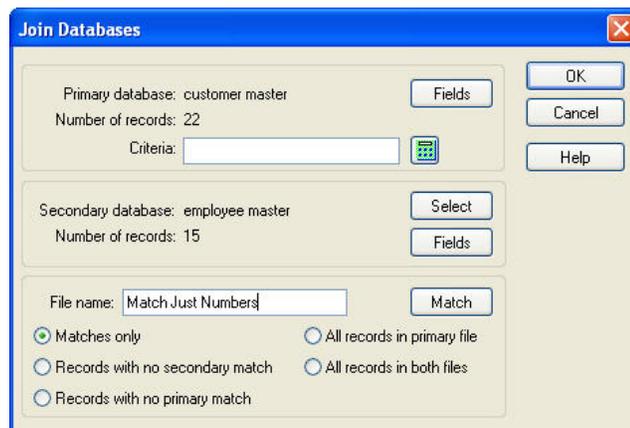
1. Open the *Customer Master.IMD* file.
2. Append a new address field called **Just_Numbers** using the following equation:
@justnumbers(Cus_Address).

	Field Name	Type	Len	Dt...	Parameter	Tag Nc...	Des
1	CUS_NUM	Character	7			<No ta...	
2	CUS_NAME	Character	25			<No ta...	
3	CREDIT_LII...	Numeric	8	0		<No ta...	
4	CUS_ADDF...	Character	20			<No ta...	
5	CUS_CITY	Character	11			<No ta...	
6	CUS_STATE	Character	2			<No ta...	
7	CUS_ZIP	Character	5			<No ta...	
8	TELEPHONE	Character	12			<No ta...	
9	TIN	Character	9			<No ta...	
10	FIRST_8_C...	Virtual char...	8		@left(@strip(@upper(cus_ad...	<No ta...	
11	JUST_NUM...	Virtual num...		0	@justnumbers(cus_address)	<No ta...	

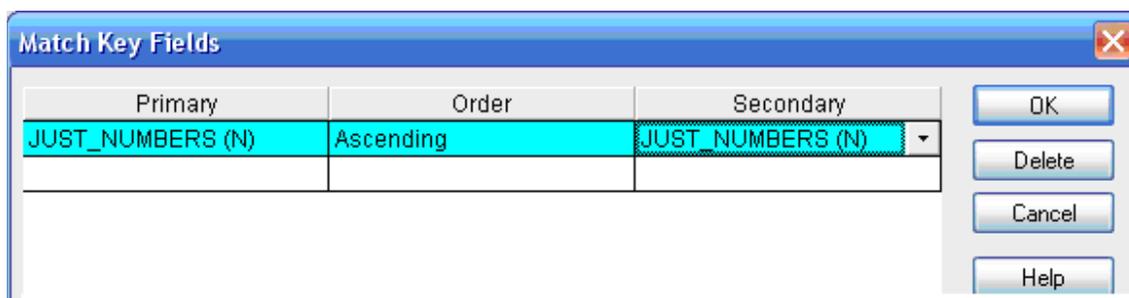
3. Open the *Employee Master.IMD* file.
4. Append a new address field called **Just_Numbers** using the following equation:
@justnumbers(Emp_Address).

	Field Name	Type	L...	C...	Parameter	Tag ...	Description
1	EMP_ADDRESS	Character	20			<No ...	
2	EMP_LAST_NAME	Character	8			<No ...	
3	EMP_NUM	Character	5			<No ...	
4	FIRST_8_CHARS	Virtual ct...	8		@left(@strip(@upper(emp_ad...	<No ...	
5	JUST_NUMBERS	Virtual.n...		0	@justnumbers(emp_address)	<No ...	

5. From the **File** menu, select **Join Databases**.



6. The *Customer Master* file should be the **Primary database**.
7. The *Employee Master* file should be the **Secondary database**.
8. Change the **File Name** to *Match Just Numbers*.
9. Click the **Match** button to select match keys.
Select the **Just_Numbers** field from both databases as the match keys.



Click **OK** to close this window.

10. Select **Matches only** as the join method to be used.

Customer Master Employee Master Match First 8 Characters Match Just Numbers

	CUS_STATE	CUS_ZIP	FIRST_8_CHARS	JUST_NUMBERS	EMP_ADDRESS	EMP_LAST_NAME	EMP_NUM	FIRST_8_CHARS1	JUST_NUMBERS1
1	IL	22451	7WALLSTR	7	7 Sunset Lane	RATCLIFF	12865	7SUNSETL	7
2	CO	22225	22WAVERL	22	22 Waverly Place	JACOBS	12859	22WAVERL	22

Working Folder: C:\Documents and Settings\HP_Administrator\Desktop\New Data File Number of Records: 2

Depending on the information available in the customer master data as well as the employee master data, analysts should consider other cross-matching opportunities. Analysts have had success cross-matching other information including tax ID numbers, customer phone numbers to employee primary and secondary phone numbers as well as cross-matching addresses to other addresses in the employee data such as the addresses of emergency contact persons.

Don't forget the 20 Minute Rule: If it takes you more than 20 minutes to utilize any IDEA function, contact the IDEA Help Desk for assistance. 888.641.2800, Option 4 • helpdesk@audimation.com