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ACL
**How to Use the Join Command
to Build a Trend Report**

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October 22, 2009



ACL: How to Use the Join Command to Build a Trend Report 10/22/2009

What is the purpose of the Join Command in ACL?

The Join command in ACL is used to combine fields from two different tables to create a third table. The third table may include matched or unmatched records from each table, or a combination of the two.

What do I need to know to join two tables and create a third table?

You must identify the “key field” in each original table. The fields that you can see in the third table which you create can be any combination of fields from the two original tables.

Join Command Requirements

- ✓ The primary and secondary table must be in the same ACL project.
- ✓ Files accessed from an ACL Client/Server System must be on the same server and accessed using the same server profile.
- ✓ Both tables **must share at least one common key field**. The field names do not need to be the same, but the common key field must describe the same data element.
- ✓ The common key fields in both tables to be joined **must be the same data type**.
- ✓ The **common key fields must be the same length**. If key fields are not the same length, use functions to harmonize them. For example, the SUBSTRING() function lets you to adjust the length and content of a character field.

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Join Command			
This procedure provides step by step instructions to create a new table using the Join Command in ACL.			
Step	Action	Menu Item	Notes
1.	Select	Data/Join Tables...	
2.	Select	In Primary Table, Select Primary Keys...	Select common field(s)
3.	Select	In Primary Table, Select Primary Fields...	Select field(s) that you would like to see on the table that you are about to create.
4.	Select	In Secondary Table, Select Secondary Keys...	Select common field(s)
5.	Select	In Secondary Table, Select Secondary Fields...	Select field(s) that you would like to see on the table that you are about to create.
6.	Select	Check Box Marked Presort Secondary Table	IMPORTANT!!!
7.	Select	Options at More Tab	
8.	Enter	Output File Name	
9.	Select	Analyze/Total Fields...	Check your results for reasonableness.

Country	January	February	March
Argentina	\$3,645.80	\$4,374.96	\$866.70
Australia	\$0.00	\$0.00	\$0.00
Austria	\$6,221.50	\$7,465.80	\$6,379.40
Belgium	\$3,558.70	\$4,270.44	\$4,049.50
Brazil	\$20,360.40	\$24,432.48	\$9,617.28
Canada	\$8,626.33	\$10,351.60	\$0.00
Denmark	\$3,343.50	\$4,012.20	\$0.00
Finland	\$0.00	\$0.00	\$1,401.00
France	\$8,026.04	\$6,420.83	\$3,864.83
Germany	\$10,294.23	\$8,235.38	\$24,378.54
Ireland	\$2,023.38	\$2,428.06	\$17,035.79
Italy	\$1,307.50	\$1,569.00	\$663.10
Japan	\$0.00	\$0.00	\$0.00
Mexico	\$514.40	\$617.28	\$539.50
Netherlands	\$0.00	\$0.00	\$0.00
Norway	\$0.00	\$0.00	\$670.00
Poland	\$0.00	\$0.00	\$587.50
Portugal	\$57.80	\$46.24	\$0.00
Singapore	\$0.00	\$0.00	\$0.00
Spain	\$3,089.64	\$2,780.68	\$3,901.46
Sweden	\$4,391.10		\$4,169.18
Switzerland	\$2,356.42		\$0.00
UK	\$9,454.85		\$1,912.00
USA	\$11,860.20		\$21,985.86
Venezuela			\$1,498.05
Total	\$99,131.79	\$77,004.94	\$103,519.69

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