

CONNX 9.0 Quick Reference Card

Using CNXPreference with CONNX data sources

CNXPreference(<# of comparison item>, <comparison item #1>, <comparison item #2>, ... <value item #1>, <output item #1>, <value item #2>, <output item #2>, ...)

The CNXPreference function enables users to prepare a SQL statement that tests multiple similar fields, in order of preference, against a list of criteria in order to return a single value.

Example File or Table Structure

File Contacts

Field Company Contact Title Phone Type 1 Phone Number 1 Phone Type 2 Phone Number 2 Phone Type 3 Phone Number 3 Address_Type_1 Address 1 Address Type 2 Address 2 Address_Type_3 Address 3

Desired Resultset

This resultset returns the contacts address and phone information. The address should be the contacts mailing address (type 'M'); if a mailing address does not exist, it uses the permanent address (type 'P'). The phone number should be their office phone number (type 'O'); if an office phone number does not exist, it uses the assistant's phone number (type 'A').

The CNXPreference SQL statement, below to the right, typed into InfoNaut – The CONNX Query Tool, returns five columns (Company, Contact, Title, Address, Phone), as shown on the following page.

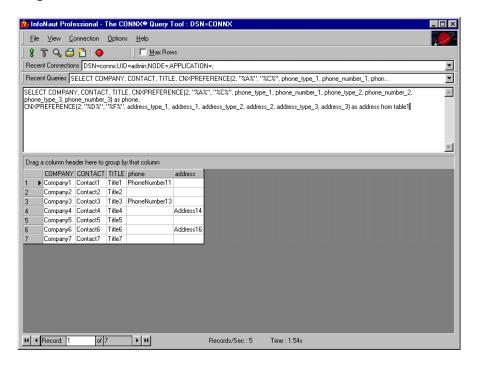
IntoNaut Professional - The CONNX® Query Tool : DSN=CONNX Elle View Connection Options Help Image: Second Connections DSN=connections DSN=connections DSN=connections. Image: Mage Rows Recent Connections DSN=connections. DESN=connections. Recent Connections SELECT COMPANY, CONTACT, TITLE, CMAPREFERENCE(2, "%A%", "%C%", phone_type_1, phone_number_1	SELECT contacts.Company, contacts.Contact, contacts.Title,
SELECT COMPANY. CONTACT. 11TLE. CNNPREFERENCE[2, "KAX", "%CX", "phone_type_1. phone_number_1. phone. type phone type_3 phone_number_3 as phone. CNXPREFERENCE[2, "%D%", "%F%", address_type_1. address_type_2. address_2. address_2. address_3] as address_3] as address_1 Drag a column header here to group by that column	cnxpreference(2, "%A%", "%C%", Phone_Type_1,Phone_Number_1, Phone_Type_2,Phone_Number_2, Phone_Type_3,Phone_Number_3) as Phone,
	cnxpreference(2, "%D%", "%F%", Address_Type_1,contacts.Address_1, Address_Type_2,contacts.Address_2, Address_Type_3,contacts.Address_3) as Address, FROM
11 T Record 1 010 9 91	Table1

CONNX Solutions, Inc. 2039 152nd Avenue NE Redmond, WA 98052 425/519-6600 www.connx.com

©CONNX Solutions, Inc., 2004. All rights reserved.

Microsoft Access is a registered trademark of Microsoft Corporation in the United States and/or other countries.

Using CNXPreference with CONNX Data Sources Page 2 of 2



Compare the above with the original table, as shown in Microsoft Access.

• 🖬 🗁	9 V 😵	00 62	🖉 🗠 🛞 😫 🕺	1 🧏 🖥 🖓 🖊 🕨	K 🗂 🕼 • 🕄 •				
Company	Contact	Title	Phone_type_1	Phone_Number_1	Phone_type_2	Phone_number_2	Phone_type_3	Phone_number_3	Address_ty
Company1	Contact1	Title1	a	PhoneNumber11	h	PhoneNumber21	0	PhoneNumber31	a
Company2	Contact2	Title2	b	PhoneNumber12	1	PhoneNumber22	p	PhoneNumber32	b
Company3	Contact3	Title3	c	PhoneNumber13	j	PhoneNumber23	q	PhoneNumber33	c
Company4				PhoneNumber14	k	PhoneNumber24	r	PhoneNumber34	d
Company5				PhoneNumber15	1	PhoneNumber25	s	PhoneNumber35	e
Company6				PhoneNumber16	m	PhoneNumber26	t	PhoneNumber36	f
Company7	Contact7	Title7	g	PhoneNumber17	n	PhoneNumber27	u	PhoneNumber37	9

Note: CNXPreference is a special CONNX function. It can only be used in CONNX views, or in passthrough queries.