AN-KEP-002 : HOW TO CONVERT A DS DATA DDE APPLICATION TO KEPDIRECT FOR PLCS

8/6/2004

This example shows how to convert a DS Data Server DDE client application to KepDirect for PLCs application. This example assumes you have already created the Link in Kepdirect. If you are using modifiers in the Client application then you will have to change the modifier when you migrate to Kepdirect for PLCs.

😹 DSData Server								1. First step is to record the
File Setup View Help								
8 N 2 N 2 N 2 N 2 N 2 N 2 N 2 N 2 N 2 N								
TestTopic	Topic/SubTopic It	em	Element	Value	Event	Time Stamp		Name in DS Data Server.
	TestTopic <	Link/PLC/DocDB>		Office405/45		12:58:52.59		Amplication Name - "DCDate"
	TestTopic SI	tatus			777	12:58:51.73		Application Name = DSData
	TestTopic E	nable			777	12:58:51.73		Tonia Nama – "TastTonia"
	TestTopic _	StatusValue			777	12:58:51.73		Topic Name – TestTopic
	TestTopic _	Xters			777	12:58:51.73		
	lest lopic	Retries				12:58:51.73		
		Errors				12:58:51.73		
		Weitec			777	12:50:51.73		
		IndateInterval		0 (1/10 sec)	Not Active	12:58:52 59		
	TestTopic te	est	V2066	- (-,,				
	TestTopic te	est1	V3000					
	TestTopic ct	en	C1					
	TestTopic ce	eleven	C0					
Ready						1	NUM //	
KEPDirect for PLCs - [C:\Program FilesMutomationDirectWEPDirect OPC Servers\Projects\ascii.opf]								2. When you create a new PLC
- P phanneli	Address Data Type Scan Rate Scaling Description							user designated Device Name.
Device1								
								In my Kendirect project it is
								In my Repareet project it is
								called "Device1"
								culture Devicer :
	<				>			
Date Time	User Name	Source E	Event		<u>^</u>			
6/28/2004 8:49:0	00 AM Default User	KEPDirect for PLCs	Starting AutomationDirect ECOM d	evice driver.				
6/28/2004 12:11: 6/28/2004 12:40:	:10 PM Default User :59 PM Default User	KEPDirect for PLCs S	Stopping AutomationDirect ECOM of CEPDirect for PLCs Server Started	levice driver.				
6/28/2004 12:40:	59 PM Default User	KEPDirect for PLCs	Opening project C:\Program Files\/	AutomationDirect\KEPDirect	t OPC Servers\Projects\-			
0 6/28/2004 12:40: 0 c/28/2004 12:40:	59 PM Default User	KEPDirect for PLCs A	AutomationDirect ECOM device driv	ver loaded successfully.				
1 6/28/2004 12:40:	59 PM Default User	AutomationDirect ECOM A	AutomationDirect ECOM Device Dri	ver V4.60.62 - U	_			
					×			
≤ Beadu				Cliente: 0	Active tage: 0 of 0			
T KEDDI (DLC	FC 10		C	Citeries: 0 p				
File Edit View Users	Tools Help	tomationDirectwcPDirect OPC	. servers erojects asch. op	1				3. From the Edit menu select
🗋 🕻 Undo 🛛 C	Undo OrH-Z い & 胎 胞 X 🐍							"Alias Man"
New Channel	Tag Name	and a second	Address Data Typ	e Scan Rate So	aling Description			· · · · · · · · · · · · · · · · · · ·
New Tag Group	Cick to	add a scalic cag. Tags are not require	d, but are prowsable by OPC clien	s.				
New Tag								
Alias Map								
Cut C	tri+X							
Copy C	itrl+C							
Delete D	el							
Properties								
L								
	<				>			
Date Time	User Name	Source E	Event		~			
6/28/2004 8:49:1 6/28/2004 12:11:	UU AM Default User :10 PM Default User	KEPDirect for PLCs S KEPDirect for PLCs S	ocarcing AutomationDirect ECOM d Stopping AutomationDirect ECOM (evice ariver. device driver.				
0 6/28/2004 12:40:	:59 PM Default User	KEPDirect for PLCs	EPDirect for PLCs Server Started					
6/28/2004 12:40: 6/28/2004 12:40:	59 PM Default User	KEPDirect for PLCs C	Opening project C:\Program Files\	AutomationDirect(KEPDirec	t OPC Servers\Projects\-			
6/28/2004 12:40:	:59 PM Default User	KEPDirect for PLCs S	Starting AutomationDirect ECOM d	evice driver.				
6/28/2004 12:40:	:59 PM Default User	AutomationDirect ECOM	AutomationDirect ECOM Device Dri	iver V4.60.62 - U				
<		10			>			
Display the alias map editor.				Clients: 0	Active tags: 0 of 0			



4. In the Alias Map screen select the ""Channel Name"_"Device Name"", and the Click the Edit Alias Icon.

5. In the Alias Map screen you can give your PLC Topic an alias the same name of the topic that was in DSData. Ex. = TestTopic Click "OK" to apply changes to server.

6. The Alias Map should show the New Topic Alias as "TestTopic" when you return to this screen. Now you can close this screen out and open your client software.

For Version 4.x/5.x KEPDirect packages using AutomationDirect drivers

In your client software you will have to change the Application Name from "DSData" to "kepdirectdde". Ex.

Old Application Name = "DSData" Old Topic Name = "TestTopic" Old PLC Address = "V2000" New Application Name = "kepdirectdde" New Topic Name = "TestTopic" New PLC Address = "V2000"

When you convert from DS Data Server to KepDirect For PLCs, the Data type modifiers will change also. The new modifiers are:

:B = @BCD :DB = @LBCD :R = @Float :D = @Dword After these changes are made, you should be able to restart you client application.

For version 5.x KEPDirect packages when using FAST DDE/Suitelink

In your client software you will have to change the Application Name from "DSData" to "kepdirectdde". Ex.

Old Application Name = "DSData" Old Topic Name = "TestTopic" Old PLC Address = "V2000" New Application Name = "server_runtime" New Topic Name = "TestTopic" New PLC Address = "V2000"