<u>Tech Note 525</u> Re-creating the Factelligence Middleware COM+ Application when the Server Name is Changed

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Introduction

This *Tech Note* guides you through the process of re-creating the Factelligence Middleware COM+ application when the Server name is changed.

Application Versions

- Wonderware® Factelligence 3.4
- . Microsoft® Windows Server 2003 and later

Procedure

You will need to go to Component Services and delete/re-create the Factelligence COM+ application. You must create the application, then install the Factelligence COM+ components.

To create a new Factelligence COM+ application

- 1. Open the Component Services window using Administrative Tools/Component Services.
- 2. Delete the existing **Factelligence** COM+ application.



Figure 1: Delete the Existing Factelligence COM+ Application

3. Click **Yes** to confirm the deletion.



Figure 2: Confirm the Deletion

4. In Component Services right-click **COM+ Application** and select **New/Application**. The **COM+ Application Install Wizard** appears.

Welcome to the COM+ Application Install Wizard



X

Figure 3: COM+ Application Install Wizard

5. Click next and select Create an empty application.

Image: Stall or Create a New Application Please choose whether you want to install a pre-built application or create an empty application. Image: Imag	me to the COM-	- Application Install Wizard	×
Image:	stall or Create a Please choose w empty applicatior	New Application whether you want to install a pre-built application or create an h.	Ś
Create an empty application. Computer: My Computer		Install pre-built application(s).	
Computer: My Computer	****	Create an empty application.	
	Computer:	My Computer	
		< Back Next >	Cancel
< Back Next > Cancel		· Electric III out /	

Figure 4: Create an Empty Application

- 6. Click Next.
- 7. Type **Factelligence** as the application name, and select the **Server application** option.

Welcome to the COM+ Application Install Wizard	×
Create Empty Application Please specify the name of the new application.	5
Enter a name for the new application:	
Factelligence	
Activation Type Library application Components will be activated in the creator's process. Server application Components will be activated in a dedicated server process.	
< <u>B</u> ack <u>N</u> ext >	Cancel

Figure 5: Name the Server Application

8. Click Next. The Set Application Identity wizard appears.

Welcome to the COM+ Application Install Wizard	×
Set Application Identity Please specify the application identity.	5
Account The application identity will be set to the following account. Components in the applic will run under this account. If you are creating more than one application, this setting applied to each application. Interactive user - the current logged on user Local Service - Built-in service account.	cation will be
O <u>N</u> etwork Service - Built-in service account with network access	
◯ <u>T</u> his user:	
User: Brow	se
Password:	
Confirm password:	
< <u>B</u> ack <u>N</u> ext>	Cancel

Figure 6: Server Application Account Identity

- 9. Select Interactive user the current logged on user or the appropriate option.
- 10. Click Next. The Add Application Roles wizard appears. The CreatorOwner role appears by default.

Welcome to the COM+ Application Install W	izard		×
Add Application Roles Please add application roles.			5
Add role.			
Roles CreatorOwner		<u>۲</u>	<u>Remove</u>
	< <u>B</u> ack	<u>N</u> ext >	Cancel

Figure 7: Add Application Role Wizard

- 11. Click Add role to add a different role, or click Next.
- 12. Click Next, then Finish.

- 1. In the Component Services window, expand the **COM+ Applications** folder and locate the Factelligence application that you created.
- 2. Expand the Factelligence folder.
- 3. Right-click the Components sub-directory and select New Component.



Figure 8: New COM+ Component Install Wizard

4. Click Next and click Install new component(s).

+ Component Install Wizard		
component component or import components that are already registered.		
Install new component(s).		
Import component(s) that are already registered. WARNING: This will not register interface and method information.		
Install new <u>e</u> vent class(es).		
Factelligence		
My Computer		
< <u>B</u> ack. <u>N</u> ext > Cancel		

Figure 9: Install New Component(s)

- Locate the Middleware directory and select all the .dlls using the Ctrl+A keys (Figure 10 below). The Middleware directory default location is C:\Program Files\wonderware\Factelligence\Middleware.
- 6. Click **Open**.

Select files to in	stall	? ×
Look jn	: 🗀 Middleware 💽 📀 🤣 📂 🖽 -	
My Recent Documents Desktop My Documents My Computer	FIBR312.dll FIWeb312.dll FICert312.dll FICore312.dll FICust312.dll FIDNC312.dll FIDNC312.dll FIEnProd312.dll FIFC312.dll FIFc312.dll FILab312.dll FILab312.dll FISPC312.dll FISPC312.dll FILab312.dll FISPC312.dll FISPC312.dll FISPC312.dll FISPC312.dll FISPC312.dll FISPC312.dll FIUserExt312.dll FIUserExt312.dll FIUserExt312.dll	
My Network	File name: "FIBR312.dll" "FICert312.dll" "FICore312.dll" "	lpen
Places	Files of type: Component Files (*.dll;*.tlb)	ancel

Figure 10: Select All Middleware .dlls

7. When the Install new components wizard appears, click Next, then Finish.

Please specify the file(s) t	that contain the co	omponents you	u want to insta	II.
Click Add to choose the f Files to install:	ile(s) that contain	the componer	its you want to) install.
File		Contents		Add
C:\Program Files\Wond C:\Program Files\Wond	lerware\Factellige lerware\Factellige	componer componer	its, typeLi its, typeLi	Remove
Components found:				
Components found:	Properties	Interfaces	nstalled	✓ Details
Components found: Component ARServer	Properties COM+	Interfaces I found 1	nstalled	<u> </u>
Components found: Component ARServer Attr	Properties COM+ COM+	Interfaces I found I found I	nstalled A	✓ <u>D</u> etails
Components found: Component ARServer Attr Attr_Set	Properties COM+ COM+ COM+ COM+	Interfaces I found I found I found I	nstalled No No No	<u> </u>
Components found: Component ARServer Attr Attr_Set Audit_Trail	Properties COM+ COM+ COM+ COM+	Interfaces I found I found I found I	nstalled A No No	✓ Details
Components found: Component ARServer Attr Attr_Set Audit Trail	Properties COM+ COM+ COM+ COM+	Interfaces I found I found I found I	nstalled A No No No No	

Figure 11: Install New Components Wizard

- 8. Wait several minutes for the components to be registered.
- 9. In the Middleware directory, double-click the **FactelligenceCFGEditor.exe** and provide the correct SQL Server network name and login permissions.
 - You must provide Adminstrator-level permissions.
 - The SQL Server is usually deployed on a different node. If it is on the same machine, you can provide **localhost** as the machine name.
 - You can click **Test** to confirm the connection.

🐂 Factelligence.cfg Editor	
File Examples	
Database Connection String	
PROVIDER=SQLOLEDB;SERVER=Tech1;L	ID=sa;PWD=wwyork;DATABASE=FIV31
Test Connection Test Results	

Figure 12: Factelligence CFG Editor

- 10. Close the CFG Editor by clicking the **X** at the upper-right.
- 11. Using the Computer Management window, locate the local **Groups** and confirm the **DistributedCOM Users** group has the permissions shown in Figure 13 (below).



Figure 13: DistributedCOM Users Group Permissions

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