OPC Installation Instructions

- 1. Go to <u>www.advosol.com</u> to download the Advasol OPC Software, in order to set up the OPC connection.
- 2. Place the mouse cursor over Downloads, located in the top toolbar on the Advosol home page, and click on Free Tools.



3. On the Free Tools page, scroll down to the tool, DA V2/V3 Simulation Server. Once you have found that, click on the link located to the far right of this row, or click here: **OPC DA** .**NET client component**.

DA V2/V3 Simulation	The server has a hierarchical item address space with static and	OPC DA .NET client component	
Server	simulated items of most simple and array data types.		

Clicking this link will take you to an information page, providing details on the OPC DA .Net Client Component Software. After reading about the program, to continue, click on 'Buy or Evaluate' at the top of the page, or 'Online Store' at the very bottom of the page. This will take you to a similar page, but at the bottom is a shopping list of sorts, where you can browse the versions of the software available, and their prices. For this example, only the free version is required. Click on 'Add to Cart' to continue.

Product	SKU	Description	Price	Order
Evaluation License	DANW-EV	The Evaluation License grants the non-exclusive right to use the enclosed software and accompanying documentation for internal evaluation and testing purposes only. It may be used on multiple computers and by multiple users but may not be re-distributed to other locations. The evaluation software is time restricted and to be restarted after 30 minutes run-time. Please read the license agreement.	\$0.00	Quantity: 1 [Add To Cart]

4. Doing this will take you to the Shopping Cart page. Here, the order can be reviewed. In this case, as the order is a free version, simply click 'Continue Checkout'.

Subtotal (Includes Disco	unts):	\$0.00
	Tax:	\$0.00
Shipping Method: Downlo	ad 💌	\$0.00
	Total:	\$0.00
Fransaction / Payment Type:	Free Evaluati	on 🔽
	ontinue Chec	kout

5. Next, the Account and Contact information must be completed. This is used to log into the site and access your personal account with <u>www.advosol.com</u>. If you already have an account with Advosol, <u>click here</u>. Also, for installation, a password is required and is sent to the email entered in the personal information.

ACCOUNT & CONTACT INFO						
Your Account & Contact Information is used to login to the site. Please save your password in a safe place.						
Your First Name / Last Name:			(required)			
Your Company:						
Your E-Mail:			(required)			
Your Personal Password:		(required)				
Your Phone:		(required)				
Your Country:	Country	💌 (i	required)			

Once the required fields have been completed, click on Continue Checkout to advance.

6. The next page is the order confirmation. On this page are the Order Number and your Customer ID. Also, there is a button to download the file. Click on it to commence the download.

Your download files for this order are: You can also download the files later by going to 'My Account' - 'My Downloads'					
Download	OPCDA.NET, Evaluation License				
The download files are EXE setup files. Some browsers add falsely a '.ZIP' extension. Store the download file with the '.EXE' file type and execute it. The setup passwords for evaluation packages are listed in the confirmation email.					

Clicking the download button brings up the following box:



Note: Some internet browsers will attempt to download the file as a .zip file. It is supposed to be a .exe file. If you have trouble, repeat all the previous steps in another internet browser. The recommended browser for this action is Internet Explorer, as Mozilla Firefox attempts to download the .exe file as a .zip file.

Click either Run or Save to download the file.

86% of Download.aspx?productid=1&variant 🔳 🗖 🔀					
🎯 🐣 🛅					
Saving: SetupDANW_Evaluation.exe from www.advosol.us					
Estimated time left 11 sec (10.5 MB of 12.3 MB copied) Download to: C:\Docu\SetupDANW_Evaluation.exe Transfer rate: 160 KB/Sec					
Close this dialog box when download completes					
penOpen FolderCancel					

7. Once the file has been saved, double click on the icon to commence installation.



Doing so will bring up the following window:



Click Run to continue with the installation.

8. Next, the product specific password must be entered. This is sent to the email detailed in the personal information section of the Advosol website, before downloading the item.

InstallAware Wizard	×
This installation is password protected. Please enter the password to begin:	
<u>OK</u> <u>Cancel</u>]

The InstallAware Wizard will then verify the contents of the setup package





9. After that is done, the following screen will appear:

Click Next to continue or Cancel to quit the Setup

10. The next window is the license agreement.



Once the Software License Agreement has been read and agreed with, click the check box to indicate acceptance of the terms, before clicking Next.

11. At the following Important Information screen click next to continue after reading.

¥	OPCDA.NET Client Component Evaluation - InstallAware Wizard 🛛 🔳 🗓	
	ReadMe File	IET NC
	Please read the following important information before continuing with setup.	
	OPCDA.NET Client Component Version V7	^
	OPCDA.NET V7 is enhanced with support for WPF applications.	
OPCDA.NET V7 is enhanced with support for WPF applications. Wrapper Assembly The wrapper Assembly OpcDaNet.DLL contains the classes with the V2 and V3 functionality. A reference to this DLL needs to be added to the .NET Windows applic that wants to access OPC DA V2/V3 servers. This is the only file that to be added to a .NET OPC DA client application. The Professional Edition additionally supports Background server - classes, ItemList Builder/Loader and improved browse/properties me Version 5.5 and higher support 64-bit operation . OPCDA.NET base applications created with Visual Studio 2005 can run in 32-bit and 64- mode.		>
	🔀 Back Next 🚺 🖾 Canc	el

12. The Next Screen denotes the components to be installed.

🎭 OPCDA.NET Client Component Evaluation - InstallAware Wizard 🛛 🔲 🕅
Select Components
Please select the program components you would like to install.
 Forms Components into Visual Studio Toolbox Visual Studio 2008 Wizards Visual Studio 2005 Wizards Visual Studio 2003 Wizards Visual Studio 2003 Wizards Visual Studio 2003 Wizards Install the Advosol 32/64-bit OPC Core Compone Install the OPC Core Componets Tools Help
Required Disk Space: 24,190 KB Disk Space Remaining: 45,958 MB
🗹 Back 🛛 Next 💟 🛛 🖾 Cancel

Individual components can be selected to be installed, or excluded from the install via the drop down box. Once the required components have been selected for install, click next to continue.

13. The Setup will then select a directory for the install. This can be manually changed to select a more suitable directory. The default directory is C:\Program Files\Advosol\OPCDA.NET Client Component Evaluation.



14. The Setup will then choose a Start Menu group. If the default group is satisfactory, click next to continue.



15. The Installation will then commence:

OPCDA.NET Clie	nt Component Evaluatio °ogress	n - InstallAwar	e Wizard 🔳	VE
Please wait wh	ile OPCDA.NET Client Compone	ent Evaluation is bei	ing installed.	
.NET applications can access all features of OPC DA V2 and V3 servers.	Net Windows / ASP OPC-DA Client Net Wrapper	OPCAE.NET .NET applications can access all features of OPC Alarms&Events servers. This component	UPCHDA.NET .NET applications can access all features of OPC Historian servers. This component can be used in combination	
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windows installer				_
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16. When the installation is complete, click Finish to exit the application.



- Server
- 1. Open the OPC DA V3 Test Client Program.
 - To do this, open the Start Menu, click on All Programs Advosol OPCDA.NET Client Component Evaluation – OPC DA V3 Test Client



2. Once the program is opened, in the top text box in the middle, type "Advasol.SimDAServer.1". Once that is done, click

😤 OPCDA.NET OPC DA V3 Tes	t Client	(c) 2004-08 A	dvosol Inc.		
File Options Credentials Error Loc	ikup Help				
Network	Browse DA3 Advoso	I.SimDAServer.1	_	Connect Disconnec	t
Read Write Groups	Get Status Properties	Browse		Desure lisers	1 🖂 All Initially
1000 Max Age 💿 Direct				browse items	
in ms C Sync					
Read C Async	Cancel			~	
Path Item Name	Value	Error	Quality	T	
				-	
<				>	
				Adv	vosol.SimDAServer.1

 Once that is done, open and sign into the Cabak Monitor Application. If you have not set up a personal Admin account, use the default username 'Admin' and password of 'password'. Go to the Points Section.

- 4. To add a new point, click on the details tab. Then, on the toolbar at the bottom, click ADD. Enter the following details for the point:
 - Interface Type: OPC
 - Alias: Type a name for the point
 - Owner: Optional (if relevant)
 - Server Address: because the server is locally hosted, the address is 127.0.0.1 or localhost
 - Connection ID: 1
 - Device Address: Advosol.SimDAServer.1
 - Point Address: SimulatedData.Random
 - Real Description: Type a description for the point
 - And any relevant information from there on, such as Alarm, Charge Rate, Log Accumulator/Digital/Alarms/Display

Once completed, click save to create the point.

5. Once the new point is created, click on the Monitor tab in the side toolbar. The point that was just created should appear, along with a fluctuating point value, if Monitoring is turned on. The point is now connected to the Simulated OPC Server.