

DataOutreach



DataOutreach is a publish/subscribe middleware from CyberXpert. DataOutreach enables MS Excel workbooks to publish (publisher) and subscribe (subscriber) real-time data using cell formulas. It is not a DDE service, still provides a flicker free, high-speed cell update. A Publisher and Subscriber can be distributed anywhere in a local area network, and data can be published and subscribed from anywhere in a workbook.

Publisher Workbook:

	A	B	C	D	E
1		<i>position</i>	<i>Publish Position</i>	<i>P & L</i>	<i>Publish P & L</i>
2	IBM	500	= do_publish (\$A2, B\$1, \$B2)	+234.56	= do_publish (\$A2, D\$1,\$D2)
3					

Subscriber workbook:

	A	B	C	D
1		<i>Position</i>	<i>P & L</i>	
2	IBM	= do_subscribe (\$A2, B\$1)	= do_subscribe (\$A2, C\$1)	
3				

System Requirements

- Operating Systems: Window XP or Windows 2000
- MS Excel: 97, 2000, XP and 2003.

Software Installation

1. Run the self-extracting software package from http://www.cyberxpert.com/downloads/DataOutreach_0_4.exe.
2. Use the default target directory *C:\Program Files\CyberXpert\DataOutreach*. If you change the target directory, please make a note of it. Henceforth, this directory will be called *<InstalledLocation>*.
3. You will be prompted for Excel Add-In installation. If you encounter any problem during this step, please manually add the following add-in *<InstalledLocation>/addin/DataOutreach.xla*

Overview


DataOutreach has two components. An addin that becomes a part of MS Excel, and DO Server that acts as a messenger between publisher and subscriber.





Execution

1. Start DOServer

DOServer acts as a messenger between MS Excel applications that publish and subscribe data. Start it from windows *Start->Programs->DataOutreach->DOServer*. When DOServer is running, either it's window will be up or an icon  will be displayed in the task bar or the tray.

2. Test Publisher and Subscriber

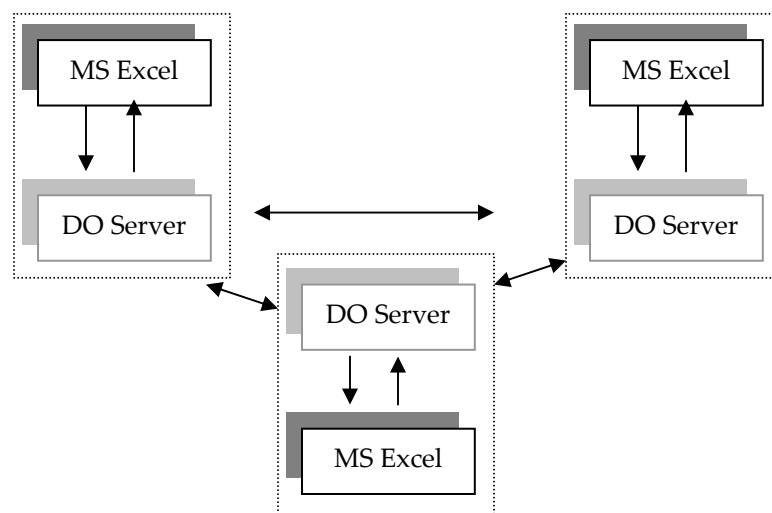
Two sample workbooks, *publisher_workbook.xls* and *subscriber_workbook.xls*, can be found under `<InstalledLocation>/demo` directory. Open both workbooks, and click on "Simulate \$ Changes" button in the *publisher_workbook.xls*. You will start seeing updates in the *Subscriber_workbook.xls*. The simulation runs for a minute, and updates every second. You can see the progress in the status bar.

3. Deploy in your Network

DataOutreach is meant for sharing data between MS Excel applications running in more than one computer. Depending on your requirement, you can define your topology.

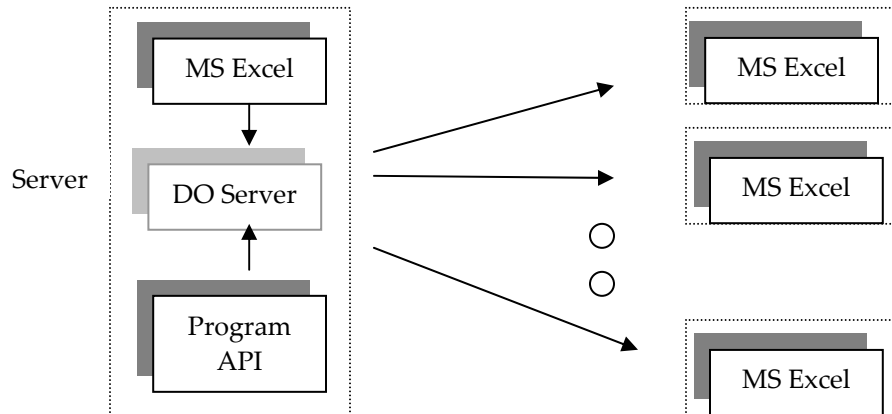
As a thumb rule, we recommend one DOServer per publisher. If a subscriber needs updates from more than one DOServer, then that subscriber needs an exclusive DOServer, which intern connects with the rest. The server configuration details are available in the user manual.

Topology 1: All users in the network contribute frequent updates. In the following diagrams, dotted square containing MS Excel, and DO Server is considered as a computer.





Topology 2: There is only one publisher, but there are many subscribers. If a subscriber needs a remote DO Server access, set the value of *server* in the configuration file <InstalledLocation>/conf/do_client.conf.



The topology can be changed as your requirement expands, and it is not limited to the above two configuration. Please refer User manual for more detail.

Uninstall

- Run uninstall from *Start -> All Programs -> CyberXpert-> DataOutreach -> Uninstall*.
- Open a MS-Excel workbook.
- From the menu bar, point to **Tools** and click **Add-Ins**. Add-In dialog box will appear.
- Disable "DataOutreach" addin.

Thank you for using DataOutreach. Feel free to contact us by email support@cyberxpert.com for any support and enhancement issues.