DSX Access Systems, Inc.
WinDSX

Version . .
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214-553-6140

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Comm Server as a Service

With WinDSX Software Versions 3.7.34 and SQL Version 4.8.6 and higher the Communications Server program CS.exe can now be run as a Service. This will allow CS.exe when configured properly to run as a Service on a PC that does not have a user logged into the Desktop.

The Communications Server program typically runs as a process in the background and is usually started by the launching of the workstation program (ws.exe) and is terminated when the workstation program is closed.

With this WinDSX upgrade you can now have the Comm Server program run as a service without having a user logged into the Windows operating system. This provides the ability for the Comm Server program to run on a manned or unmanned PC.

Below are the steps involved with setting the Communications Server program up as a service. There are several options in configuration but most will be covered in the following material.

1. You must be logged in as Administrator; you cannot install services if your login account is not Administrator.

2. Load the WinDSX or WinDSX SQL software on the PC that is to perform the Comm Server function. Configure this PC as the Comm Server.

3. Make sure Comm Server is fully operational communicating with controllers and with Client Workstations before configuring it to be a Service.

4. Copy the InstSrv.exe and SrvAny.exe programs from the Utilities folder on the distribution CD and paste them into the WinDSX directory where the software was just installed.

5. Select Start / Run / and type in CMD and press Enter. In the CMD window navigate to the WinDSX directory.
CD\WinDSX (enter)
Type in:
InstSrv DsxComm C:\WinDSX\SrvAny.exe
(or whatever the proper path is to your software installation) then press (enter). You should see "The service was successfully added." Close the CMD window.

6. Go to Start/Settings/Control Panel and select Administrative Tools/Services verify that the DsxComm service was added. It should appear in the list of services.

7. Right click on DSXComm and select properties. Change the "Startup Type" to: Automatic. Go to the Log on Tab and change the "Log On As" to a: valid profile that has the appropriate privileges for your system. Click OK to save the changes. Close Services and Administrative Tools.

8. Using "My Computer" or "Windows Explorer" browse to the Windows/System 32 folder and locate file: **RegEdt32.exe** Start the RegEdt32 program and navigate to:
HKey_Local_Machine\System\CurrentControlSet\Services\DsxComm

9. On DsxComm right click and select New/Key and name it "Parameters".

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10. Right click on Parameters and select New/String Value and give it a name of "Application". Right click on Application and select modify. In "value data" enter the full path to the CS.exe program, including the exe extension. For example: C:\WinDsx\CS.exe

11. Right click on Parameters and select New/String Value and give it a name of "AppDirectory". Right click on AppDirectory and select modify. In "value data" enter the path and directory where the CS.exe is to be used. This will always be the same path entered for the Application value above but without the \Cs.exe. For example: C:\WinDsx

12. Move back to the DsxComm key and right click on it and select New/ Reg_Multi_SZ or New/Multi-String Value and give it a name of "DependOnService".

13. Right click on DependOnService and select Modify. Enter the following: lanmanworkstation This instructs the OS to not start the comm server application until the workstation service is already running.

14. Close the registry editor and the service manager. The comm server application should now run as a service when the machine is booted. Look for the comm lights on a master panel to confirm that the comm server is running at boot up.

15. If you are going to use a shared directory on some other PC you will have to enter the database path using UNC. You cannot use a shared drive letter to refer to the database path. This also applies to the path for database backups in the Access version of Software not the SQL version.

16. In DataBase navigate to System/Setup/System Parameters – Double click on the Workstation Name and select the Yes-No Options Tab. Find "This PC is Comm Server" and de-select it by taking the check mark away and click OK to save. Close the program and restart the PC.

17. In the shared folder create a text file named DailyOps.txt . Edit the text file and place the DSX – Workstation number at the beginning of the first line. This can be the Workstation number of the Comm Server or one of the Client Workstations. The PC that is specified in the DailyOps.txt file is the one that will carry out the evaluation of start and stop dates/times assigned to the cards and the one that does the Card Holder import.

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KeyMon as a Service

The Software Key Monitor program (KeyMon.exe) supervises the presence of the USB connected Software Features Key. The USB Software Key is used exclusively by DSX to copy protect and enable some features of the WinDSX Software, SQL DataBase, Hot Swap Redundant Comm Server feature, Live (DSX) Image and Signature Capture, and DVR integration. The KeyMon.exe program and the USB Key need only to be installed on a single PC in the System for the software or enabled features to be functional on all PCs running WinDSX.

These instructions are intended as an addendum to the WinDSX installation instructions. If you have not already installed the WinDSX Software please do so now.

1. Select which PC will have the USB Key installed and will run the Software Key Monitor program. Consider that the program must be running at all times and the USB Key must be installed and recognized at all times for the protected software and features to operate properly and fully.

2. Locate the HDD32.exe in the WinDSX Folder on the PC where the USB Key is connected. Double click on the HDD32.exe to begin the install. Click Next, then Finish on the Wizard pop up screens. The system will return a message indicating the installation was successful.

3. Plug the DSX USB Software Key into a free USB port on the Computer of choice. Do not connect the USB Key until the drivers have been loaded.

4. From the WinDSX folder on the same PC that the USB Key is installed and where the HDD32.exe was just loaded find the KeyMon.exe and run it. Once the Software Key Monitor program finds the USB

Software Key, the KeyMon program will display a screen saying Status –OK. To Close KeyMon click once on the small X in the top right corner of the status screen.

5. You must be logged in as Administrator; you cannot install services if your login account is not Administrator.

6. Copy the InstSrv.exe and SrvAny.exe programs from the Utilities folder on the distribution CD and paste them into the WinDSX directory where the software was just installed.

7. Select Start / Run / and type in CMD and press Enter. In the CMD window navigate to the WinDSX directory. CD\WinDSX (enter)
Type in: InstSrv DsxKey c:\WinDSX\SrvAny.exe (or whatever the proper path is to your software installation). Then press Enter. You should see "The service was successfully added." Close the CMD window.

8. Go to Start/Settings/Control Panel and select Administrative Tools/Services verify that the DsxKey service was added. It should appear in the list of services.

9. Right click on DSXKey and select properties. Change the "Startup Type" to: Automatic. Go to the Log on Tab and change the "Log On As" to a: valid profile that has the appropriate privileges for your system. Click OK to save the changes. Close Services and Administrative Tools.

10. Using "My Computer" or "Windows Explorer" browse to the Windows/System 32 folder and locate file: **RegEdt32.exe** Start the RegEdt32 program and navigate to:
HKey_Local_Machine\System\CurrentContr olSet\Services\DsxKey

11. On DsxKey right click and select New/Key and name it "Parameters".

12. Right click on Parameters and select New/String Value and give it a name of "Application". Right click on Application and select modify. In "value data" enter the full path to the KeyMon.exe program, including the exe extension. For example: C:\WinDsx\KeyMon.exe

13. Right click on Parameters and select New/String Value and give it a name of "AppDirectory". Right click on AppDirectory and select modify. In "value data" enter the path and directory where the KeyMon.exe is to be used. This will always be the same path entered for the Application value above but without the \KeyMon.exe.   For example: C:\WinDsx

14. Move back to the DsxKey -key and right click on it and select New/Reg_Multi_SZ or New/Multi-String Value and give it a name of "DependOnService".

15. Right click on DependOnService and select Modify. Enter the following: lanmanworkstation . This instructs the OS to not start the KeyMon application until the workstation service is already running.

16. Close the registry editor and the service manager. The KeyMon application should now run as a service when the machine is booted. Access the Key monitored features to confirm that the KeyMon service is running at boot up.

17. If you are going to use a shared directory on some other PC you will have to enter the database path using UNC. You cannot use a shared drive letter to refer to the database path. This also applies to the path for database backups in the Access version of Software not the SQL version.