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# Distrabution Server How2

Version 4. 0

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## Revision History

Name	Date	Reason For Changes	Version
MDH	12-Jul-10	Initial document	0.1
MDH	15-Jul-10	Included Partial Distribution	1.0
MDH	30-Jul-10	Corrected GSM Error.	2.0
MDH	19-Oct-10	FTP Distribution	3.0
MDH	6-Dec-10	Added Example Images	4.0

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## 1. General

SCS\_DistServer synchronizes databases of the Softcon SoftWin3 range of programs. It can be installed and run on any PC running SoftWin3 programs as required and requires a link to the program SCS\_Server that interfaces to the system databases.

SCS\_DistServer communicates with SCS\_Server program on other systems via TCP or dial-up modem communication links, synchronizing edited data, audit and log files. Alarms can also be transferred on occurrence. Data is synchronized on request or on a preset schedule, as set in the dB Distr schedule.

Data file changes are synchronized via the audit files, which are created automatically (requires SCS\_Server.exe to be started with the parameter /audit) when data is edited or when converters are run with the audit setting.

The synchronization is done in 4 steps:

When audit files are processed, 2 fields are added to the daily audit file, namely source host and DT scheduler that sets the PC where the change was made and when the data was process by the Distr server.

The created compressed file names are automatically allocated and contain file type and date/time information. The files that are created are stored in the directories c:\softwin3\temp\pc\_name\out and the files are sent or fetched to the directory c:\softwin3\temp\pc\_name\in. Files have the extension .DST.

There is at least one .DST file for a log/audit file and the name is as follows:

When a Filtered option is selected, only the last change of a data field is contained in the .DST file. Filtering has the advantage that the file sizes are reduced. Filtered is not used when an audit of all changes (not only last) is required. Only the latest change of a field is stored in to the data file databases, irrespective of whether filtered is selected or not.

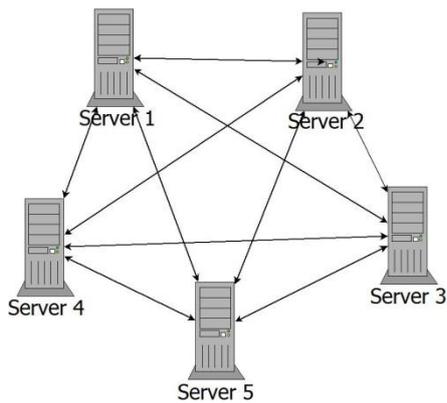


Figure 1: Meshed Setup

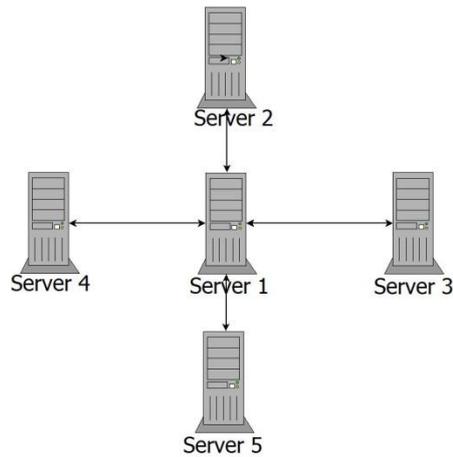


Figure 2: Central Server

## 2. Setup

There are three methods used in SCS\_Distribution. Each has its own set of features and benefits. These are Ethernet, GSM modem, and FAX/DATA modem. Many of the settings are shared; however each has a unique setting. Below are the setups for each communication method.

### a. Ethernet (TCP/IP)

- i. Click setup, setup editor, dB Distr PC
  1. Under name fill in each of the PC's that will be running Softcon software (SCS)
  2. Master DT: this field allows the synchronisation of the time across the SCS system. Typically the server for each client would be selected here.

Ref	Name	Master DT
1	Server 1	Server 1
2	Server 2	Server 2
3	Client 1	Server 1
4	Client 2	Server 2
5		

Figure 3: dB Distr PC

- ii. Click Setup, Setup editor, dB Distr Set-up.
  1. Each Distribution PC must be listed here as both the source and destination, as well as having a unique Port number.
  2. Under PC DEST select the destination PC/s.
  3. Under PC SRC select the source PC/s.
  4. Under Port SRC type in the port number. The SCS applications use port 2555 through to 2567 for communication with the

SCS\_Server.exe. As a result these port numbers cannot be used here. Typically ports 2777 through to 2780 are used here.

5. Under Conn Type ensure that Ethernet is selected.
6. Under Audit DB Date, Audit DB Ref, Log DB Date, and Log DB Ref: ensure that these fields are empty. Once distribution is run for the first time they will have data in them, but for the first run they must be empty.
7. If things like Card Photos, Document files, Fingerprints, And signature files need to be distributed, then Double click in Audit extras:
  - a. A box will pop up. Select the extras that need to be distributed and click OK.

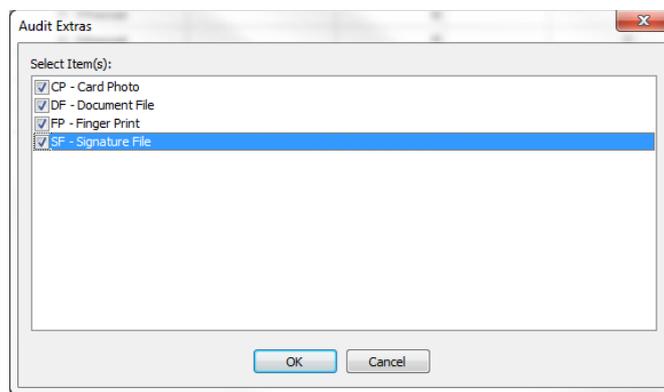


Figure 4: Audit Extras

8. Under Output Type ensure that Distribution Files is selected. These files are much smaller that database files and therefore impact the network less. Database files could be used but are much larger and less secure.

	PC DEST	PC SRC	Port SRC	Conn Type	Audit DB Date	Audit DB Ref	Log DB Date	Log DB Ref	Audit Extras	Output Type
1	Server 2	Server 1	2777	Ethernet	2010/07/12	182	2010/07/13	13	CP,DF,FP,SF	Distribution Files
2	Michael-pc	softcontest	2778	Ethernet		0		0		Distribution Files
3	none	none	0	Ethernet		0		0		Distribution Files
4	none	none	0	Ethernet		0		0		Distribution Files
5	none	none	0	Ethernet		0		0		Distribution Files
6	none	none	0	Ethernet		0		0		Distribution Files
7	none	none	0	Ethernet		0		0		Distribution Files

Figure 5: dB Distr Set-up

9. Once the settings are correct the 'Listener service' will automatically start. To check this locate the 'start listener service'  icon in the tool bar. It should be greyed out.
- iii. Click setup, setup editor, dB Distr RemoteAlarm
  1. Under Local PC select the Local distribution PC. This must be done for all Distribution PC's

2. Under Remote PC select the Remote distribution PC. This must be done for all Distribution PC's
3. Under Operation select Display, Update, EV, Log. This will display in main activity when distribution is run (Success or Fail), Update the databases with the correct Information, Execute events if needed, and log the distribution events (Success or fail). A mix of the options is available.
4. Under Execute now select yes or no.
  - a. Yes: execute the remote alarm when distribution is run
  - b. No: don't execute the remote alarm when distribution is run

Ref	Local PC	Remote PC	Operation	Execute Now
1	Michael-pc	softcontest	Display,Update,Ev,Log	Yes
2	softcontest	Michael-pc	Display,Update,Ev,Log	Yes
3	none	none	None	Yes

**Figure 6: dB Distr RemoteAlarm**

- iv. Click Setup, Setup editor, dB Distr Schedule
  1. Executor: This is the PC that will perform the task
  2. To/From: This is the intended PC for which the task is for
  3. Operation:
    - a. Audit Create: Creates a compressed file of audit data.
    - b. Audit Fetch: Copies the compressed audit files previously created by a create operation from the remote PC
    - c. Audit Process: Uncompress the audit files and adds the data to the daily audit files, which adds the data to the databases.
    - d. Audit Send: Sends files created by an audit create to a destination PC.
    - e. Audit Filter Options: When a Filtered option is selected, only the last change of a data field is contained in the .DST file. Filtering has the advantage that the file sizes are reduced. Filtered is not used when an audit of all changes (not only last) is required. Only the latest change of a field is stored in to the data file databases, irrespective of whether filtered is selected or not.
    - f. Log Create: Creates a compressed file of log data.
    - g. Log Fetch: Copies the compressed log files previously created by a create operation to the remote PC
    - h. Log Process: Uncompress the log files and adds the data to the daily log files.
    - i. Log Send: Sends files created by a log create to a destination PC.

4. Sequence: Indicates the next reference that must be run. This cannot be done when the next reference executor is another PC.
5. Complete: Indicates whether or not the next task will run based on whether the previous task was successful.
6. Start DT: the next run date and time for the task. This can be used in conjunction with sequence to execute the tasks.
7. Period DT: the frequency that the task will run. YYYY-MM-DD HH:mm
8. Last DT: the last run time for the task. This will be updated by the system.
9. Skip Missed: if for some reason the schedule is missed must SCS run all the missed transactions
10. Log enabled: this will log all the transactions. Success or failure.

Reference	Executor	To/From	Operation	Sequence	Complete	Start DT	Period DT	Last DT	Skip missed	Log Enabled
1	Server 1	Server 2	Audit Fetch	2	No	2010/07/13 10:08:00	yyyy-mm-dd hh:20	2010/07/12 16:48:01	Yes	Yes
2	Server 1	Server 2	Audit Process	3	No		yyyy-mm-dd hh:mm	2010/07/12 16:48:10	Yes	Yes
3	Server 1	Server 2	Audit Create	4	No		yyyy-mm-dd hh:mm	2010/07/12 16:48:14	Yes	Yes
4	Server 1	Server 2	Audit Send	5	No		yyyy-mm-dd hh:mm	2010/07/12 16:48:14	Yes	Yes
5	Server 1	Server 2	Log Fetch	6	No		yyyy-mm-dd hh:mm	2010/07/12 16:48:17	Yes	Yes
6	Server 1	Server 2	Log Process	7	No		yyyy-mm-dd hh:mm	2010/07/12 16:48:26	Yes	Yes
7	Server 1	Server 2	Log Create	8	No		yyyy-mm-dd hh:mm	2010/07/12 16:48:29	Yes	Yes
8	Server 1	Server 2	Log Send	9	No		yyyy-mm-dd hh:mm	2010/07/12 16:48:29	Yes	Yes
9	Server 1	Server 2	Ext Fetch	10	No		yyyy-mm-dd hh:mm	2010/07/12 16:48:35	Yes	Yes
10	Server 1	Server 2	Ext Process	11	No		yyyy-mm-dd hh:mm	2010/07/12 16:48:44	Yes	Yes
11	Server 1	Server 2	Ext Send	0	No		yyyy-mm-dd hh:mm	2010/07/12 16:48:44	Yes	Yes
12	none	none	None	0	No		yyyy-mm-dd hh:mm		Yes	Yes
13	Server 2	Server 1	Audit Process	14	No	2010/07/12 11:08:30	yyyy-mm-dd hh:20		Yes	Yes
14	Server 2	Server 1	Audit Create	15	No		yyyy-mm-dd hh:mm		Yes	Yes
15	Server 2	Server 1	Log Process	16	No		yyyy-mm-dd hh:mm		Yes	Yes
16	Server 2	Server 1	Log Create	17	No		yyyy-mm-dd hh:mm		Yes	Yes
17	Server 2	Server 1	Ext Process	0	No		yyyy-mm-dd hh:mm		Yes	Yes

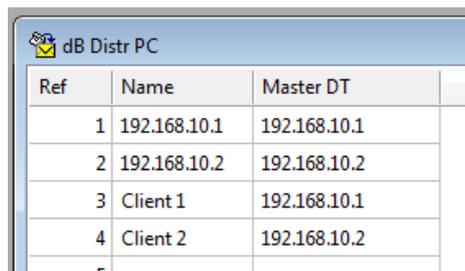
Figure 7: dB Distr Schedule

11. Start the scheduler, to do this click on the 'start scheduler' button on the tool bar.
- v. Click tools, Status log, log status.
  1. This is the real time log for Distribution. This will show when a process has started as well as the 'done' or 'fail'

## b. GSM Modem (GPRS/3G)

To use this communication method in the software, a private APN with fixed IP addresses will be required. To obtain these speak to the service provider.

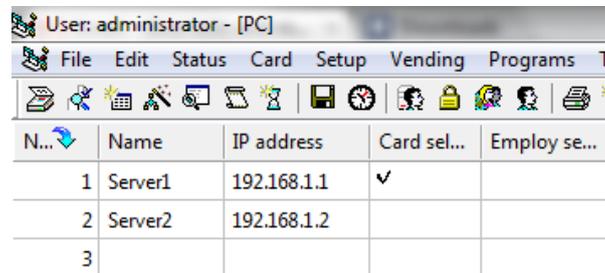
- i. Click setup, setup editor, dB Distr PC
  1. Under name fill in the PC name of each of PC's that will be running Softcon software (SCS)
  2. Master DT: this field allows the synchronisation of the time across the SCS system. Typically the server for each client would be selected here.



Ref	Name	Master DT
1	192.168.10.1	192.168.10.1
2	192.168.10.2	192.168.10.2
3	Client 1	192.168.10.1
4	Client 2	192.168.10.2

Figure 8: dB Distr PC IP Addresses

- ii. In SCS\_Client, click setup, setup editor, PC.
  1. Under IP address enter the IP address of each of the GSM modems. Ensure that the correct address is assigned to the correct PC.



N...	Name	IP address	Card sel...	Employ se...
1	Server1	192.168.1.1	✓	
2	Server2	192.168.1.2		
3				

Figure 9: SCS\_Client, PC Setup

- iii. Click Setup, Setup editor, dB Distr Set-up.
  1. Each Distribution PC must be listed here as both the source and destination, as well as having a unique Port number.
  2. Under PC DEST select the destination PC/s.
  3. Under PC SRC select the source PC/s.
  4. Under Port SRC type in the port number. The SCS applications use port 2555 through to 2567 for communication with the SCS\_Server.exe. As a result these port number cannot be used here. Typically ports 2777 through to 2780 are used here.
  5. Under Conn Type ensure that Ethernet is selected.
  6. Under Audit DB Date, Audit DB Ref, Log DB Date, and Log DB Ref: ensure that these fields are empty. Once distribution is run for the

first time they will have data in them, but for the first run they must be empty.

7. If things like Card Photos, Document files, Fingerprints, And signature files need to be distributed, then Double click in Audit extras:
  - a. A box will pop up. Select the extras that need to be distributed and click OK.

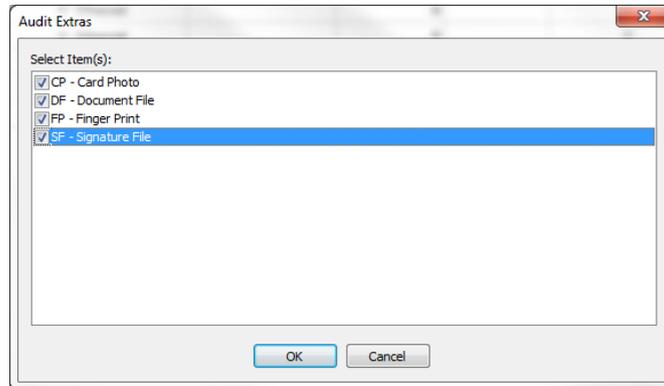


Figure 7: Audit Extras

8. Under Output Type ensure that Distribution Files is selected. These files are much smaller that database files and therefore impact the network less. Database files could be used but are much larger and less secure.

R.	PC DEST	PC SRC	Port SRC	Conn Type	Audit DB Date	Audit DB Ref	Log DB Date	Log DB Ref	Audit Extras	Output Type
1	192.168.10.2	192.168.10.1	2777	Ethernet	2010/07/12	182	2010/07/13	13	CP,DF,FP,SF	Distribution Files
2	192.168.10.1	192.168.10.2	2778	Ethernet		0		0		Distribution Files
3	none	none	0	Ethernet		0		0		Distribution Files
4	none	none	0	Ethernet		0		0		Distribution Files
5	none	none	0	Ethernet		0		0		Distribution Files
6	none	none	0	Ethernet		0		0		Distribution Files
7	none	none	0	Ethernet		0		0		Distribution Files

Figure 8: dB Distr Set-up

9. Once the settings are correct the 'Listener service' will automatically start. To check this locate the 'start listener service'  icon in the tool bar. It should be greyed out.
- iv. Click setup, setup editor, dB Distr RemoteAlarm
  1. Under Local PC select the Local distribution PC. This must be done for all Distribution PC's
  2. Under Remote PC select the Remote distribution PC. This must be done for all Distribution PC's
  3. Under Operation select Display, Update, EV, Log. This will display in main activity when distribution is run (Success or Fail), Update the databases with the correct Information, Execute events if needed,

and log the distribution events (Success or fail). A mix of the options is available.

4. Under Execute now select yes or no.
  - a. Yes: execute the remote alarm when distribution is run
  - b. No: don't execute the remote alarm when distribution is run

Ref	Local PC	Remote PC	Operation	Execute Now
1	192.168.10.1	192.168.10.2	Display,...	Yes
2	192.168.10.2	192.168.10.1	Display,...	Yes
3	none	none	None	Yes

**Figure 9: dB Distr RemoteAlarm**

- v. Click Setup, Setup editor, dB Distr Schedule
  1. Executor: This is the PC that will perform the task
  2. To/From: This is the intended PC for which the task is for
  3. Operation:
    - a. Audit Create: Creates a compressed file of audit data.
    - b. Audit Fetch: Copies the compressed audit files previously created by a create operation from the remote PC
    - c. Audit Process: Uncompress the audit files and adds the data to the daily audit files, which adds the data to the databases.
    - d. Audit Send: Sends files created by an audit create to a destination PC.
    - e. Audit Filter Options: When a Filtered option is selected, only the last change of a data field is contained in the .DST file. Filtering has the advantage that the file sizes are reduced. Filtered is not used when an audit of all changes (not only last) is required. Only the latest change of a field is stored in to the data file databases, irrespective of whether filtered is selected or not.
    - f. Log Create: Creates a compressed file of log data.
    - g. Log Fetch: Copies the compressed log files previously created by a create operation to the remote PC
    - h. Log Process: Uncompress the log files and adds the data to the daily log files.
    - i. Log Send: Sends files created by a log create to a destination PC.
  4. Sequence: Indicates the next reference that must be run. This cannot be done when the next reference executor is another PC.
  5. Complete: Indicates whether or not the next task will run based on whether the previous task was successful.
  6. Start DT: the next run date and time for the task. This can be used in conjunction with sequence to execute the tasks.

7. Period DT: the frequency that the task will run. YYYY-MM-DD HH:mm
8. Last DT: the last run time for the task. This will be updated by the system.
9. Skip Missed: if for some reason the schedule is missed must SCS run all the missed transactions
10. Log enabled: this will log all the transactions. Success or failure.

Reference	Executor	To/From	Operation	Sequence	Complete	Start DT	Period DT	Last DT	Skip missed	Log Enabled
1	192.168.10.1	192.168.10.2	Audit Fetch	2	No	2010/07/13 10:08:00	yyyy-mm-dd hh:mm	2010/07/12 16:48:01	Yes	Yes
2	192.168.10.1	192.168.10.2	Audit Process	3	No		yyyy-mm-dd hh:mm	2010/07/12 16:48:10	Yes	Yes
3	192.168.10.1	192.168.10.2	Audit Create	4	No		yyyy-mm-dd hh:mm	2010/07/12 16:48:14	Yes	Yes
4	192.168.10.1	192.168.10.2	Audit Send	5	No		yyyy-mm-dd hh:mm	2010/07/12 16:48:14	Yes	Yes
5	192.168.10.1	192.168.10.2	Log Fetch	6	No		yyyy-mm-dd hh:mm	2010/07/12 16:48:17	Yes	Yes
6	192.168.10.1	192.168.10.2	Log Process	7	No		yyyy-mm-dd hh:mm	2010/07/12 16:48:26	Yes	Yes
7	192.168.10.1	192.168.10.2	Log Create	8	No		yyyy-mm-dd hh:mm	2010/07/12 16:48:29	Yes	Yes
8	192.168.10.1	192.168.10.2	Log Send	9	No		yyyy-mm-dd hh:mm	2010/07/12 16:48:29	Yes	Yes
9	192.168.10.1	192.168.10.2	Ext Fetch	10	No		yyyy-mm-dd hh:mm	2010/07/12 16:48:35	Yes	Yes
10	192.168.10.1	192.168.10.2	Ext Process	11	No		yyyy-mm-dd hh:mm	2010/07/12 16:48:44	Yes	Yes
11	192.168.10.1	192.168.10.2	Ext Send	0	No		yyyy-mm-dd hh:mm	2010/07/12 16:48:44	Yes	Yes
12	none	none	None	0	No		yyyy-mm-dd hh:mm		Yes	Yes
13	192.168.10.2	192.168.10.1	Audit Process	14	No	2010/07/12 11:08:30	yyyy-mm-dd hh:mm		Yes	Yes
14	192.168.10.2	192.168.10.1	Audit Create	15	No		yyyy-mm-dd hh:mm		Yes	Yes
15	192.168.10.2	192.168.10.1	Log Process	16	No		yyyy-mm-dd hh:mm		Yes	Yes
16	192.168.10.2	192.168.10.1	Log Create	17	No		yyyy-mm-dd hh:mm		Yes	Yes
17	192.168.10.2	192.168.10.1	Ext Process	0	No		yyyy-mm-dd hh:mm		Yes	Yes
18	none	none	None	0	No		yyyy-mm-dd hh:mm		Yes	Yes

Figure 10: dB Distr Schedule

11. Start the scheduler, to do this click on the 'start scheduler' button on the tool bar.
  - vi. Click tools, Status log, log status.
    1. This is the real time log for Distribution. This will show when a process has started as well as the 'done' or 'fail'

### c. Fax/DATA Modem (Dial Up)

### 3. Partial Distribution.

SCS\_Distrserver.exe allows for a partial distribution. This would allow the as an example only the distribution of the card database, or the card and area group database.

#### a. Setup

- i. Configure distribution as normal. Described in the steps above.
- ii. Shut down the SCS software including Server.
- iii. In explorer go to C:\softwin3\database and open access.mdb
- iv. Locate the general table and open it
- v. Locate the column called DIST\_PARTIAL and set the field to 1

BIT	FAC_DIGIT	DIST_PARTIAL	Add Ne
0	0	1	

Figure 11: Access.mdb General Table

- vi. Close the database and restart SCS\_Server.exe as well as SCS\_Client.exe and SCS\_Distrserver.exe
- vii. In SCS\_Distrserver.exe click setup, setup editor, Distribution tables.
- viii. Under Host 1 Select one of the distribution servers
- ix. Under Host 2 Select the other distribution server.
- x. Under Table ID enter the required table for distribution. For Example DBT\_CD, or DBT\_AG.

Ref	Host 1	Host 2	Table ID
0			
1	Server1	Server2	DBT_CD
2	Server1	Server2	DBT_MG
3			

Figure 12: Distribution Tables

- xi. Click setup, setup editor, Distribution Exclude Fields
- xii. If when distributing tables, certain fields need to be excluded they need to be entered here.
- xiii. Under Host 1 Select one of the distribution servers
- xiv. Under Host 2 Select the other distribution server.
- xv. Under Field ID enter the field to be excluded.

Distribution Exclude Fields				
Ref	Host 1	Host 2	Field ID	
1	Server1	Server2	F_CD_AG	
2	Server1	Server2	F_CD_EXPIRE	

Figure 13: Distribution Exclude Fields

xvi. Start the distribution.

## b. Table ID

ID	Description
DBT_AG	AREA_GROUP
DBT_AG_TYPE	AG_TYPE
DBT_ALT_DB	ALTER_DATABASE
DBT_ASS_FARE	FARE
DBT_ASS_GROUP	GROUPS
DBT_ASSCD_GR	CARD_ASSET_GROUP
DBT_ASSET	ASSET
DBT_ASSGR_ACC	ASSET_GROUP_ACCESS
DBT_ASSPRE	PRE_BOOK
DBT_ASSPREC	PRE_BOOK_CARDS
DBT_AZ	AREA_ZONE
DBT_AZG	AREA_ZONE_GROUP
DBT_BAR_CODE	BAR_CODE
DBT_BUILDING	BUILDING
DBT_CAMPUS	CAMPUS
DBT_CARDPRINT_REASON	CARDPRINT_REASON
DBT_CD	CARD_DATA
DBT_CNTR	CONTROLLER
DBT_CNTR_SCHDL_OP	CNTR_SCHDL_OPS
DBT_CNTRL_SCHDL	CNTR_SCHEDULE
DBT_COUNTER	COUNTER
DBT_CR351	CR351
DBT_DEPT	DEPT_DATA
DBT_DISC_GR	DISCOUNT_GROUP
DBT_DIST_EXFIELDS	DIST_EXFIELDS
DBT_DIST_SCHDL	DIST_SCHEDULE
DBT_DIST_SRV	DIST_SERVERS
DBT_DIST_TABLES	DIST_TABLES
DBT_DRAW	DEFAULT_DRAWING
DBT_EMAIL_EMAIL	EMAIL_EMAIL
DBT_EMAIL_SEND	EMAIL_SEND
DBT_EMAIL_TO	EMAIL_TO
DBT_EMAIL_TRIGGER	EMAIL_TRIGGER
DBT_EV	EVENT

DBT_EV_EV	EVENT_EVENT
DBT_EXCEPT_EV	EXCEPTION_EVENTS
DBT_EXE	EXECUTE
DBT_EXE_FILE	EXE_FILE
DBT_EXT_MSGS	EXT_LINK_MSGS
DBT_EXTLINK	EXT_LINKS
DBT_FP_APP	FP_APP
DBT_FP_CARDS	FP_CARDS
DBT_FP_LOGON	FP_LOGON
DBT_FP_RD	FP_READER
DBT_FUND	FUNDS_DATA
DBT_GENERAL	GENERAL
DBT_GSM	GSM
DBT_HOLIDAY	HOLIDAYS
DBT_IN	INPUT_STATUS
DBT_IO	IO
DBT_IODEVICE	IODEVICE_SETUP
DBT_LAB_LIB	LABEL_LIB
DBT_LIC_TYPE	LICENSES_TYPE
DBT_MG	MULTI_GROUP
DBT_MODEM	MODEM
DBT_MUX	MUX_SETUP
DBT_OUT	OUTPUT_STATUS
DBT_OUT_GRP	OUT_GRP
DBT_PARK	PARK_BAY
DBT_PARK_BOOK	PARK_BOOK
DBT_PARK_FARE	PARKING
DBT_PC	PC_NAMES
DBT_PPOS_CARD	PPOS_CARD
DBT_PPOS_COLOR	PPOS_COLOR
DBT_PPOS_DETAILS	DETAILS
DBT_PPOS_DPAY	PPOS_DPAY
DBT_PPOS_MAP	PPOS_MAP
DBT_PPOS_PROVINCE	PPOS_PROVINCE
DBT_PPOS_TYPE	PPOS_TYPE
DBT_PPOS_TYPES	PPOS_TYPES
DBT_RD	READER_STATUS
DBT_REP	REPORTS
DBT_SZG	SETUP_ZONE_GROUP
DBT_TG	TIME_GROUP
DBT_TG_ZONE	TIME_GR_ZONE
DBT_TIMED	TIME_EVENTS
DBT_TIMERS	TIMERS
DBT_TRIG_EXE	EXE_TRIGGER
DBT_TRIGGER	EVENT_TRIGGER

DBT_TRIGGER_GRP	TRIGGER_GROUP
DBT_TZ	TIME_ZONE
DBT_UNION	UNION
DBT_V_MG	MULTI_GR
DBT_VD_BASE	BASE
DBT_VD_CHARGE	CHARGE
DBT_VD_DISC	DISCOUNT
DBT_VD_IGROUP	ITEM_GROUP
DBT_VD_ITEM	ITEMS
DBT_VD_RECIFE	RECIFE
DBT_VENDER	VENDER
DBT_VI_DETAILS	VI_DETAILS
DBT_VI_RELAY	VI_RELAY
DBT_VIS_PRE	VISITOR_PRE
DBT_VIS_REASON	VIS_REASON
DBT_VISITOR	VISITOR

### c. Field ID

- i. To determine the Field ID.
- ii. In SCS\_Client.exe locate the required field in the properties sheet.
- iii. Right click on the Field name and select properties.
- iv. The Filed ID is displayed.

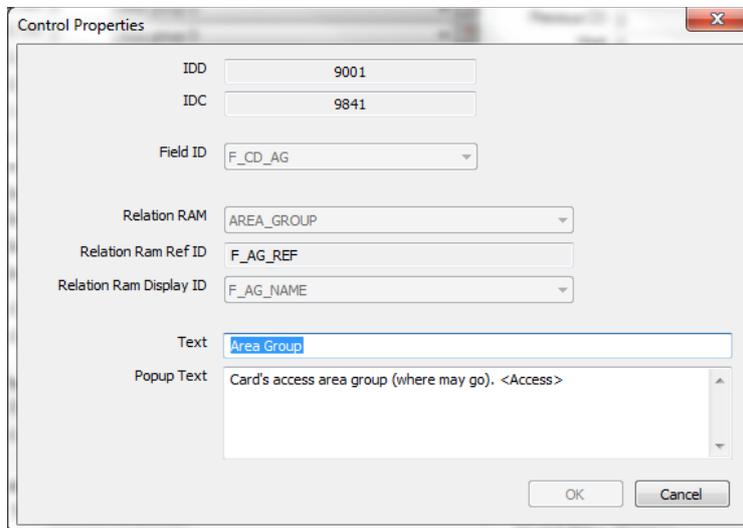


Figure 14: Control Properties

## 4. FTP Distribution

### a. Softwin 3 Settings

- i. From within SCS\_Distribution click setup, setup editor, dB Distr PC.
- ii. Under Via FTP place a tick mark next to the required PC names

### b. Installing and configuring in Windows Vista/7/Server 2008

#### i. Installing on Windows Vista/7

1. On the **Start** menu, click **Control Panel**.
2. Click Programs, and then click Turn Windows features on or off.
3. In the Windows Features dialog box, expand the Internet Information Services node.
4. Expand the FTP Publishing Service node.
5. Select the FTP Management Console check box and **the** FTP Server check box, and then click OK.

#### ii. Installing on Windows Server 2008

1. On the Start menu, click Administrative Tools, and then click Server Manager.
2. In the Server Manager Pane, in the Roles Summary section, click Web Server (IIS).
3. In the Web Server (IIS) section, click Add Role Services.
4. Under Role services, select FTP Publishing Service. This will install the FTP service and the FTP management console.
5. Click Next, and then click Install.

#### iii. Configuring

1. Create a new user on the PC
  - a. User Name: distributionserver
  - b. Password: password
2. Click Start.
3. In the Start Search box, type inetmgr and press ENTER.
4. In the Connections pane, expand the Sites node in the tree, and then click to select the DefaultFTPSite.
5. In the Actions pane, click View Virtual Directories.
6. On the Virtual Directories page, in the Actions pane, click Add Virtual Directory.
7. In the Add Virtual Directory dialog box, type a name in the Alias text box. This alias is used to access the content from a URL. This will be the done for each PC the will distribute to the this PC, and will look like PCNAME\_IN
8. In the Physical path text box, type the physical path of the content folder, or click Browse to navigate through the file system to find the folder. This will be the done for each PC the will distribute to the this PC. EG: C:\softwin3\temp\PCNAME\IN\

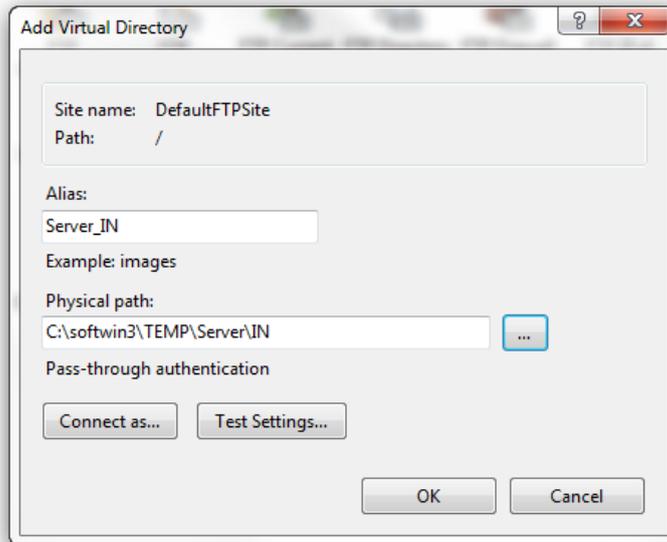


Figure 15: Add Virtual Directory

9. Click OK.
10. In the connections pane, select the DefaultFTPSite.
11. In the DefaultFTPSite Home pane double click on FTP Authentication.
12. Select Anonymous Authentication.
13. In the actions pane select Disable.

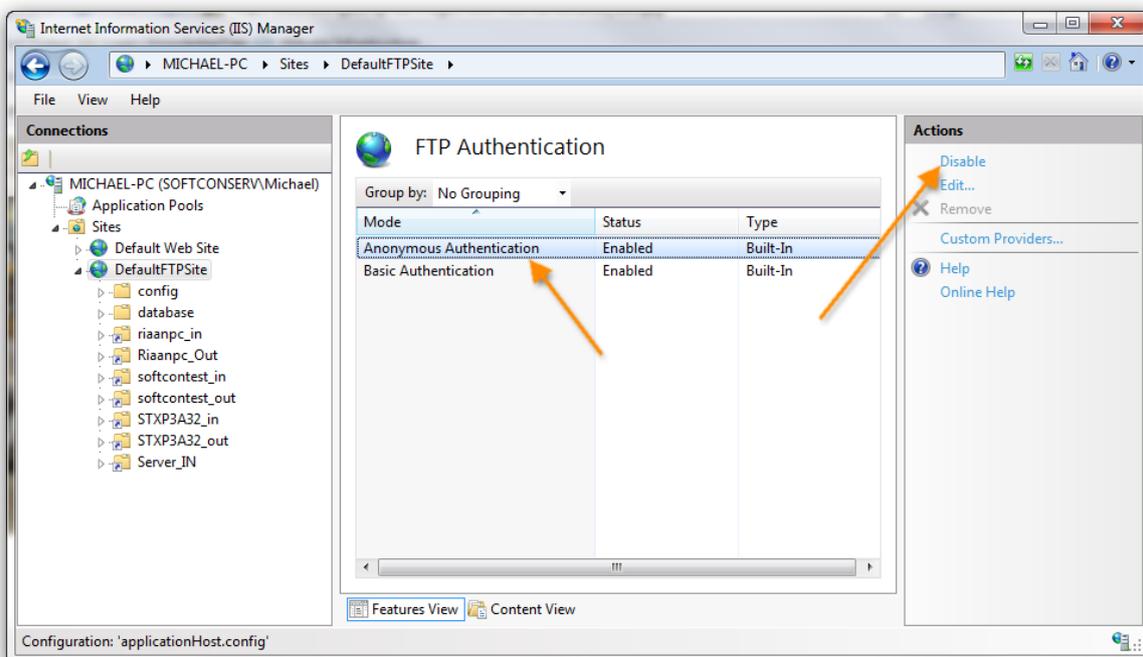


Figure 16: FTP Authentication

14. Browse to C:\softwin3\

15. Right click on the temp folder and click properties.
16. Under security click the edit button
17. Then click add
18. Under Enter the object names to select: enter distributionserver and click OK

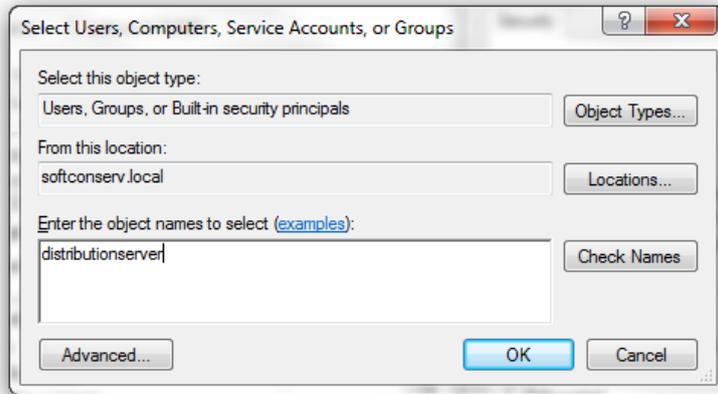


Figure 17: Select Users, Computers,...

19. In permissions for temp, select the distributionserver user, then place a tick for Full Control.

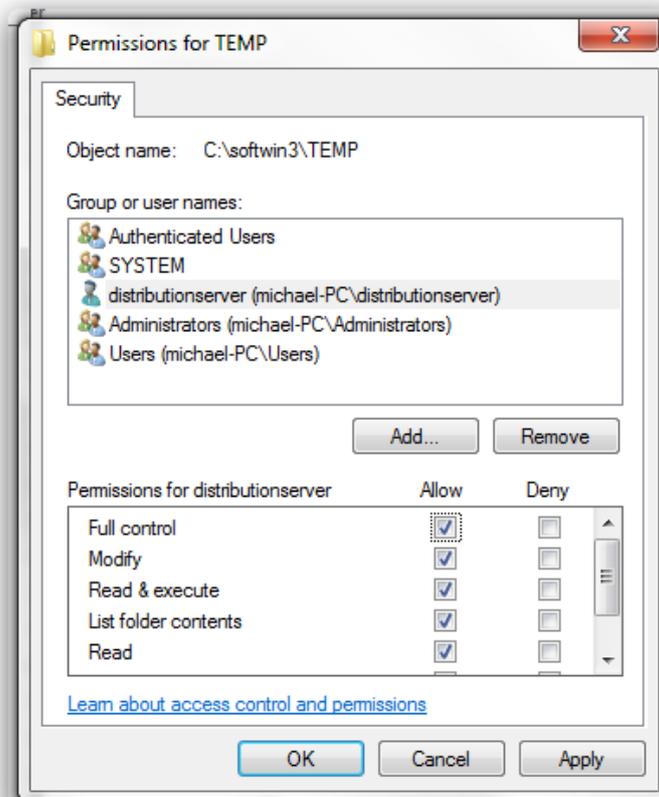


Figure 18: Permissions

20. Click OK to return to TEMP Properties
21. Click OK

## c. Installing and configuring FTP in Windows XP Pro

### i. Installing

1. Click start control panel
2. Open 'add or remove programs'
3. Click add/remove windows components
4. Click on Internet Information Services and click on details.
5. Place a tick next to File Transfer Protocol (FTP) Service
  - a. This will select other needed options as well

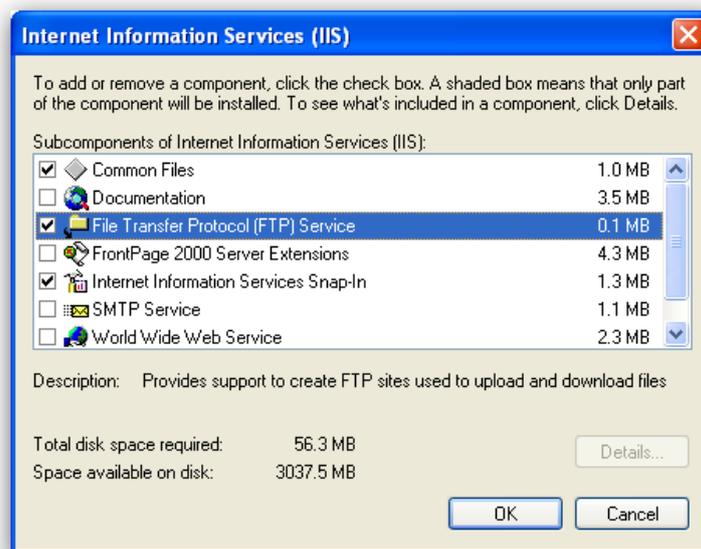


Figure 19: IIS Install

6. Click ok
7. Click next to install and when done click finish

### ii. Configuring FTP service in Windows XP Pro

1. Click start, control panel
2. Open administrative tools
3. Open Internet information services
4. Under Internet information services expand the local computer
5. Locate FTP Sites and expand
6. Right click on default FTP Site and click on new, Virtual directory



Figure 20: New Virtual Directory

7. The virtual directory creation wizard will start up, click next
8. Type in the Alias for the virtual directory, e.g. PC1\_IN or PC2\_IN
  - a. This will be done for every pc that needs to send distribution data to this pc, and will be done on every pc that receives distribution data.
9. Click next
10. Click the browse button and browse to the PC in folder

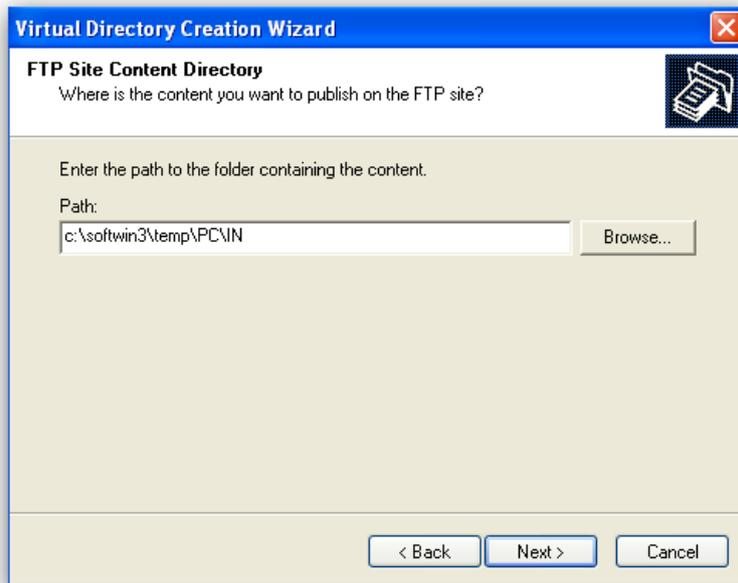


Figure 21: Virtual Directory creation Wizard

11. Place a tick mark in both Read and write for access permissions
12. Click next and finish
13. Create a new user on the PC
  - a. User Name: distributionserver
  - b. Password: password
14. Browse to C:\softwin3\
15. Right click on the temp folder and click properties.
16. Under security click the edit button
17. Then click add
18. Under Enter the object names to select: enter distributionserver and click OK

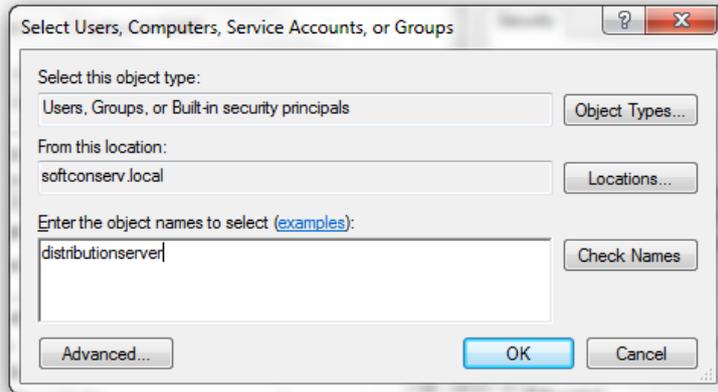


Figure20: Select Users, Computers,...

19. In permissions for temp, select the distributionserver user, then place a tick for Full Control.

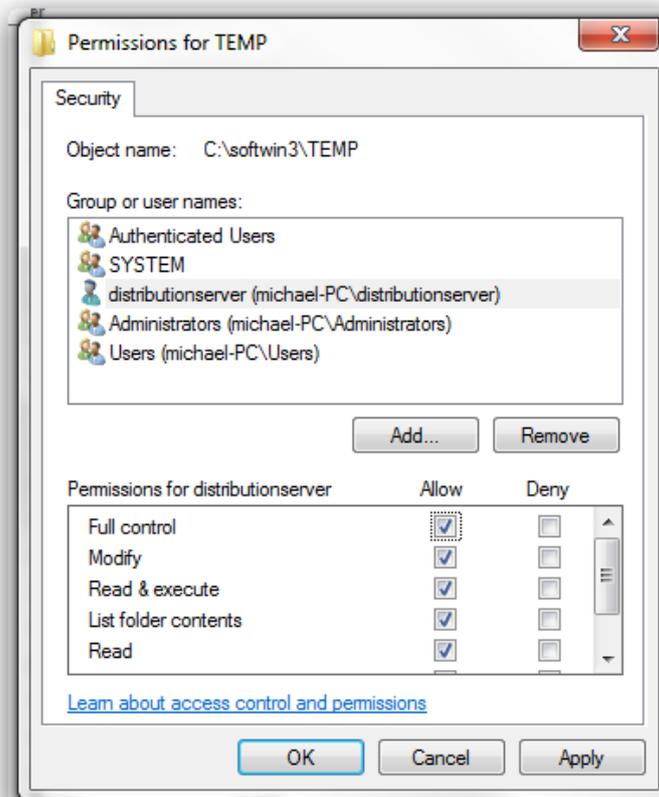


Figure21: Permissions

20. Click OK to return to TEMP Properties
21. Click OK

## 5. Troubleshooting

Q. distribution will not run via FTP

A. ensure that the settings are configured correctly in IIS, SW3 and make sure the firewall is turned off