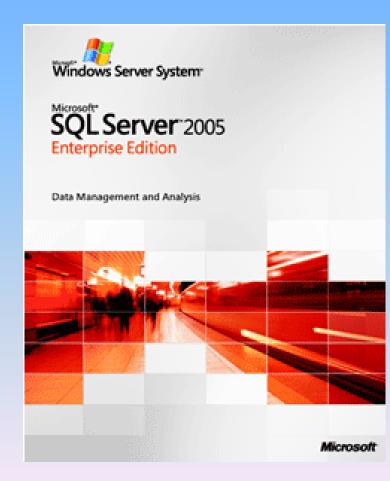
Microsoft SQL Server 2005 – replication settings



<u>Step 1</u>

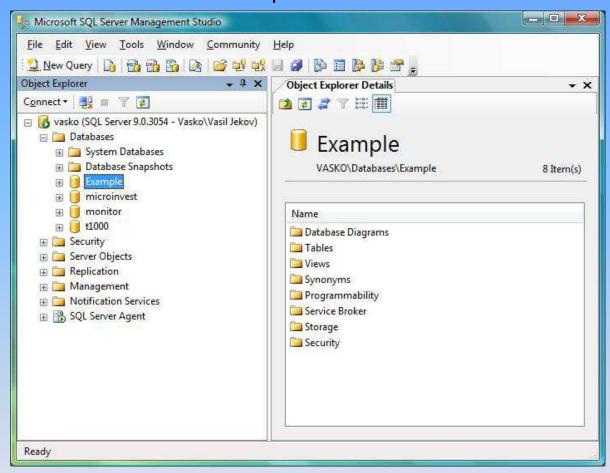
Preparation

- Install "Microsoft SQL Server 2005" on the main server, which will be the "publisher".
- Install "Microsoft SQL Server 2005 Express" on all servers, which will be "subscribers".
- All servers should be with open 1433 port.
- All of the IP addresses and the names of all "subscriber" servers, should be added in the "HOSTS" fail of the Windows installation on the main server. This must be done in the end of the fail, bellow the "local host" section.

(c:\windows\system32\drivers\etc\hosts).

<u>Step 2</u>

With the "SQL Server Management Studio", you create the data base which will be in replication.



It is recommended all of the initial data, as items, locations and quantities to be created in the database before the replication. It is not recommended, a large amount of information to be imported in the data base, if it is already working with replication.

<u>Step 3</u>

Creation of User with a password on the server, which will be used for the replication.

🍫 Microsoft SQL Server Management Studio		
File Edit View Tools Window Community	Help 🖃 🥔 🚯 🖬 📴 🎉 🚰 💂	
Object Explorer 🚽 🗸 🗸	Object Explorer Details	+ ×
Connect • vasko (SQL Server 9.0.3054 - Vasko Vasil Jekov) Connect • Connect • Conne	 Image: Security Logins 	7 Item(s)
 NT Sa VA Reports JserSVA VA Refresh UserSVA Vasko\Vasil Jekov Server Roles Credentials Server Objects Replication Management Notification Services SQL Server Agent 	Name BUILTIN\Administrators NT AUTHORITY\SYSTEM Sa VASKO\SQLServer2005MSF VASKO\SQLServer2005MSS VASKO\SQLServer2005SQL VASKO\SQLServer2005SQL VASKO\Vasil Jekov	28.11.2007
* <u> </u>	80 	
Ready		

The creation of an User is a two phase process. First, it must be added in section: "Security" – "Logins" – "New login".

Step 4

Creation of User with a password on the server, which will be used for the replication.

Select a page					
General	Script 👻 🚺 Help				
 Server Roles User Mapping Securables Status 	Login <u>n</u> ame: () <u>W</u> indows authentication () <u>S</u> QL Server authentication	Example	Search		
	Password:	•••••			
	<u>C</u> onfirm password:	•••••			
	Enforce password policy Enforce password egoirat User must change passw Mapped to certificate Certificate name:				
Connection	Mapped to asymmetric key	5			
Server: vasko	Key name:				
Connection:	Default <u>d</u> atabase:	master	•]		
Vasko Vasil Jekov	Default l <u>a</u> nguage:	<default></default>	•]		
Progress					
Ready					
			DK Cancel		

Then you choose "SQL server authentication", where you should define the password and to disable the following: "Enforce password policy", "Enforce password expiration" and "User must change password at next login".

<u>Step 5</u>

Creation of User with a password on the server, which will be used for the replication.

File Edit View Tools		mmuni 🚰 🚭 🛙	centra in	Help 2 🖉 📴 📴 📴 🖉 💂		
Object Explorer		÷ 4	×	Object Explorer Details		+ ×
Connect 🕶 📑 👕 🍸 🛃				🔁 🗃 🥔 🍸 🗄 🏢		
 □ vasko (SQL Server 9.0.3 □ Databases □ System Database □ Database Snaps □ Example □ Database Di 	es hots	sil Jekov		Users VASKO\Databases\Examp	le\Security\Users	4 Item(s)
⊕ 📴 Tables	sgrams			Name	Created	
🕀 🚞 Views			E	dbo	08.04.2003	
🕀 🧰 Synonyms				💁 guest	08.04.2003	
	22 19 19 19 19 19 19 19 19 19 19 19 19 19			INFORMATION_SCHEMA	14.10.2005	
Gervice Brok Gervice Brok Gervice Brok	CI .			sys 🚯	14.10.2005	
🖃 🦲 Security						
🕀 🛅 Users						
🕀 🧰 Roles	New User		- 29			
⊞ 🛅 Schei ⊞ 🛅 Asym	Filter	3 8 2				
🕀 🧰 Certit	Reports	×				
	Refresh					
			-			
· · · · · · · · · · · · · · · · · · ·		1 1		WI		

The second phase is to add an "User" to the data base. This can be done from: "Security" – "Users" – "New user".

Step 6

Creation of User with a password on the server, which will be used for the replication.

Select a page	🖾 Script 🔻 🚺 Help		
🚰 General 🔗 Securables	E contra de ricita		
Extended Properties	User name:	example	
	Login name:	example	
	([*]) <u>C</u> ertificate name:		
	(*) Key name:		
	(*) Without login		
	Default schema:	-	[
			- <u>Com</u>
	Schemas <u>o</u> wned by this user: Owned Schemas		1
	db_accessadmin		
	db backupoperator		
	db_datareader		
	db_datawriter		
	db_ddladmin		
Connection	db_denydatareader		
	db. dom/datawitor		
Server: vasko	Database role <u>m</u> embership:		
Connection:	Role Members		
Vasko\Vasil Jekov	db_datawriter		
View connection properties	db_ddladmin		
	db_denydatareader		
rogress	db_denydatawriter		
Ready	☑ db_owner		
	db_securityadmin		
		C	OK Cancel

In the field "User name", you should put the name you want, at the "Login name" field you choose the already created "User" from the menu. In the "database role membership" window, you should check "db_owner".



How to make publication

New Query	Microsoft SQL Server Manageme File Edit View Tools Winc		Help		
Object Explorer Connect * Image: C			-2004/15 - 700	B B 😤	
 Vasko (SQL Server 9.0.3054 - Vasko\Vasil Jekov) Databases Security Server Objects Replication Local Publications O Iter Management Notification Services SQL Server Agent New Oracle Publication Monitor Generate Scripts Configure Distribution 			11	-1969	+ ×
 Databases Security Server Objects Replication Local Publications O Iter Management Motification Services SQL Server Agent SQL Server Agent Local Subscription Reports 	Connect 🕶 📑 🛒 😰		1 🖬 🧊 🝸	8-8- 8-8- 8-8-	
 B Local Subscription New Publication Management Motification Services SQL Server Agent SQL Server Agent Configure Distribution Reports 	 	Vasko\Vasil Jekov)	and the state of t	a and a set and a second second	0 Item(s)
 Motification Services 	⊕ ⊇ Local Subscription ⊕ ⊇ Management	New Publication.			
Image: SQL Server Agent Launch Replication Monitor Generate Scripts Generate Scripts Configure Distribution Reports		New Oracle Publication			
Reports >	11510200	and the second se			
		Configure Distrib	ution		
Refresh		Reports	٠		
		Refresh			

To create a publication, you should go to: "Replication" – "local publications" and with a right click of the mouse, choose "New publication".



How to make publication





Distributor's configuration

Distributor Use this server	as its own Distribut	tor or select	another sen	ver as the Dis	tributor.
The Distributor is t	he server responsib	le for storing	replication	information u	sed during
Vasko' will act log	as its own Distribut	or; SQL Sen	ver will crea	e <mark>a d</mark> istributio	on database and
Use the following	ng server as the Di	stributor (Not	te: the serve	er you select i	must already be
contiguined se					
configured as a					<u>A</u> dd
configured as a					<u>A</u> dd
configured as a					Add
					Add

<u>Step 10</u>

Distributor's configuration

Select	erver Agent Start whether to automatically start the SQL Server Agent service when the ter is started.
	use the replication agents that synchronize subscriptions run unattended, you I configure SQL Server Agent to start automatically.
	u want to configure the SQL Server Agent service on 'vasko' to start atically when the computer is started?
0	Yes, configure the SQL Server Agent service to start automatically
C	No. I will start the SQL Server Agent service manually
acco	ne wizard to configure the SQL Server Agent service, the SQL Server service unt must have administrator permissions on the server computer. If the service doe ave these permissions, you must change the configuration manually.

<u>Step 11</u>

Distributor's configuration

Snapshot Fold Specify the root lo	ler ocation where snapshots	s will be stored.		UT
	tion and Merge Agents t ir publications, you must			
Snapshot folder:				
	Microsoft SQL Server	MSSOL TIMSSO	L\Rep[Data]	
C:\Program Hies	WICIOSON SOL SERVERY			
C: Program Hies	MICOSOF DUE DEVEN			
C. Program Hes				
Hrogram Hies				
This snapshot fo	ilder does not support pi	ull subscriptions c	reated at the Sub	
This snapshot fo		ull subscriptions c	reated at the Sub path. To support	

<u>Step 12</u>

How to make publication

New Publication	tion Wizard				
			ta or objects yo	u want to publish.	9
<u>D</u> atabase	e I				
Example	et				
monitor t1000					
11000					
Help) [< Back	Next >	[Finish >>]	Cancel
				A	

Choose the data base, which will be replicated.

<u>Step 13</u>

How to make publication

Choose the application	n Type publication type that best supports the requirements of your	
Publication	type:	
Transa	ot publication stional publication stional publication with updatable subscriptions	
Merge (ublication	
The Publis	type <u>d</u> escriptions: her streams transactions to SQL Server Subscribers after they receive an hot of the published data. Transactions originating at the Subscriber are	
Merge pu The Publish the Subscr	he Publisher. blication: her and Subscribers can update the published data independently after bers receive an initial snapshot of the published data. Changes are	
merge publ	iodically. Microsoft SQL Server Compact Edition can only subscribe to ications.	m

Choose the type of the publication: "Merge publication".

<u>Step 14</u>

How to make publication

Su	Specify the SQL Server versions that will be used by Subscribers to this publication.
	ne wizard will configure the publication to include only functionality supported by all specified ubscriber types.
V	SQL Server 2005
	SQL Server 2005 Compact Edition
	Requires snapshot files to be in character format.
	SQL Server 2000
	Logical records, replication of DDL changes, and certain optimizations for filtered publications are not supported.
	SQL Server for Windows CE
	The SQL Server 2000 restrictions apply; also requires snapshot files to be in character format.
~	

When you get to the upper screen,, please go ahead without changing anything. Leave: "SQL Server 2005".

<u>Step 15</u>

How to make publication

Articles Select tables and other objects to publis tables.	as articles. Select columns to filter
Objects to publish:	<u>Article Properties</u>
Configuration (dbo) Currencies (dbo) Currencies History (dbo) Occurrencies History (dbo) Occurrencies (dbo) Occu	E Show only checked objects in the list
NextAcct (dbo) Objects (dbo) Objects (dbo) ObjectsGroups (dbo) OperationS (dbo) OperationType (dbo)	

Pick up all of the tables shown.

<u>Step 16</u>

How to make publication

Articles Select tables and other objutables.	ects to publish as a	articles. Select columns to filter	
Objects to publish:		- 20	
	736-35	Article Properties	
ObjectsGroups Operations (db Operation Type Partners (dbo) PartnersGroups PartnersGroups Payments (dbo) Payment Types PriceRules (db Registration (db	o) (dbo) s (dbo)) (dbo) o)	 Highlighted table is download Show only checked objects i list 	
⊞ I Store (dbo)	Publish Table		
Users (dbo	Set Properties	of This Table Article	
🗄 🔽 🚺 UsersSecu	are considered and a second	of All Table Articles	
€ VATGroup	Select All Colu Select No Col		
Help	Synchronizati		ncel

There are two recommended steps for tables: Store, Payments and Operations. Choose: "Set Properties of This Table Articles".

<u>Step 17</u>

How to make publication

Art	icle name: Stor	e			
	operties:				
ER	Convert XML to NTEXT False				
	Convert MAX data types to				
	Identification	raise	1		
	Description		11		
	Source object name	Store			
	Source object owner	dbo			
E	Identity Range Manage	HE S	61		
	Automatically manage identi				
	Publisher range size	1000000			
	Subscriber range size	1000000	T		
	Range threshold percentage	80			
	Next range starting value		E		
	Maximum identity value	2147483647			
	Identity increment	1			
Ξ	Merging Changes				
	Tracking level	Row-level tracking			
T	ubscriber range size ne number for identity values used in a range at the Subscriber. The value ust be greater than or equal to 2 and less than or equal to 2145483611.				

"Publisher range size" and "Subscriber range size" should be increased to one million.

<u>Step 18</u>

How to make publication

	sues may require changes to your ap erate as expected.	oplication to ensure it
Issues:		
Uniqueidentifier col	lumns will be added to tables.	
Description:		
ROWGUIDCOL pro	ust contain a uniqueidentifier column operty. SQL Server adds a uniqueide ne when the first snapshot is generat	entifier column to published tables
» Increase the s	T statements without column lists to	
	d a uniqueidentifier column with a uni	
	operty to each of the following tables	•••

<u>Step 19</u>

How to make publication

Fil <u>t</u> ered Tables: Click Next if vo	u do not need to filter the data in your publicatio	n	Add
Click Add to begin filtering your publication.			Edit
		-	Delete

<u>Step 20</u>

How to make publication

Specify when to run the Snapshot Agent.	
Subscriptions are initialized with a snapshot of publication schem Snapshot Agent creates the snapshot.	a and <mark>d</mark> ata. The
☑ <u>C</u> reate a snapshot immediately	
Schedule the Snapshot Agent to run at the following times:	
Occurs every 14 day(s) at 00:05 ч Schedule will be used starting on 27.03.2008.	Change
If you plan to change the snapshot properties, do not start the Sr you change the properties in the publication property dialog box.	

<u>Step 21</u>

How to make publication

settings.			111
<u>S</u> napshot Agent:		Security Settings	
	se a login for each replication agent be		

Defining the "Security Settings" for the connection to the Publisher.

<u>Step 22</u>

How to make publication

Snapshot Agent Security	
Specify the domain or machine account	t under which the Snapshot Agent process will run.
Run under the following Window	ws account:
Process <u>a</u> ccount:	
	Example: domain\account
Password:	
Confirm Password:	
practice.) Connect to the Publisher	
By impersonating the process a	ccount
Using the following SQL Server	login:
Login:	example
Password:	
Confirm Password:	
	OK Cancel <u>H</u> elp

Please, choose "Run under the SQL Server Agent service account" and "Using the following SQL Server login". Put username and password.

<u>Step 23</u>

How to make publication

26	w Publication Wizard	X
Wi	zard Actions Choose what happens when you click Finish.	No No
	At the end of the wizard:	
	Create the publication	
	☐ Generate a script file with steps to create the publication	

<u>Step 24</u>

How to make publication

Verify the choices mad	e in the wizard and click Finish.
Publication name:	exampe_pub
Click Finish to perform the	following actions:
Create the publication	n.:
computer is started. Use 'C:\Program File root snapshot folder f A publication will be c Create a merge public	
 'CashBook' 'Configuration' 	

Define the name of the publication.

<u>Step 25</u>

How to make publication

0	Success	3 Total 3 Success	0 Error 0 Warning
Deta	ails:		
	Action	Status	Message
ø	Creating Publication 'microinvest_pub'	Success	
0	Adding article 27 of 27	Success	
0	Starting the Snapshot Agent	Success	
		Stop	<u>R</u> eport

In case, there are no mistakes, the publication is created successfully.

<u>Step 26</u>

Settings of the publication

🤹 Microsoft SQL Server Management	Studio		
File Edit View Tools Window	11 SECTOR CONTRACTOR		
🔄 🛄 New Query 📄 📸 📆 🛛		<u>s</u> 🖼 🥔 🖪 👺 🎜 🚊	
Object Explorer	+ 4 ×	Object Explorer Details	→ ×
Connect • 📑 🖉 👩		🔁 🛃 🮜 🏋 🔠 🗰	
 □ vasko (SQL Server 9.0.3054 - Vas ③ Databases ④ ○ Server Objects ○ Replication □ Local Publications 	ko\Vasil Jekov)	[Example]: exampe_pub VASKO\Replication\Local Publications\[Example]: 0	
 	Generate Sc View Confli Validate All Reinitialize A Configure V	ication eplication Monitor Scripts flicts II Subscriptions e All Subscriptions e Web Synchronization pshot Agent Status	
	Properties	s	
	Reports		
Ready	Delete		H
	Refresh		

After the creation is done, please enter the "Properties" of the publication.

<u>Step 27</u>

Settings of the publication

Select a page	🖾 Script 👻 🌃 Help				
🚰 General	29 scube 🔺 🖬 Leib				
Articles	Snapshot format				
Filter Rows Snapshot	Summer encourses and the second				
FTP Snapshot and Internet	Native SQL Server - all Subscribers must be servers run	ining SQL server			
Subscription Options	Character - required if any Subscriber is a device runnin	ng Microsoft SQL Server Compact			
📷 Publication Access List 🗿 Agent Security	Edition				
	Location of snapshot files				
	Put files in the default folder				
	C:\Program Files\Microsoft SQL Server\MSSQL.1\MSSQL\RepIData				
	Put files in the following folder:				
	C:\inetpub\ftproot	Browse			
	Compress snapshot files in this folder	*			
	Run additional scripts				
	Before applying the snapshot, execute this script:				
Connection		Browse			
Server: vasko	After applying the snapshot, execute this script:				
Commentary Manhail Manhailtean		Browse			
Connection: Vasko\Vasil Jekov		<u> </u>			
View connection properties					
Progress					
Ready					
		OK Cancel			

Enter the "Snapshot" settings' page. Choose "Put files in the following folder" and browse for folder: "C:\Inetpub\ftproot", Afterwards check in: "Compress snapshot files in this folder".

<u>Step 28</u>

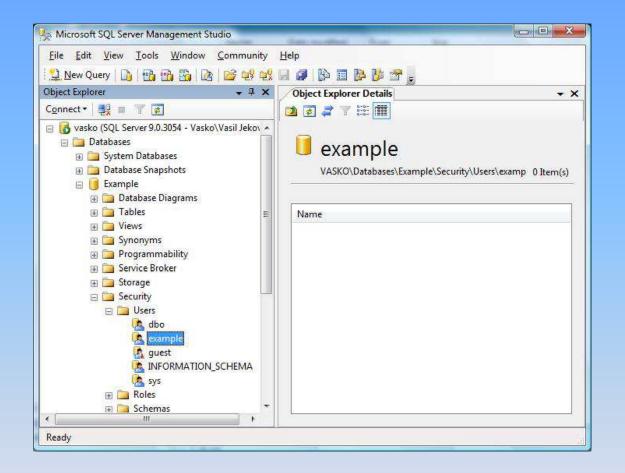
Settings of the publication

Select a page General	🔄 Script 👻 📑 Help	
Articles	Access snapshot files through FTP	
 Snapshot FTP Snapshot and Internet Subscription Options Publication Access List 		pshot files using FTP (File Transfer Protocol) formation to access the snapshot files:
G Agent Security	FTP server name	VASKO
	Port number	21
	Path from the FTP root folder	2000
	Login	anonymous
	Password	
	Note: the Snapshot Agent can au	tomatically put files in this folder if you specify it as a
Connection	Note: the Snapshot Agent can au snapshot file location on the Snap	
Connection Server: vasko		
and the second second second	snapshot file location on the Snap	shot page of this dialog box.
Server: vasko	snapshot file location on the Snap Web Synchronization	shot page of this dialog box. y connecting to a Web server
Server: vasko Connection: Vasko\Vasil Jekov	web Synchronization Web Synchronization Mlow Subscribers to synchronize b Address of Web server to which S	shot page of this dialog box. y connecting to a Web server iubscribers should connect:
Server: vasko Connection: Vasko\Vasil Jekov	snapshot file location on the Snap Web Synchronization Allow Subscribers to synchronize b Address of Web server to which S Note: You must configure the We	shot page of this dialog box. y connecting to a Web server

In the page: "FTP Snapshot and Internet", you should check in "Allow Subscribers to download snapshot files using FTP".

<u>Step 29</u>

Creation of a Subscriber



An empty database should be created on the Subscriber. It must be with the same name, as the main database. An User must be added – it must be the same, as the one in the Publisher (it must be added to the server and to the database).

<u>Step 30</u>

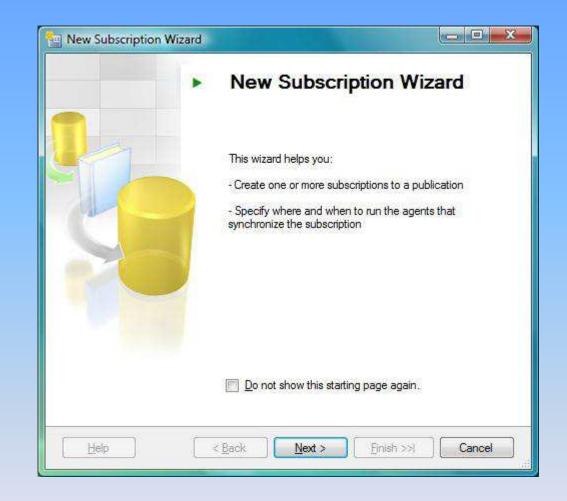
Creation of a Subscriber

Microsoft SQL Server Management St	udio	
File Edit View Tools Window	CommunityHelp	R
Object Explorer Connect Connect	→ → × Object Explorer Details ✓ ✓ ✓ ✓ ✓ ✓ ✓	• × exampe_pub cal Publications\[Example]: 0 Item(s)
 ■ Local Subscriptions ■ Management ■ Notification Services ■ SQL Server Agent 	New Subscriptions New Publication Launch Replication Monitor Generate Scripts View Conflicts Validate All Subscriptions Reinitialize All Subscriptions Configure Web Synchronization View Snapshot Agent Status Properties Reports	
Ready	Delete	
	Refresh	

Creation of a Subscriber from section ",Replication" – "local publications" – our publication must be marked and with right mouse click, "New subscriptions" must be choosed.

<u>Step 31</u>

Creation of a Subscriber



<u>Step 32</u>

Creation of a Subscriber

P	ew Subscription Wizard
	Choose the publication for which you want to create one or more subscriptions.
	Publisher:
	vasko 👻
	Databases and publications:

Choose the publication, to whom the Subscriber will be.

<u>Step 33</u>

Creation of a Subscriber

New	Subscription V	Vizard			
	ge Agent Lo oose where to ru	ocation In the Merge Age	nt(s).		
For the	e subscriptions I	create in this wiza	ard:		
۲	Run all agents	at the Distributor,	VASKO (push subsc	riptions)	
	This option ma	a <mark>kes it easier to a</mark>	dminister the synchro	nization of subscrip	otions centrally.
Ø	Run <u>e</u> ach ager	nt at its Subscribe	r (pull subscriptions)		
			sing overhead at the ironization of its subs		each
	ne wizard more th Subscribers	nan once if you w	ant some agents to n	un at the Distributo	r and some to
<u> </u>	lelp	< Back	Next >	Finish >>1	Cancel

In the "Merge Agent Location" nothing have to be changed. "Push Subscriptions" must be marked.

<u>Step 34</u>

Creation of a Subscriber

ubscribers and subscription data	bases:
Subscriber 🔺	Subscription Database
] vasko	
	Add SQL Server Subscriber

From "Add SQL Server Subscriber", you must choose the server, which will be a "Subscriber".

<u>Step 35</u>

Creation of a Subscriber

Su Va	bers and subscription data ibscriber 🏻 📥 isko	Subscription Database
V su		
	pportserver	example

The Subscriber's data base have to be defined.

<u>Step 36</u>

Creation of a Subscriber

ubscription properties	1996. 77 - 1997		
Agent for Subscriber	<u> </u>	Connection to Publisher	
supportserver		Click () to set security	Click () to set security

The Security Settings for the connection with the Merge Agent must be set.



Creation of a Subscriber

Specify the domain or machine synchronizing this subscription.	account under which the Merge Agent process will run when
Bun under the following \	Windows account:
Process <u>a</u> ccount:	Example: domain\account
Password:	
Confirm Password:	
Run under the SQL Serve practice.)	er Agent service account (This is not a recommended security best
Connect to the Publisher and D	listributor
By impersonating the processing the processing the processing of the processing o	cess account
🔿 Lising a SQL Server login	
The connection to the s	
The connection to the s	erver on which the agent runs must impersonate the process account.
The connection to the s The process account m	erver on which the agent runs must impersonate the process account. ust be a member of the Publication Access List.
The connection to the s The process account m Connect to the Subscriber —	erver on which the agent runs must impersonate the process account. ust be a member of the Publication Access List.
The connection to the s The process account m Connect to the Subscriber — O By impersonating the proc	erver on which the agent runs must impersonate the process account. ust be a member of the Publication Access List.
The connection to the s The process account m Connect to the Subscriber — By impersonating the proc Uging the following SQL :	erver on which the agent runs must impersonate the process account. ust be a member of the Publication Access List. cess account Server login:
The connection to the s The process account mi Connect to the Subscriber — By impersonating the proc Using the following SQL s Login:	erver on which the agent runs must impersonate the process account. ust be a member of the Publication Access List. cess account Server login:
The connection to the s The process account m Connect to the Subscriber — By impersonating the proc Using the following SQL s Login: Password: Confirm password:	erver on which the agent runs must impersonate the process account. ust be a member of the Publication Access List. cess account Server login:

In the "Merge Agent Security" field, "Run under the SQL Server Agent service account" and "Using the following SQL Server login" must be marked. With the last setting, an username and password have to be defined.

<u>Step 38</u>

Creation of a Subscriber

Subscriber 🔺		
and the second sec	Agent Location	Agent Schedule
supportserver	Distributor	<define schedule=""></define>
		Run continuously Run on demand only
		Control demand only

A Synchronization Schedule must be defined.

<u>Step 39</u>

Creation of a Subscriber

New Job Schedule				_		
<u>N</u> ame:					jobs in Schedu	le
Schedule type:	Recurring		Y) 📝 Enaț	led	
One-time occurrence			~			-
<u>D</u> ate:	[27.03.2008 •] <u>T</u> ime:	11:34 ч.				
Frequency						
Occu <u>r</u> s:	Daily 🔹]				
Re <u>c</u> urs every:	1 🚖 day(s)					
Daily frequency	15 - 71					
Occurs once <u>a</u> t:	00:00 ч. 👙					
Occurs every:	5 📥 (minute(s) 👻	Starting at:	00:00 ч.			
		Ending at:	23:59 ч.	-		
Duration						
Start <u>d</u> ate:	27.03.2008	🔘 End date:	27.0	3.2008 🛄	¥.	
		No end date				
Summary						
Description:	Occurs every day every 5 minute on 27.03.2008.	s(s) between 00:00 ч	. and 23:59 ч	Schedule wil	l be used startir	ng 🔺
		ſ	ОК	Cancel	Help	-

The schedule, which must be choose is: every day; every five minute.

<u>Step 40</u>

Creation of a Subscriber

ubscription properties:	Initialize	Initialize When
supportserver	2000 C	

In the "Initialize Subscriptions" field, must be marked "Immediately".

<u>Step 41</u>

Creation of a Subscriber

Subscription properti	2014	Drode for Conflict Development
Subscriber 🔺	Subscription Type	Priority for Conflict Resolution
supportserver	Client	 First to Publisher wins

In "Subscription Type" field, a "Client" must be choose.

<u>Step 42</u>

Creation of a Subscriber

New Subscription Wizard	
Wizard Actions Choose what happens when you click Finish.	
At the end of the wizard:	
Create the subscription(s)	
Generate a script file with steps to create the subscription(s)	

In the "Wizard Actions" window, choose "Create the subscription(s)".

<u>Step 43</u>

Creation of a Subscriber

	the Wizard choices made in the wizard and click Finish.	
Click Finist	to perform the following actions:	
Create s	ubscription(s).	
Create a si	ubscription to publication 'exampe_pub' from Publisher 'V	ASKO'.
Create subsc	riptions at the following Subscriber(s):	
supportser • • • • • • •	Ver Subscription database: example Agent location: Distributor Agent schedule: Occurs every day every 5 minute(s) between 00: 23:59 ч Schedule will be used starting on 27.03.2008. Agent process account: SQLServerAgent service account Connection to Publisher & Distributor: Impersonate process account Connection to Subscriber: Use login 'example' Initialize: Immediately Type: Client	

A window with all chosen parameters will show up.

<u>Step 44</u>

Creation of a Subscriber

	Success	2 Total 2 Success	0 Error 0 Warning
~		2 Success	V Warning
etails:			
	tion	Status	Message
	eating subscription for 'supportserver' arting the synchronization agent(s)	Success Success	

In case, there are no mistakes, the Subscriber has be done successfully.

<u>Step 45</u>

Monitor of all replications

🍢 Microsoft SQL Server Management S	tudio		_ _ X
Eile Edit View Tools Window	1000 1000 1000 1000 1000 1000 1000 100		* X
Connect ▼ 22 = 7 2 Connect ▼ 22 = 7 2 Connect ▼ 20.3054 - Vask Connect ■ Connect ■ Con	o\Vasil Jekov)	Image:	oub
 	New <u>Sub</u> New <u>P</u> ub Launch R <u>G</u> enerate <u>V</u> iew Cor Validate <u>J</u> Reinitiali <u>a</u> Configur	<u>A</u> ll Subscriptions ize All Subscriptions re <u>W</u> eb Synchronization apshot Agent Status	
Ready	Delete		d
	Re <u>f</u> resh		

From the field "Replication" – "local publications" – with a right click on the publication, a "launch replication monitor" can be start. It can be used for monitoring the status of the replications.



Monitor of all replications

Replication Monitor									
<u>File Action Go</u> <u>H</u> elp									
E-W Replication Monitor		20				Last refre	esh: 27.03.2	008 11:44 •	ŧ:
	All Subs	criptions	Warnings ar	nd Agents					
 Image: Baseline Server Image: Baseline Server 					<u>s</u>	how: Al	subscription	าร	
212.39.71.105		Status	Subscr	Friendl	Perfor	Deliver	Last S	Duration	C
E SERVER2007	5	Synchr	[SUPP			0 rows	27.03	00:00:44	L
Example]: exampe_pub									

From the upper screen, you can see the Subscriber in synchronization process.

<u>Step 47</u>

Monitor of all replications

lynchronization I <u>V</u> iew:	The last 100 synchroniz	ations	ļ.	•						
Status	Merge Agent:	End	Time	1	Du	ration	Uploade	Do	wnloa E	Error Message
③ Running	27.03.2008 11:37 ч.	-			line	0:01:18	0		0	
Initializa			00:01:18		-			123	2	
	changes and bulk in				0		-	-	ŝ	198
	hanges to Publisher d changes to Subsc	0			0		D D	0	0	
Downloa										

The Subscriber is still synchronizing.



Monitor of all replications

ginG	hronization Hist										
View	N.	The last 100 synchroniza	ations		<u> </u>						
Ses	sions of the Me	rge Agent:									
	Status	Start Time	End	Time		Duration	U	oloade	Downloa	En	or Message
0	Completed	27.03.2008 11:43 ч.	27.0	3.2008 11:44	ч.	00:01:0	7	0	0		
	Initialization Schema changes and bulk in Upload changes to Publisher Download changes to Subsc			00:00:01		-	-		-	-	15
			98		29	3	-		1		15
			0	00:00:00		0	0		0	0	
			0	00:00:00	1	0	0		0	0	
<u> </u>	10.00	e selected session: ot and merged 0 data cha	ange(s) (0 inse	ert(s), 0 updat	e(s), 0 dele	te(s), 0 cc	nflict(s)).			

The synchronization has been successfully accomplished.



Microinvest Warehouse Pro settings

пастроики за вр	Запис	
Тип на базата данни	SQL Server	Отказ
Път до базата данни	C:\Program Files\Microinvest\War()	Приложи
Сървър	localhost	
Репл. сървър		
Име на базата	example	
Име	sa	
Парола		
1		
Нова база	Гест на връзката	
	Тип на базата данни Път до базата данни Сървър Репл. сървър Име на базата Име	Път до базата данни С.\Program Files\Microinvest Сървър localhost Репл. сървър

• In the Microinvest Warehouse Pro settings, must be filled in only the "Server", without the "Replication Server"

 When a replication is in use, Microinvest Warehouse Pro must work with "Document numbers by locations" (must be enabled).

• All "Users" must be locked by "Locations" and each user must work only from the "Location" he is assigned to.