



Tech Tip 080027

RMS-DVR Replication Tool Setup Guide

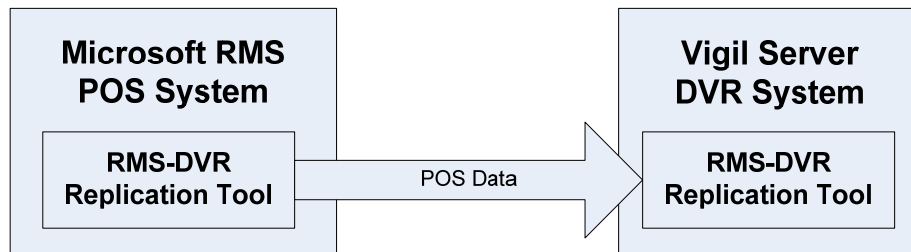
Tech Tip No.:	080027
Product Affected:	Vigil Server systems Recording Data from a Microsoft RMS terminal
Date:	December 10, 2008
Description:	Setup instructions for Microsoft RMS and Vigil Server DVRs using the SMC Replication Tool

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RMS-DVR Replication Tool Overview

The RMS-DVR Replication Tool is a configuration tool that installs options and transfers data from the Microsoft RMS POS system to the Vigil Server DVR System. The RMS-DVR Replication Configuration Tool must be installed on both the Vigil Server DVR system, or on a separate PC. The RMS-DVR Replication Tool connects over the network to the Microsoft RMS POS system database, converts the POS data into Vigil Server format and inserts this POS data into the Vigil Server database. The data can then be viewed in the Vigil Server Live Viewer as well as in the Playback window alongside corresponding video footage.



Network Configuration

The following network configuration settings must be configured in order for the POS Data to be transmitted from the RMS register to the RMS-DVR Replication Tool and from the RMS-DVR Replication Tool to the Vigil Server DVR.

Please contact your network administrator for assistance configuring firewall rules and port forwarding.

1. Both DVR and RMS series register must be on the same subnet
2. Both DVR and RMS series register must be on the same workgroup
3. Try to minimize the number of routers, switches and bridges that separate the two computers
4. Establish firewall exceptions in Windows Firewall and any other hardware firewalls that are in place between the DVR and Register. Exceptions must be added to the firewall on BOTH SIDES: Register AND DVR. Ports that must be opened on both sides are as follows*:

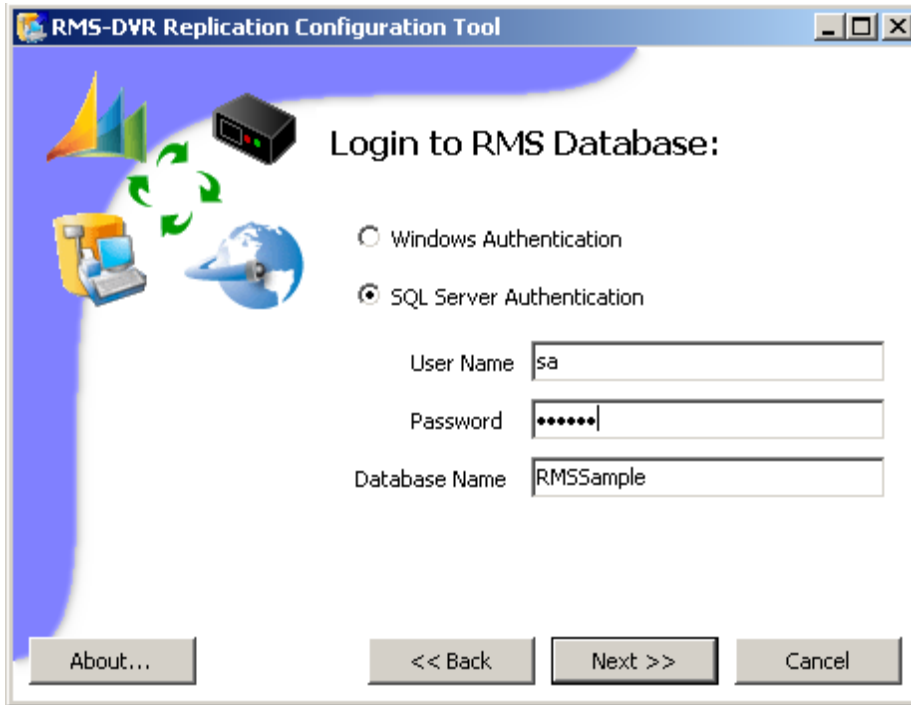
135
1025
1052
1118
1396
1397
1398
2025

**These are the default ports. If they have been changed, you will need to enter the new port numbers.*

RMS System - Installation of the RMS-DVR Replication Tool

5. Login to RMS Database:

Run the **RMSReplicationConfig.exe** tool (current version: 1.00.0007) on the **RMS Terminal** logged in as a Windows Administrator. Choose **Microsoft RMS Terminal** from the *What would you like to configure* screen. You will need to know the RMS database system admin password (sa). The default database name is **RMSSample**, but this can be changed by the database administrator, or by the person who installed the RMS software.



RMS-DVR Replication Configuration Tool

Login to RMS Database:

Windows Authentication

SQL Server Authentication

User Name:

Password:

Database Name:

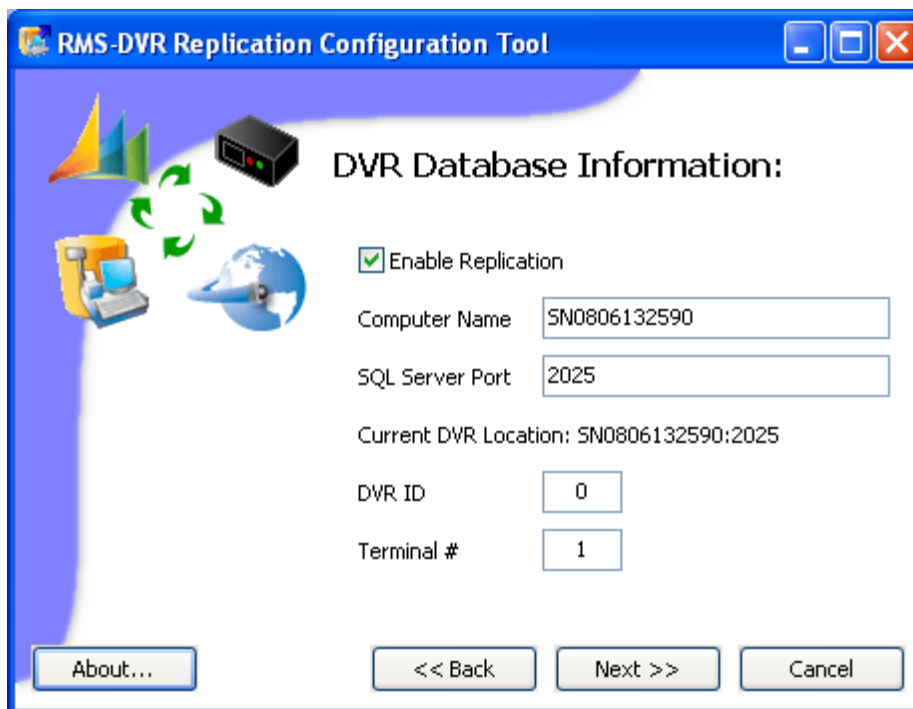
Buttons: About... << Back Next >> Cancel

6. **DVR Database Information:**

Choose **Enable Replication** to make the database replication active.

The **DVR ID** should remain as **0** unless you are using the *Central SQL Database* feature of the DVR, in which case it should match what's configured on the DVR. The **Terminal#** should match the RMS Terminal number. 3XLogic DVRs use **SQL Server port 2025** by default. The **Computer Name** should match the DVR's computer name. To check the computer name on the DVR, right click on *My Computer* and click *Properties* and then select the *Computer Name* tab.

Note: The *Terminal Number* entered in the RMS Replication tool will be inserted into every record on the DVR, and can be used to identify the RMS terminal from which it originated. Make note of the terminal number that is entered; this will be used again in the Vigil Server setup instructions below.



The screenshot shows a Windows-style window titled "RMS-DVR Replication Configuration Tool". The window has a blue title bar with standard minimize, maximize, and close buttons. The main content area has a light blue background with a graphic on the left showing a computer, a globe, and a server with green arrows indicating a cycle. The text "DVR Database Information:" is displayed in a large font. Below this, there is a checked checkbox labeled "Enable Replication". There are three text input fields: "Computer Name" with the value "SN0806132590", "SQL Server Port" with the value "2025", and "DVR ID" with the value "0". Below these is a label "Current DVR Location: SN0806132590:2025". There are two more text input fields: "Terminal #" with the value "1". At the bottom of the window, there are four buttons: "About...", "<< Back", "Next >>", and "Cancel".

Note: To uninstall the product from the RMS register, run the tool again and uncheck the *Enable Replication* checkbox.

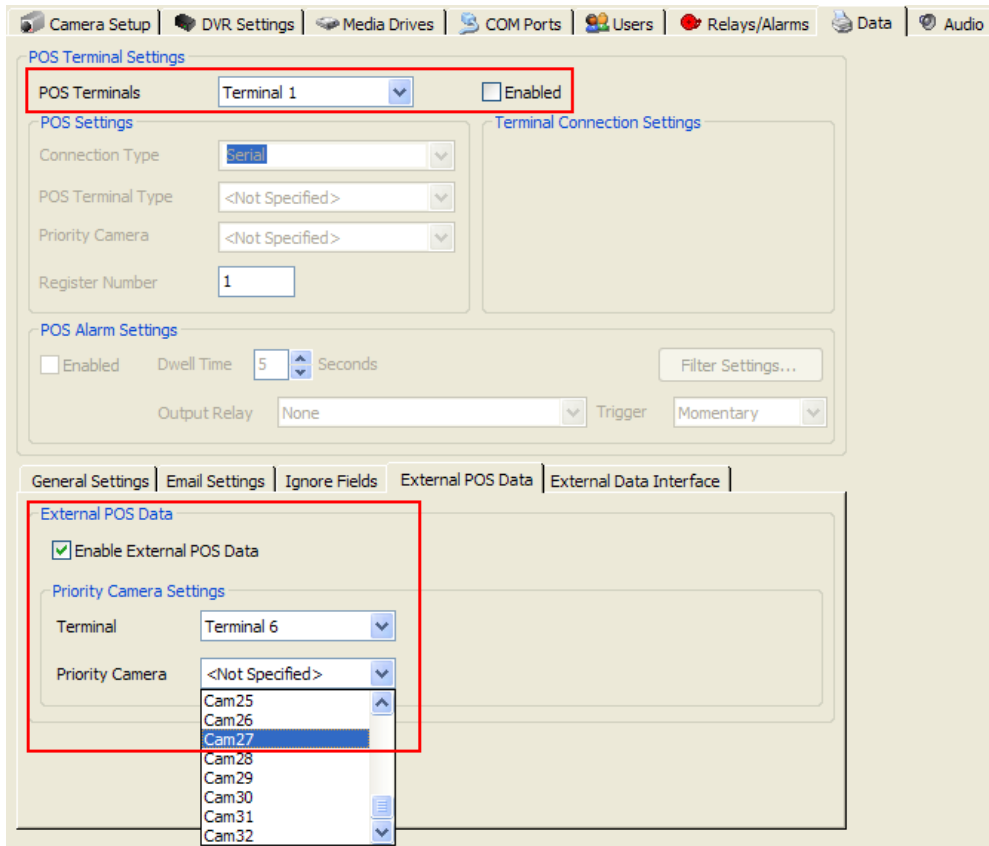
7. For **RPC Security Mechanism** on the RMS Terminal, select *No Authentication Required*
8. Click *Next*, review the selected options and then click *Finish*

Vigil DVR - Installation of the RMS-DVR Replication Tool

9. Run the RMSReplicationConfig.exe tool (current version: 1.00.0007) on the DVR
10. Select **Vigil DVR** from the *What would you like to configure* screen and then click *Next*
11. Select *No Authentication Required* and then click *Next*
12. Verify the chosen options and click *Finish*

Vigil DVR - Vigil Server Configuration

13. In **Vigil Server**, click on **Settings** and then select the **Data** tab
14. In the **External POS Data** sub tab, enable **External POS Data**
15. Select the *Terminal* number that was configured during the installation of the *RMS-DVR Replication Tool* on the RMS system (above)
16. If desired, select a *Priority Camera*
17. Click **OK**
18. **Ensure that new POS data is being displayed in the Vigil Server Data Live window and also in the Vigil Server Playback window:**
 1. In the *Tools* dropdown, select *Live POS Data* and ensure that new data records are displayed
 2. In the *Search* window, select *POS Data* and then click *Search* and ensure that new data records are displayed
19. Restart the computer by selecting *Start > Shut Down > Restart* and ensure that new POS data is being displayed in the *Vigil Server Data Live* window and also in the *Vigil Server Playback* window.



Contact Information

If you require more information, if you have any questions or concerns, or if you would like assistance with any of these steps, please contact 3xLogic Technical Support:

Toll Free (North America): 1-877-3XLOGIC (1-877-395-6442)

Email: support@3xlogic.com

Online: www.3xlogic.com