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# Microsoft Message Queue MSMQ Implementation Guide

Megan De Freitas - 2025-06-11 - Miscellaneous

# **Important Notice**

After October 29, 2019, SalesPad will no longer be supporting CardControl. Additionally, the application will cease to be a PA-DSS validated solution as of this date, and therefore CardControl customers would no longer be PCI compliant.

Instead, SalesPad Desktop now offers built-in credit card processing via <u>Nodus PayFabric</u>. If you have questions or want more information on our credit card processing services, please contact your sales rep.

#### Overview

CardControl 3.0 now supports communication with Additions, SalesPad GP, and SalesPad ERP using Microsoft Message Queue MSMQ. This Inter Process Communication (IPC) was implemented with the intention of making application communication on terminal server environments more reliable. IPC is the way applications communicate with each other through code.

#### Windows Features

You will need to enable the features pictured below if you do not already have MSMQ enabled on your system. You will need to restart after the first time install.

Windows Features	- 🗆 ×
Turn Windows features on or off	0
To turn a feature on, select its check box. To turn a feature off, clear its check box. A filled box means t is turned on.	hat only part of the feature
To turn a feature on, select its check box. To turn a feature off, clear its check box. A filled box means to is unred on.   I I I Framework 3.5 (includes_NET 2.0 and 3.0)  I ASP.NET Framework 4.5 Advanced Services  I ASP.NET Framework 4.5 Advanced Services  I ASP.NET Framework 4.5 Advanced Services  I ASP.NET 4.5  I V VCF Services  I ASP.NET 4.5  I V VCF Services  I ASP.NET 4.5  I V VCF Services  I Asp.Net Pipe Activation I Asp.Net Pipe Activation I Active Directory Lightweight Directory Services I Active Directory Domain Services Integration I Asp. Active Directory Domain Services Integration I Asp. Active Directory Domain Services Integration I Asp. Director I Asp. Active Directory Domain Services Integration I Asp. Director Advance Administration Kit (CMAK) I Asp. Active Directory All Support I Asp. Asp. Advance Directory Advances Advance etc) I Asp. Asp. Advance Directory Advances Advance and Advances Advances I Asp. Asp. Advances Advances Advances I Asp. Advances I Advances I Asp. Advance	hat only part of the feature
Windows TIFF IFilter  Work Folders Client  XPS Services	
XPS Viewer	
	OK Cancel

# Settings

# CardControl

You will need to enable the *Use MSMQ* setting in CardControl 3.0. After you have set this, you will need to save and completely close CardControl. Just logging out of CardControl will not allow this setting to be enabled.

Settings 🗙	
📑 Close 📙 Save	
<b>2</b> ↓ <b>□</b>	
A Application	
Default Card Creation As Tokens	False
System In Use	GP
Use MSMQ	True

#### SalesPad GP

In SalesPad GP, you will need to enable the *Use MSMQ* setting also. Make sure to save the changes. You do not need to log out of SalesPad after making this change.

🚨 Customer Search 🗵 🌮 Settings 🗵	
📑 Close 🛛 😓 Save 🛛 🕃 Export Settings 🛛 🗐 Import Settings	
Filter:	
msmq	
⊿ CardControl	
Use MSMQ	True

# SalesPad ERP

Similarly, in SalesPad ERP you will need to enable the *Use MSMQ* setting also. Make sure to save the changes. You do not need to log out of ERP after making this change.

Close Save	
ardControl	
∰ 2↓	
CardControl	
Allow Transactions Above Document Total	True
Authorization Expiration Days	0
Auto Start CardControl on Login	False
CardControl Database Connection	
CardControl Enabled	True
CardControl Location	C:\Program Files (x86)\CardControl\CardControl.exe
Default Capture Amount	Auth_Amount
Default Credit Card Payment Type	Payment
Processor UDF Field	
Use MSMQ	True

#### Additions

The Use MSMQ setting must also be enabled in Additions.

n/a
n/a
n/a
n/a
n/a
False
0
C:\Program Files (x86)\CardControl\C
On_Account
Payment
Account_for_Existing_Auths
True
CC_PREAUTH
True

#### Use MSMQ

DO NOT ENABLE UNLESS YOU HAVE MSMQ INSTALLED. This setting forces messages sent to and from CardControl to use Microintended for terminal server enviroments only....

#### Using MSMQ

Once these steps are finished, CardControl should communicate with the listed applications as well on a terminal server environment as it would on a local machine.

#### Maintaining MSMQs

You can use the Computer Management Snap-in to see and manage existing queues. To open up the Computer Management window, press your windows key and type MMC.



# Clearing the Queue

For instructions on how to clear the MSMQ queue, please refer to Microsoft's support entry.