

Security Removable Media Manager Active Directory Installation Guide

Version 9.11.27.0 (April 2024) Protect your valuable data



© 2011 Squadra Technologies, LLC. ALL RIGHTS RESERVED.

This guide contains proprietary information protected by copyright. The software described in this guide is furnished under a software license or nondisclosure agreement. This software may be used or copied only in accordance with the terms of the applicable agreement. No part of this guide may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording for any purpose other than the purchaser's personal use without the written permission of Squadra Technologies, LLC.

If you have any questions regarding your potential use of this material, contact:

Squadra Technologies, LLC 7575 West Washington Ave Suite 127-252 Las Vegas, NV 89128 USA www.squadratechnologies.com email: info@squadratechnologies.com

Refer to our Web site for regional and international office information.

TRADEMARKS

Squadra Technologies, secRMM are trademarks and registered trademarks of Squadra Technologies, LLC. Other trademarks and registered trademarks used in this guide are property of their respective owners.

Disclaimer

The information in this document is provided in connection with Squadra Technologies products. No license, express or implied, by estoppel or otherwise, to any intellectual property right is granted by this document or in connection with the sale of Squadra Technologies products. EXCEPT AS SET FORTH IN Squadra Technologies's TERMS AND CONDITIONS AS SPECIFIED IN THE LICENSE AGREEMENT FOR THIS PRODUCT, Squadra Technologies ASSUMES NO LIABILITY WHATSOEVER AND DISCLAIMS ANY EXPRESS, IMPLIED OR STATUTORY WARRANTY RELATING TO ITS PRODUCTS INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. IN NO EVENT SHALL Squadra Technologies BE LIABLE FOR ANY DIRECT, INDIRECT, CONSEQUENTIAL, PUNITIVE, SPECIAL OR INCIDENTAL DAMAGES (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF PROFITS, BUSINESS INTERRUPTION OR LOSS OF INFORMATION) ARISING OUT OF THE USE OR INABILITY TO USE THIS DOCUMENT, EVEN IF Squadra Technologies HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Squadra Technologies makes no representations or warranties with respect to the accuracy or completeness of the contents of this document and reserves the right to make changes to specifications and product descriptions at any time without notice. Squadra Technologies does not make any commitment to update the information contained in this document.

Squadra Technologies Excel AddIn Administrator Guide Created - August 2011

Contents

INTRODUCTION	.4
INSTALLATION OF SECRMM USING AD GPO	.4
Prepare the Active Directory server	.4
DOWNLOAD THE SECRMM SOFTWARE	. 5
Download the Microsoft Prerequisite software	. 7
Checking for the Microsoft Prerequisite software	. 7
CREATING GROUP POLICY OBJECTS	. 8
secRMM installation	10
Customizing the installation	28
Linking the installation GPO	29
secRMM License file	30
Linking the license file GPO	43
TROUBLESHOOTING	1 5
GPUPDATE AND GPRESULT	15
Windows 7	18
CONTACTING SQUADRA TECHNOLOGIES SUPPORT	18
ABOUT SQUADRA TECHNOLOGIES, LLC	19

Introduction

Security Removable Media Manager (secRMM) can be installed (deployed) in your domain using Microsoft Active Directory.

NOTE: This document is 95% screenshots so don't get discouraged with the number of pages! Hopefully you will find that a picture is really worth 1000 words.

Installation of secRMM using AD GPO

Prepare the Active Directory server

You should put the msi files you downloaded in the previous section on a server share, in a separate folder. The documentation below will assume the folder is C:\secRMM_GPO_Install\v6.0.2.0 (please use the correct secRMM version number if you use the version within the folder name). We will share the folder C:\secRMM_GPO_Install\v6.0.2.0 so Active Directory can access it. In the screen shot below, you can see the name of the server is \\W2008R2X64DC and the share for C:\secRMM_GPO_Install\v6.0.2.0 is named v6.0.2.0. Therefore,

other computers can access this share at \\W2008R2X64DC\v6.0.2.0.





×

Note the share permission below. We allow the "Domain Computers" read access to this share. This will allow Active Directory access to the folder¹

🥂 File Sharing	
Choose people on your network to s	hare with
Type a name and then click Add, or click the arr	ow to find someone.
	✓ Add
Name	→ Add Permission Level
Name & Administrator	✓ Add Permission Level Read/Write ▼
Name & Administrator & Administrators	✓ Add Permission Level Read/Write ▼ Owner

Download the secRMM software

Now that the directory structure has been created, we will download the files to go into the directories. Go to <u>http://www.squadratechnologies.com</u>. Follow the screen shot below to get to the secRMM download page.

¹ The security in your environment might be set up differently. If this is the case and you are unsure of how to allow Active Directory to access this folder, please contact Squadra Technologies support for assistance in setting this up.

uadra technologies secRMM dow	× +						
\rightarrow C $rac{1}{2}$	i 🖋 www.squadratechnologies.	🛈 💋 www.squadratechnologies.com/Products/secRMM/secRMMDownloads.as					
	Squadra						
	technologies	Deve	eloped in USA				
	home software 1 hardware	services	partners	compa			
	secRMM 2						
	Deventeede						
Seckimini	Downloads						
▷ Overview	Home >> secRMM >> Downloads						
Download 3	Please specify your inform	ation to downlo	ad secRMM.				
▶ Documentation	Once you click the submit button	below,					
▶ Video	you will be redirected to the dow	nload page.					
▷ Screenshots	First Name * Bill						
P Features	Last Name ¹ Gates	4					
▶ Release Notes	E-mail * Bill@microsoft.com						
\cap	Company						
1	Phone #						
1	Country						

If you have 64-bit and 32-bit computers in your environment, make sure to download both of the installation files. Each zip file that you download will contain the Windows installation file (the file will have a file extension of MSI). secRMMInstallx64.zip will contain secRMMInstallx64.msi and

secRMMInstallx86.zip will contain secRMMInstallx86.msi.

Please select a link(s) from the list below. Fully functional 30 day free trial.

Download link	
Microsoft download cente	er
secRMMInstallx64.zip	
secRMMInstallx86.zip	
	Download link Microsoft download cente secRMMInstallx64.zip secRMMInstallx86.zip

At the bottom of the secRMM download page, it will always show you the secRMM version you are downloading. You should write the version number down so that when we perform the AD GPO steps below we will have the secRMM version number.

Current Version 9.8.11.0, Posted Date: 12/22/2017

Extract the zip files and put the msi files into the share we created above.

Download the Microsoft Prerequisite software

secRMM relies on the Microsoft Visual C++ Redistributable dlls. Currently, secRMM is using the "Microsoft Visual C++ 2015 Redistributable Update 3". If you are keeping current with Microsoft updates, this should already be installed on your systems. If your systems do not already have "Microsoft Visual C++ 2015 Redistributable Update 3" installed (see below on how to check if you have it already installed), please refer to the "**secRMM Prerequisites Installation Guide**" available from the Squadra Technologies web site (the same page where you received this installation guide).

Checking for the Microsoft Prerequisite software

To see if the "Microsoft Visual C++ 2015 Redistributable Update 3" dlls are already on your systems, you can check in the Windows\system32 directory for a dll named vcruntime140.dll.

📕 🛛 🛃 🚽 🖌 System 32	
File Home Share	View
← → × ↑ 🚺 > This	PC > Local Disk (C:) > Windows > System32
	Name
🖈 Quick access	vcruntime140.dll
💻 This PC	vcruntime140.dll Properties
💣 Network	General Digital Signatures Security Details Previous Versions
	PropertyValueDescriptionMicrosoft® C Runtime LibraryTypeApplication extensionFile version14.10.25008.0Product nameMicrosoft® Visual Studio® 2017Product version14.10.25008.0Copyright® Microsoft Corporation. All rights reserved.Size85.1 KBDate modified2/7/2017 10:16 PMLanguageEnglish (United States)Original filenamevcruntime 140.dll

If the "Microsoft Visual C++ 2015 Redistributable Update 3" dlls are not on your systems and you install secRMM, secRMM will generate an error ("Provider load failure") and will not be able to function properly.

Creating Group Policy Objects

If you are on a server prior to Windows 2012, you will access the "Group Policy Management" MMC as shown below. If you are on Windows 2012 or greater, please use the next screenshot.

	Remote Desktop Services Active Directory Administrative Center
6 3 .	Active Directory Domains and Trusts
Č.	Active Directory Module for Windows PowerShell
<u> </u>	Active Directory Sites and Services
√√	Active Directory Users and Computers
Administrator	📝 ADSI Edit
	less Component Services
Documents	😓 Computer Management
	– 🚎 Data Sources (ODBC)
Computer	A DNS
	Event Viewer
Network	🔜 Group Policy Management
Control Panel	🔩 iSCSI Initiator
Control Panel	🚡 Local Security Policy
Devices and Printers	(N) Performance Monitor
	🚡 Security Configuration Wizard
Administrative Tools	Server Manager
Help and Support	🥥 Services
help and support	😿 Share and Storage Management
Run	Storage Explorer
	System Configuration

If you are on a Windows 2012 server, you will access the "Group Policy Management" MMC from the "Server Manager" Window as shown in the screen shots below.



A	Serv		
🖌 🖉 🗧 📢 Dashb	oard	🛛 🕄 🚩 🛛 Manage	Tools View Help
Dashboard	WELCOME TO SEE	RVER MANAGER	Active Directory Administrative Ce Active Directory Domains and Tru: Active Directory Module for Wind
Local Server All Servers AD DS		1 Configure this loo	Active Directory Sites and Services Active Directory Users and Compu ADSI Edit
1 DHCP DNS File and Starage Services N	QUICK START	2 Add roles and feat	Component Services Computer Management Defragment and Optimize Drives
	WHAT'S NEW	3 Add other servers4 Create a server gr	DHCP DNS Event Viewer
	LEARN MORE		ISCSI Initiator Local Security Policy
	ROLES AND SERV Roles: 4 Server gro	VER GROUPS oups: 1 Servers total: 1	ODBC Data Sources (52 bit) ODBC Data Sources (64-bit) Performance Monitor Resource Monitor Security Configuration Wizard



secRMM installation

Group Policy Management	
Group Policy Management File Action View Window Help File Action View Window Help File Action View Window Help File Action Image: Construction of the policy Image: Construction of the policy Image: Construction of the policy Forest: squadra.com Image: Construction of the policy SecRMM_SalesAndMar Image: Construction of the policy SecRMMCentral WinRM Image: Construction of the policy Image: Construction of the policy SecRMMCentral WinRM Image: Construction of the policy Image: Construction of the policy SecRMM_Sales Image: Construction of the policy Image: Construction of the policy SecOutlook Ever SecOutlook Ever Image: SecOutlook Instruction of the policy SecRMM Event L Image: SecRMM Installa	Allow Remote Admir and Contents Delegation Name Contents Delegation Name Contents Delegation Name Contents Delegation Name Contents Delegation Default Domain Content Default Domain Politic Default Domain Politic SecOutlook Event L New Back up All Open Migration Table Editor or View Mindow from Here
secRMM Installa	Help Vit
SerDMM License file	diet
New GPO	×
Name: secRMM Installation v6.0.2.0	
Source Starter GPO:	
(none)	•
[OK Cancel

Now in the list of defined GPOs, you will see the new GPO.

Right mouse click on the new GPO and in the popup menu, select Edit.

E Group Policy Management	
File Action View Window Help	_8×
Group Policy Management	secRMM Installation v6.0.2.0
🖃 🛕 Forest: squadra.com	Scope Details Settings Delegation
Domains	
Squadra.com	
SecKMM_SalesAndMarketing Edit	links in this location: squadra.com
Allow Remote Administration GPO Status	Iowing sites, domains, and OLIs are linked to this GPO:
sc PMMCentral WinPM and Even Back Up	
Sectomicential winter and Even Restore from	m Backup tion Enforced Link Enabled P
Group Policy Objects Import Settin	ings
secRMM SalesAndMarketing Save Report	t
Allow Remote Administration	
Default Domain Controllers P	
Default Domain Policy New Window	w from Here
secOutlook Event Log Backur Copy	tings in this GPO and only apply to the following arrups upon and computer
secOutlook Installation v1.0 Delete	ungs in this GFO can only apply to the following groups, users, and computer
secRMM Event Log Backup ar Rename	<u>•</u>
secRMM Installation v5.6.0.3 Refresh	uthenticated Users
secRMM Installation v5.8.0.0	
secRMM Installation v5.9.0.0 Help	
SECRIMIM Installation V6.0.2.0	
secRMM License file dist - file copy	Add Remove Properties
secRMM SafeCopy Firewall Excention	
secRMMCentral WinRM and Event Forwarding	WMI Filtering
Generation and event of warding Filters	This GPO is linked to the following WMI filter:
E GPOs	
🕀 📴 Sites	
Open the GPO editor	
🔊 Start 🛃 🖉 🧾 🔤 🥥	* 🕼 🕞 😭 2:22 PM



🗐 Group Policy Management Editor							
File Action View Help							
🗢 🔿 🙍 🗐 🗒 🖉 🖬							
secRMM Installation v6.0.2.0 [W2008R2X64DC.SQUAD]	Name Version Deployment state Source						
E Policies	There are no items to show in this view.						
Software Settings							
Software installation							
🕀 🔛 Windows Settings							
Administrative Templates: Policy definitions							
Freferences							
🖃 🕵 User Configuration							

Right mouse click on "Software installation" and in the popup menu, select New->Package.



Go to the network share you created above (note: make sure you do not use the local drive here...you MUST use the network share name) and select the secRMMInstallx64.msi file.

📕 Group Policy Manager	ment	Editor						
🗾 Open						×		
	BR 2X	54DC\v6.0.2.0		💌 🚱 S	earch v6.0.2.0	2		
Organize 🔻 New folde	er						ce	
🧮 Desktop		Name *			Date modified	Туре		
Downloads		il secRMMIns	tallx64.msi		1/14/2015 1:48 PM	Windows Ins		
📳 Recent Places		ill secommon	tally86 mgi		1/14/2015 1:48 PM	Windows Ins		
🔚 Libraries		B sectoring	aixooma		1/14/2013 1.40 PM	Windows 113		
Documents								
J Music								
Pictures								
Videos								
Computer								
Local Disk (C:)								
🖵 d (\\w7) (X:)								
O								
Network								
		•				•		
Fi	ile na	me:		- W	/indows Installer packa	ges (*.r 🔻		
					Open C	ancel		
•								
🎝 Start 🐰 🔎	7		a				* 🌜 🏱 🖫	2:27 PM 1/15/2015

🗐 Open	×
✓ Vetwork • W2008R2X64DC • v6.0.2.0	▼ 🚱 Search v6.0.2.0
Organize 🔻 New folder	III 🔻 🗔 🔞
Desktop 📩 Name 🗠	Date modified Type
Downloads	
Recent Places	1/14/2015 1:48 PM Windows Ins
j secRMMInstallx86.msi	1/14/2015 1:48 PM Windows Ins
🥽 Libraries	
Documents	
J Music	
Pictures	
Videos	
🖳 Computer	
🚢 Local Disk (C:)	
🖵 d (\\w7) (X:)	
🛀 Network	
▼ ◀	
File name: secRMMInstallx64.msi	▼ Windows Installer packages (*.r ▼
	Open Cancel

Deploy Software		×
Select deployment method:		
C Published		
C Assigned		
Advanced		
Select this option to configure the and to apply modifications to a pa	e Published or Assigned options ackage.	s,
	OK Cancel	

On the General tab, change the name from "secRMM" to "secRMM x64".

secRMM Propertie	es	? ×
General Deploym	nent Upgrades Categories Modifications Security	
Name:		
secRMM x64		
Product informa	tion	-
Version:	6.0	
Publisher:		
Language:	English (United States)	
Platform:	x64	
Support informa	tion	
Contact:		
Phone:		
URL:		
	OK Cance	

secRMM I	Properties				? X
General	Deployment	Upgrades	Categories	Modifications	Security
	oyment type —				
0	Published				
• /	Assigned				
Deplo	oyment options				
	Auto-install this	application t	by file extensi	on activation	
	Jninstall this ap nanagement	plication wh	en it falls out	of the scope of	
	Do not display I Danel	ihis package	in the Add/F	lemove Program	ns control
	nstall this appli	cation at log	on		
Instal	lation user inter	face options			
0	Basic				
© i	Maximum				
Adva	nced				
				ОК	Cancel

When you click the "Advanced" button, another dialog will open:

Advanced Deploy	ment Options	x
Advanced deploy	ment options: age when deploying this package	
	class and product information.	
Product code:	(B3212B35-868D-4E69-A690-B1E6818744F9)	
Deployment Cou	nt: 0	
Script name:	\\squadra.com\SysVol\squadra.com \Policies \{CAD499D4-2A22-493E-B7D3-CF04F55DE5A2} \Machine\Applications \{357EC7D5-94CB-416E-BD88-4827BBA39B8C}.aas	5
	OK Cancel	

If you have already deployed secRMM and are upgrading, click the "Upgrades" tab and add the previous secRMM installation GPO. If you are deploying secRMM for the first time, you will skip this step.

secRMM Properties	<u>?</u> ×
General Deployment Upgrades Categories Modifications Securit	y) j
Packages that this package will upgrade:	
Add Remove	
Required upgrade for existing packages	
Packages in the current GPO that will upgrade this package:	
OK Can	cel



In the screenshot below, we are upgrading from secRMM version 5.9.0.0. The secRMM version deployed in your environment may be different. Chose the version that is deployed in your environment.

Browse for a Group Policy Object			? ×
Domains/OUs Sites All			
Look in: 📰 squadra.com	•	2 🧾 🗉	•
All Group Policy Objects stored in this domain:			
Name			▲
Berault Domain Policy SecOutlook Event Log Backup and Clear SecOutlook Installation v1.0 SecRMM Event Log Backup and Clear SecRMM Installation v5.6.0.3 SecRMM Installation v5.9.0.0 SecRMM Installation v5.9.0.0 SecRMM Installation v5.9.0.0 SecRMM Installation v5.9.0.0 SecRMM License file dist - file copy SecRMM License file dist - logon script			
		ОК	Cancel

Add Upgrade Package	×
Choose a package from Current Group Policy Object (GPO) A specific GPO: secRMM Installation v5.9.0.0 Browse	
Package to upgrade secRMMx64 (secRMM Installation v5.9.0.0) secRMMx86 (secRMM Installation v5.9.0.0)	
 Uninstall the existing package, then install the upgrade package Package can upgrade over the existing package 	
OK Cancel	

cRMM Propert	es		? ×
General Deploy	nent Upgrades Categories	Modifications	Security
Name:			
secRMM x64			
Product inform	ation		
Version:	6.0		
Publisher:			
Language:	English (United States)		
Platform:	x64		
Support inform Contact: Phone:	ation		
URL:			
		ок	Cancel

Now we can add the secRMMInstallx86 (i.e. 32 bit) file.

Right mouse click on "Software installation" again and in the popup menu, select New->Package.



Go to the network share you created above (note: make sure you do not use the local drive here...you MUST use the network share name) and select the secRMMInstallx86.msi file.

📕 Group Policy Managem	ent Editor					<u>_ </u>
🗐 Open				×		
	2X64DC\v6.0.2.0	•	Search v6.0.2.0	<u> </u>		
Organize 🔻 New folder				= - 🔟 🕡	0urce \W2008R2X64DC\v6	5.0.2.0\secRMI
Nesktop	Name *		Date modified	Type		
Downloads	secRMMIn	stallx64.msi	1/14/2015 1:48	PM Windows Ins	5	
Recent Places	1🐻 secRMMIn:	stallx86.msi	1/14/2015 1:48	PM Windows Ins		
🥽 Libraries					1	
Documents						
J Music						
Videos						
La videos						
🖳 Computer						
🚢 Local Disk (C:)						
🕎 d (\\w7) (X:)						
🗣 Network						
-	-			Þ	1	
					1	
File	name: [seckiviiviin	stalix80.msi	Windows Installer	packages (".n •		
			Open	Cancel		
					-	
		ــــــاخار لظ				
🎝 Start 🛃		2 5			* 👍 🖻 🐂	2:45 PM 1/15/2015



On the General tab, change the name from "secRMM" to "secRMM x86".

secRMM Properti	es	? ×
General Deployn	nent Upgrades Categories Modifications	Security
Name:	L	
secRMM x86		
Product informa	tion	
Version:	6.0	
Publisher:		
Language:	English (United States)	
Platform:	x86	
Support informa	ition	
Phone:		
URL:		
	ОК	Cancel

secRMM Properties
General Deployment Upgrades Categories Modifications Security
Deployment type
C Published
Assigned
Deployment options
Auto-install this application by file extension activation
Uninstall this application when it falls out of the scope of management
Do not display this package in the Add/Remove Programs control panel
Install this application at logon
Installation user interface options
C Basic
C Maximum
Advanced
OK Cancel

Make sure that you **UNCHECK** the "Make this 32-bit X86 application available to Win64 machines." checkbox.

Advanced Deploy	ment Options
Advanced deploy	ment options: age when deploying this package
🔲 Make this 32	bit X86 application available to Win64 machines. NO!
Include OLE	class and product information.
Advanced diagno	stic information:
Product code:	{4EBF6733-BD0D-45E9-8102-C16D7ECB7CE6}
Deployment Cour	nt: 0
Script name:	\\squadra.com\SysVol\squadra.com \Policies \{CAD499D4-2A22-493E-B7D3-CF04F55DE5A2} \Machine\Applications \{3A1DA154-BA57-457B-A59F-E900B0187EDE}.aas
	OK Cancel

If you have already deployed secRMM and are upgrading, click the "Upgrades" tab and add the previous secRMM installation GPO (the screen shots will be mostly the same as above so we will not list them all below). If you are deploying secRMM for the first time, you will skip this step.

Add Upgrade Package	×
Choose a package from Current Group Policy Object (GPO) A specific GPO: secRMM Installation v5.9.0.0 Browse	
Package to upgrade	
secRMMx64 (secRMM Installation v5.9.0.0) secRMMx86 (secRMM Installation v5.9.0.0)	
 Uninstall the existing package, then install the upgrade package Package can upgrade over the existing package 	
OK Cancel	

The secRMM Installation GPO is now complete. You can close the GPO Editor by clicking the X in the upper right hand corner of the dialog.

🗐 Group Policy Management Editor				
File Action View Help				
🗢 🔿 🙍 🖾 🖾 🖾				
secRMM Installation v6.0.2.0 [W2008R2X64DC.SQUADRA.	Name 🔺	Version	Deployment state	Source
🖃 👰 Computer Configuration	consecRMM x64	6.0	Assigned	\\W2008R2X64DC\v6.0.2.0\secRMI
🖃 🧮 Policies	secRMM x86	6.0	Assigned	\\W2008R2X64DC\v6.0.2.0\secRMI
🖃 🚞 Software Settings	-		-	
Software installation				
🕀 🚞 Administrative Templates: Policy definitions (AD				
🕀 🚞 Preferences				
🖃 🕵 User Configuration				
🕀 🚞 Policies				
1 Preferences				

The final step is to "link" the GPO you just created to computers in your domain. In the screenshot below, we will link the GPO so that all the computers in the domain get secRMM installed.

🕵 Group Policy Management	
🛃 File Action View Window Help	_ B ×
(= ⇒) 2 □ ↓ □ × ○ 2 □	
Group Policy Management Group Policy Management Group Policy Management Group Policy Management Group Domains Create a GPO in this domain, and Link it here Group Policy Modeling Wizard Hink an Existing GPO Block Inheritance Group Policy Modeling Wizard New Organizational Unit Group Policy Modeling Wizard New Organizational Unit Secret Allow Group Policy Modeling Wizard New Organizational Unit Secret Allow Secret Secr	AlM Installation v6.0.2.0 Details Settings Delegation links in this location: squadra.com owing sites, domains, and OUs are linked to this GPO: on Enforced Link Enabled P or Enforced Link Enabled P ty Filtering tings in this GPO can only apply to the following groups, users, and computer thenticated Users Add Remove Properties Filtering iPO is linked to the following WMI filter: e>
Select an existing GPO and link it to this container	
🍂 🛃 🔚 🔚 🗐	

Customizing the installation

You can customize the Group Policy software installation by specifying Microsoft Transform files (MST). secRMM supplies a MST file for each property (variable) that can be overridden at the command line. The name of the MST file is also the name of the installation property. The secRMM MST files are in the secRMMDeployment.zip (in the MSI_Transforms directory) which you can download from the Squadra Technologies web site.

The MST files are: ADDSAFECOPYFIREWALLRULE.mst ARPSYSTEMCOMPONENT.mst PREVENTALLPROGRAMSPINNING.mst PREVENTSTARTMENUPINNING.mst REQUIRESAFECOPYPREAPPROVAL.mst SAFECOPYISALLOWEDPROGRAM.mst SECRMMLOCKDOWNMODE.mst

Linking the installation GPO

Now you are ready to associate this Group Policy Object to your domain. In the Group Policy Management console, right mouse click on your domain and select "Link an Existing GPO...".

🛃 Group Policy Management
🛃 File Action View Window Help
🗢 🔿 🔁 🖬 🗎 🖾 🧟 🔀 🖬
Group Policy Management
E A Forest: squadra.com
E 🛃 Domains
🗖 🛱 squadra.com
Create a GPO in this domain, and Link it here
E Doma Link an Existing GPO
Grou Block Inheritance

Figure 1 - Linking the software installation GPO to the domain

Select the "Install secRMM" GPO.

Select	GPO	×
Look ir	n this domain:	
	squadra.com	•
Group	Policy objects:	
	Name 🔺	
	Default Domain Controllers Policy	
	Default Domain Policy	
	Install secRMM	
	secRMMCentral WinRM and Event Forwarding	-
	ben inden a mind fand Erent formalang	

Figure 2 - Linking the "Install secRMM" GPO to the domain

To ensure that your GPO will work, choose a test system and run "gpupdate /force" from an elevated command prompt. This will apply the GPO to the system (i.e. install secRMM). You will need to reboot the system at this time.

Once the reboot has occurred, you can verify the installation by looking in the System event log for an Event ID of 302 for secRMM as shown below.



secRMM License file

The secRMM license file needs to be copied to each computer running secRMM in your environment. You receive the secRMM license file from Squadra Technologies. If you are deploying secRMM with Active Directory for a test and do not yet have a secRMM license file, you can skip this step. Once you do get a secRMM license file, you can come back to this section.

Under the network share we created earlier for the installation/deployment, put the secRMM license file into this folder. Your secRMM license file will have a name similar to your domain name, assuming you purchased a domain license². In this document, we will use the name **squadra.com.lic** for the license file. Be sure though that you change **squadra.com.lic** to be the actual file name you received from Squadra Technologies (we will point out each place you need to make a change below).



Right mouse click on "Group Policy Objects" and select "New".

² If you purchased a "per computer" license, please use the steps in the secRMM Administrators Guide under the section named Licensing.





Right mouse click on the new GPO and select "Edit".



Expand the treeview to "Computer Configuration"->Preferences->"Windows Settings"->Files Right mouse click on "Files" and from the popup menu, select New->File.

🗐 Group Policy Management Editor						<u> </u>
File Action View Help						
(≠ ⇒) 2 📅 🕒 🗐 🗰 û 📾 🛛 🖬 🙆 🛇 •	F .					
SecRMM License File [W2008R2X64DC Computer Configuration Description Configuration Description Configuration Description Configuration						
Windows Settings		Name	Order	Action	Source	
Benvironment Processing Folde Folde Folde Ini F Regi View Folde Shor Copy Ortrol F Policies Preferences Help Description No policies selected	*		There are no items t	o show in th	is view.	
		•				
Preferences Extended	λ Standard	/				
Add a new file item						
🏷 Start 🐰 🕢 🧮 🎬 🔍 🍒				* 🕼	Pt	3:10 PM

New File Properties			×
General Common			
Action:	Update		•
Source file(s): Destination File:	Suppress errors on ir Attributes Read-only Hidden Archive	ndividual file actio	ns
	K Cancel	Apply	Help

Remember, your license file name will be different than the screenshot below.

_							
l	Open						×
	Look in: 🚇	v6.0.2.0	- 3 5	🕽 📂 🖽	•		
	Name 🔺		▼ Date modified	Н 🚽 Тур	e -	Size 💌	
	secRMMI/	nstallx64.msi	1/14/2015 1:	48 PM Win	ndows Installe	7,656 KB	
	ill secDMMI	nstally86 msi	1/14/2015 1:	48 PM Win	ndows Installe	6,268 KB	
	squadra.	com.lic	1/9/2014 9:2	2 AM LIC	File	1 KB	
:							
1							
							-
	File name:	squadra.com.lic				Open	
1	Files of type:	All Files (*.*)			•	Cancel	
							///

Now, in the "Destination File" field, type the directory and file name of the secRMM license file. The directory will be "C:\Program Files\secRMM\" (unless you specified a different installation directory in which case, you would use that directory named instead).

New File Properties	×
General Common	
Action:	Update
Source file(s):	\\W2008R2X64DC\v6.0.2.0\squadra.com.lic
Destination File:	C: \Program Files \secRMM \squadra.com.lic
	Attributes Read-only Hidden Archive
	K Cancel Apply Help



For this GPO, you will associate a WMI Filter to the GPO so that this GPO will only run on computers that have secRMM installed. Right mouse click on "WMI Filters" and select "New"



New WMI Filter			×
Name:			
New WMI Filter			
, Description:			
Queries:			
Namespace	Query		Add
			Bemove
			Edit
		Save	Cancel
New WMI Filter			×
Name:			
Iseckimim			
Description:			

escription:			
computers with se	cRMM installed		
ueries: Vamespace	Query		Add
			Remove
			Edit
		Save	Cance

In the Query field, type (or cut and paste): SELECT Name FROM ____NAMESPACE WHERE Name = 'secRMM'

WMI Query	×
Namespace:	
root\CIMv2	Browse
Query:	
SELECT Name FROMNAMESPACE WHERE Name = 'sec	RMM'
	-
	_
ок	Cancel

Note: There appears to be a bug in **Windows 2012 R2** that will show the following Warning. You can safely ignore this warning.

	Warning	x
	Either the namespace entered is not a valid namespace on the local computer or you do not have access to this namespace on this computer. It is possible this is a valid namespace on the remote computer(s). If you wish to use this namespace, press OK. Press cancel to choose another namespace.	
	OK Cancel	

secRMM		×
Name: secRMM Description: Computers with se Queries:	cRMM installed	
Namespace root\CIMv2	Query SELECT Name FROMNAMESPACE WHERE Name = 'secRMM'	Add Remove Edit
	Save	Cancel

Now the GPO WMI Filter is created.

E Group Policy Management	
🔜 File Action View Window Help	
🗢 🔿 📶 📋 🙆 🖥 🖬	
 Allow Remote Administration Default Domain Policy secRMMCentral WinRM and Event Forwarding Comp Policy Objects Group Policy Objects _secRMM_SalesAndMarketing Allow Remote Administration Default Domain Controllers Policy Default Domain Policy secOutlook Event Log Backup and Clear secRMM Installation v1.0 secRMM Installation v5.6.0.3 secRMM Installation v5.9.0.0 secRMM Installation v5.9.0.0 secRMM License File secRMM License file dist - file copy secRMM SafeCopy Firewall Exception 	WMI Filters in squadra.com Contents Delegation Name Description SecRMM Computers with secRMM installed

Now click back on the GPO you created.

🛃 Group Policy Management	
🔜 File Action View Window Help	_B×
(= =) 🖄 🖬 🖺 🗶 Q 📝 🖬	
Allow Remote Administration Default Domain Policy secRMMCentral WinRM and Event Forwarding Group Policy Objects Jefault Domain Controllers Group Policy Objects Jefault Domain Controllers Policy Default Domain Policy SecRMM SalesAndMarketing Allow Remote Administration Default Domain Policy SecCutlook Event Log Backup and Clear secCutlook Installation v1.0 secRMM Installation v5.6.0.3 secRMM Installation v5.9.0.0 secRMM Installation v5.9.0 secRMM	SecRMM License File Scope Details Settings Delegation Links Display links in this location: squadra.com The following sites, domains, and OUs are linked to this GPO: Location ▲ Image: Security Filtering The settings in this GPO can only apply to the following groups, users, and computers: Name Add Remove Properties WMI Filtering This GPO is linked to the following WMI filter: (none>

Select the secRMM WMI Filter you just created.

🛃 Group Policy Management	
🔣 File Action View Window Help	_8×
🗇 🔿 🙍 🙆 👔	
Allow Remote Administration Allow Remote Administration Cefault Domain Policy SecRMMCentral WinRM and Event Forwarding Comp Policy Objects SecRMM_SalesAndMarketing Allow Remote Administration Default Domain Controllers Policy Default Domain Controllers Policy Default Domain Controllers Policy Default Domain Controllers Policy Default Domain Policy SecRMM Event Log Backup and Clear SecOutlook Event Log Backup and Clear SecRMM Event Log Backup and Clear SecRMM Installation v5.6.0.3 SecRMM Installation v5.0.0 SecRMM Installation v5.9.0.0 SecRMM Installation v5.9.0.0 SecRMM License file SecRMM License file dist - file copy SecRMM License file dist - file copy SecRMM License file dist - logon script SecRMM SafeCopy Firewall Exception SecRMM Event GPOS WMI Filters Stater GPOS Sites Group Policy Modeling Coup Policy Results	SecRMM License File Scope Details Settings Delegation Links Display links in this location: squadra.com ▼ The following sites, domains, and OUs are linked to this GPO: Ink Enabled Path Location ▲ Enforced Link Enabled Path Image: Control of a link of the following steps, and computers: Name ▲ Security Filtering The settings in this GPO can only apply to the following groups, users, and computers: Name Name ▲ ▲ ▲ Add Remove Properties WMI Filtering This GPO is linked to the following WMI filter: Open Image: SecRMM Image: SecRMM Image: SecRMM
🎢 Start 🐰 ⊿ 🤶 🗾	



🛃 Group Policy Management	
🔜 File Action View Window Help	_8×
(= =) 2 📰 Q 🔋 🖬	· · · · · · · · · · · · · · · · · · ·
Image: Second	secRMM License File Scope Details Settings Delegation Links Display links in this location: squadra.com ▼ The following sites, domains, and OUs are linked to this GPO: ▼ ▼ Location ▲ Enforced Link Enabled Path Image: Control A Enforced Link Enabled Link Enabled Image: Control A Enforced Link Enabled Link Enabled Image: Control A Enforced Link Enabled <

Linking the license file GPO

The final step is to "link" the GPO you just created to computers in your domain. In the screenshot below, we will link the GPO so that all the computers in the domain (with secRMM installed; this is because of the WMI Filter) get the secRMM license file copied to it.

🛃 Group Policy Management	
🔜 File Action View Window Help	_8×
(+ -) 🖄 🖬 🖹 💥 🖸 📝 🖬	,
Image: Construct of the second of the sec	secRMM License File Scope Details Settings Delegation in this location: squadra.com Image: stes, domains, and OUs are linked to this GPO: g sites, domains, and OUs are linked to this GPO: Image: stes, domains, and OUs are linked to this GPO: Image: stes, domains, and OUs are linked to this GPO: Image: stes, domains, and OUs are linked to this GPO:
Active Directory Users and Computer	rs Itering in this GPO can only apply to the following groups, users, and computers:
secRN Properties	
secRMM License File	Add Remove Properties
secRMM SafeCopy Firewall Exception secRMMCentral WinRM and Event Forward WMI Filters	WMI Filtering This GPO is linked to the following WMI filter: secRMM Open
Select an existing GPO and link it to this container	,
🍂 Start 🛃 🗾	1/15/2015

Select	t GPO	×
Look	in this domain:	
	squadra.com	-
Group	p Policy objects:	
	Name 🔺	
	secRMM Event Log Backup and Clear	
	secRMM Installation v5.6.0.3	
	secRMM Installation v5.8.0.0	
	secRMM Installation v5.9.0.0	
	secPMM Installation v6 0.2.0	
	secRMM License File	
	secrimination in the copy	
	secRMM License file dist - logon script	
	secRMM SafeCopy Firewall Exception	
	secRMMCentral WinRM and Event Forwarding	•
	ОК	Cancel

Troubleshooting

This section helps you troubleshoot your Active Directory environment when the software does not get deployed.

gpupdate and gpresult

Microsoft gives you command line programs when working with Active Directory GPO. These programs are gpupdate and gpresult.

To use gpupdate, go to a computer in the domain that is targeted to have the GPO applied to it. Open a CMD (DOS) window in Administrator mode (UAC). To force the GPOs to run, you type gpudate /force. You will see output as shown below.

	Administrator: cmd - Shortcut - goundate /force	_ 🗇 🗙 🗌
	Administrator. cnid - shortcut - gpupdate /force	
C:\ <mark>>gpupdate /force</mark> Updating poincy		Â
Computer Policy upda	te has completed successfully.	
The following warnin	gs were encountered during computer policy process:	ing: ≣
The Group Policy Cli one or more setting p or user logon. The letely before the ne ow startup and boot User Policy update h	ent Side Extension Software Installation was unable s because the changes must be processed before syst system will wait for Group Policy processing to f xt startup or logon for this user, and this may res performance. as completed successfully.	e to apply tem startu inish comp sult in sl
For more detailed in html from the comman	formation, review the event log or run GPRESULT /H d line to access information about Group Policy res	GPReport. sults.
Certain Computer pol	icies are enabled that can only run during startup	
OK to restart? (Y/N)		

You can respond that it is OK to restart the computer by typing the letter Y. When you type the Y, you will see Windows being the reboot.



If you watch the screen while the computer is rebooting, you will see new software being installed as shown below.



Once the computer restarts, the GPO rules for the computer will be applied. You can check that the GPO was applied to the computer by using the gpresult program.

To use gpresult, open a CMD (DOS) window in Administrator mode (UAC). Type gpresult /scope computer /h gpreport.html³. The output of the gpresult is stored in the file gpreport.html.



Now, just type gpreport.html at the command line and Windows will invoke your default browser to display the gpreport.html file.

C 3 .	Administrator: cmd - Shortcut
C:\>gpreport.html_	

A browser will open. Look for the secRMM installation in the report as shown below.

³ You need to make sure the file gpreport.html does not already exist. If it does, just delete it or use a different name for the output file.

mputer Details				
eneral				
Computer name		CONTOSO\D	2	
Domain		CONTOSO.co	m	
Site		Default-First-Si	te-Name	
Organizational Unit		CONTOSO.co	m/Domain Controllers	
Security Group Membership		show	show	
omponent Status				
Component Name	Status	Time Taken	Last Process Time	
Group Policy Infrastructure	Success	203 Millisecond(s)	1/20/2015 10:51:30 AM	
Registry	Success	110 Millisecond(s)	1/20/2015 10:34:05 AM	
secRMM Group Policy	Success (no data)	250 Millisecond(s)	1/20/2015 10:46:29 AM	
Security	Success	1 Second(s) 281 Millisecond(s)	1/20/2015 10:34:06 AM	
Software Installation	Success	13 Second(s) 141 Millisecond(s)	1/20/2015 10:41:29 AM	
ttings				
olicies				
Software Settings				
Installed Applications				
secRMM x64				
Winning GPO		secRMM Ins	tallation v6.0.3.0	
Product Information				
Name		secRMM x6	4	
Version		6.0		
Language		English (Unit	ed States)	
Platform		x64		
Support URL				
Deployment Information				
General		Setting		
Deployment type		Assigned		
Deployment source \\DC\v6.0.3.0\secRMMInstallx6			3.0\secRMMInstallx64.msi	
Uninstall this application whe	n it falls out of the scope of managen	nent Enabled		

If you do not see the secRMM installation in the report, then it is likely that when you associated the GPO to the computers in your domain, this computer was not in the group you targeted. Please contact Squadra Technologies support and we can help you troubleshoot further.

Windows 7

If you find that the secRMM GPO install is failing on Windows 7, look for event id 1055 in the System event log. If there is an event id 1055 in the System event log, please follow the Microsoft KB article https://support.microsoft.com/en-us/kb/2421599 to resolve the issue.

Contacting Squadra Technologies Support

Squadra Technologies Support is available to customers who have purchased a commercial version of secRMM and have a valid maintenance contract or who are in a trial mode of the product. When you contact Support please include the following information:

1. The version of secRMM you have installed.

- 2. The Windows versions you have installed: XP, 2003 Server, 2008 Server R2, Vista, Windows 7, etc.
- 3. The version of Active Directory server you have installed.
- 4. Whether the Windows Operating System is 32bit or 64bit.
- 5. The specific issue you are contacting support for.

About Squadra Technologies, LLC.

Squadra Technologies delivers innovative products that help organizations get more data protection within the computer infrastructure. Through a deep expertise in IT operations and a continued focus on what works best, Squadra Technologies is helping customers worldwide. Contacting Squadra Technologies. LLC.

Phone	562.221.3079 (United States and Canada)
Email	info@squadratechnologies.com
Mail	Squadra Technologies, LLC.
	World Headquarters
	7575 West Washington Ave. Suite 127-252
	Las Vegas, NV 89128
	USA
Web site	http://www.squadratechnologies.com/