

V-locity[®] Management Console (VMC) 7.0 Installation Guide

Contents

/MC Architecture Overview and System Requirements	2
Steps to Install the VMC	4
/MC Setup	6
Deploy V-locity using the VMC	7
Deploy V-locity using Third-Party Deployment Tools	9
Quick Tips for Using V-locity	. 10
Appendix	.11
How to deploy V-locity using System Center Configuration Manager (SCCM) 2012	.13

VMC Architecture Overview and System Requirements

The VMC is the framework that facilitates policy-based centralized management of V-locity throughout your managed environment. Information is displayed in one central interface to show information collected from all instances of V-locity in your environment.

The VMC contains two different installed pieces. They are the Master Node and V-locity. The VMC interface is accessed via a supported web browser.



Master Node

The Master Node acts as a server where the main console component is installed. This part of the software architecture collects and stores information from instances of V-locity on the systems in your managed environment. The Master Node then serves the information to a webbrowser interface.

The Master Node installation runs on the Intel® x64 platforms (including compatible CPUs from other manufacturers) on the following Windows[®] operating systems:

• Windows Server 2008 R2, 2012 / 2012 R2, 2016

Minimum System Requirements for Master Node Installation:

• At least 4 GB of available memory

Note: It is recommended that the Master Node is a on a dedicated system.

V-locity Component Installation Support

V-locity runs as a service on a system in your managed environment and provides information about the work it does back to the Master Node.

V-locity runs on the Intel® x86/x64 platforms (including compatible CPUs from other manufacturers) running supported virtual machines and physical servers on the following Windows operating systems:

- Windows 7
- Windows 8
- Windows 8.1
- Windows 10
- Windows Server 2008 R2
- Windows Server 2012 / 2012 R2
- Windows Server 2016

Minimum System Requirements for V-locity Installation:

V-locity Management Console (VMC) 7 Installation Guide

- 3 GB of physical memory. (4 GB recommended)
- Enough free space on the installation volume for IntelliMemory[®] technology metadata files (approximately .025% of the total space of all disks attached to the target system).
- .NET Framework 4.0 required for the V-locity 6.2 local UI. Regardless of the local UI availability, the product can still be installed and the V-locity Management Console can be used to manage and configure V-locity.

Web Browser Interface – Accessing the VMC

When accessing the VMC from the Master Node, enter http://localhost in the address bar of a supported web browser (Internet Explorer version 9 and above).

When accessing the VMC from a remote system, enter http:// followed by the IP.ADDR or HOSTNAME of the Master Node. The complete URL takes one of these forms: http://IP.ADDR or http://HOSTNAME.

- **HOSTNAME** is a DNS name for a system that you could PING or perform network operations on.
- **IP.ADDR** is a valid IP address that you could PING or perform network operations on.

Steps to Install the VMC

Step 1

Go to <u>www.condusiv.com/account</u>, log in to your account and download the V-locity Management Console installation package file(s) and valid licenses and place them in the same folder on the system where you plan to install the "Master Node". In some cases, the installation package will already include the license files. In this case, you will not download a separate license file in addition to the installation package. Licenses are added by placing the license file in the following location on the Master Node after installation. By default, the path is: **Program Files\Condusiv Technologies\V-locity VMC**.

Step 2

Double-click the "**VMCSetup.exe**" file. The installation files will be extracted, and the installation wizard will automatically start. Click the "**Next**" button to proceed with the installation.

🐺 V-locity Management Console - InstallShield Wizard				
	Welcome to the InstallShield Wizard for V-locity Management Console			
	The InstallShield(R) Wizard will install V-locity Management Console on your computer. To continue, dick Next.			
V-locity Management Console	WARNING: This program is protected by copyright law and international treaties.			
	< Back Cancel			

Step 3

On this screen of the installation wizard, enter a password to use when accessing the VMC. When you are satisfied with your password, click the "**Next**" button to continue with the installation.

Note: The user name to access the VMC Console is VMCADMIN

V-locity Manag	gement Console - Inst	allShield Wizard		X
Enter crede Console.	ntials to use when a	ccessing the V-I	ocity Managemen	t Conclus
The user na	me to access the V-lo	city Management	Console is:	
VMCADMIN				
Specify a pa Password:	ssword to use when a	ccessing the V-lo	city Management (Console.
Re-type Pas	sword:			
 (Note: The u	ser name and passwo	ord are case sens	iitive)	
tallShield		< Back	Next >	Cancel

Step 4

On this screen of the installation wizard, you need to specify a **domain** (example: CS.net), and a user name (example: CS\username) and password that the VMC will use during the discovery of your environment. We recommend that you use domain administrator credentials so that the VMC will have access to most or all of the systems in your managed domain (you can use credentials that are not domain administrator credentials, but you will only be able to manage systems that the credentials have permission to access). This step of the installation

Enter Domain ci	edentials to use f	or Environme	ent Discovery		Cond
Specify a Domair use for discovery	n, User Name and F of your environmer	Password for the	he V-locity Man	agement Cor	nsole t
Domain:					
User Name (Don	ain\Username):				
User Name (Dom	iain\Username):				
User Name (Dom	iain\Username):				
User Name (Dom Password:	ain\Username):				
User Name (Don	iain\Username):				
User Name (Don	iain\Username):				

allows the VMC to immediately begin the discovery of your environment after installation. If you plan on managing more than one domain, you will be able to add other domains from within the VMC interface after installation. Click the "**Next**" button to proceed.

Step 5

This is the last screen of the installation wizard. Click the "**Finish**" button to complete the installation and exit the installation wizard.

₩V-locity Management Consc	le - InstallShield Wizard	×
	InstallShield Wizard Completed	
	The V-locity Management Console installation has completed successfully.	
V-locity Management Console		
	Click Finish to exit the wizard.	
	< Back Finish Cano	cel 📄

VMC Setup

Use Microsoft[®] Internet Explorer (version 9 or above) to access the VMC user interface as described earlier in this document. When the VMC is first opened, some initial setup steps are needed before the framework is ready to use. These steps include providing a domain, credentials and ensuring licenses are available.

Step 1 – LDAP Scan

The VMC does an LDAP scan to identify the systems on the domain you entered during installation.

When you first open the VMC, the LDAP scan of your environment may still be in progress. If this is the case, you will need to wait for the scan to finish. Once the LDAP scan is complete you are brought to the VMC Dashboard.

V-IOCITY Management Connole		VMC Discovery
	Cicse Next Refine LDAP Scen (Optional)	
	Welcome to the V-locity Management Console (VMC)	
	LDAP Scan in Progress 2N of 13,234 records processed.	
	The LDAP scan process identifies systems in your environment and may take a while depending on the number of systems in your domain.	
	Close Next Refine LDAP Scan (Optional)	

Step 2 – Manage Licenses

When you first open the user interface, the VMC will check to see if you have licenses available. To request a volume license quote, go to <u>this link</u>, or talk to your sales representative to request a quote and purchase licenses.

Once purchased, download and place the license file in the following location on the Master Node (the system where you installed the VMC):

Program Files\Condusiv Technologies\V-locity VMC

Click on the Add / Rename License button located in the Licensing Overview section on the Manage Licenses screen to add and name new licenses that have been manually placed at the location above.

Note: It is highly recommended that you read the "Getting Started" topic in the VMC help system to help you get started using the VMC.

Deploy V-locity using the VMC

Navigation

Click on the Deploy V-locity option in the Selected System Actions menu on the My Environment screen or the Deploy V-locity link on the V-locity Dashboard to initiate a V-locity deployment.

Description

V-locity provides a variety of features, all of which are designed to help you get the best performance from the systems in your environment.

Creating a Job

Like most actions in the VMC, when you deploy V-locity, you are creating a job that is scheduled to run either now or in the future.

Steps to Deploy V-locity

Step 1 – Select Systems

A job always starts by selecting a system or systems on which to perform an action. There are a few ways to select a system or systems to which you want to deploy V-locity. They are:

- In the First Screen of the Deployment job creation wizard

 Click the Deploy V-locity link on the V-locity Dashboard to initiate the deployment of V-locity. Once you are in the deployment job creation wizard, the first screen you are presented with will allow you to select a system or systems to which you want to deploy V-locity.
- Select a System or Systems in My Environment First – After selecting systems in the results pane of the My Environment screen, click on the Deploy V-locity link in the Selected System Actions menu to initiate a deployment of one or more instances of V-locity to the systems you have selected.

Job Details	Selected S	ystems (20)					Edit Systems
Name:	System Name		•	Operating System	Туре	Installed Component	
(Unique Job Name)	🗆 🧅 SY3	SFERKXQDZ		Windows 8	Physical	Management Console 5.0	
Selected Group: (existing group name)	🗆 🧅 sr:	BUUKPWRH		Windows 8	Physical	V-locity 5.2	
Selected Systems:	🗆 🧇 sva	SXIXXVHCUE		Windows 7	Virtual	V-locity 5.2	
Group Description:	🗆 🧼 SYS	STAAGZIIM		Windows 7	Virtual	V-locity 5.3	
The description that the user gave this group goes in this area.	🗆 🧅 SYS	SPODRRZLJ		Unknown	Unknown	N/A	
	🗆 🧅 SYS	SLGRRJFOR		Unknown	Unknown	N/A	
Job Schedule (schedule summary)	🗆 🧼 sys	SHWUCBLCO		Windows 8	Virtual	V-locity 5.3	
Job Notes:	🗆 🔹 sys	SDMXNTRFW		Windows 8	Virtual	System Manager 1.0	

After you have selected systems for the deployment of V-locity, the selection is validated and if there is an issue found, you will be presented with a screen indicating what the issue is and the appropriate action to continue or cancel.

Step 2 – Job Details

Next you are presented with the Job Details screen of the job creation wizard. In the Job Details screen you may enter a unique name for the job and review/edit your selection of systems.

During this step of the job creation wizard, you may be given grouping options. If your selection of systems match an existing group, the group name and description is displayed and is not editable.

					(Produ	uct Name)	- (Flow Name
		Cancel	Next				
Job Details Name:		Selected Systems					Edit Systems
(Unique Job Name)		1- 10 of 1 items 10 👻 1	Per Page	< Page	1 -	of 1 >	
Selected Group: (existing group name)		System Name	Operating		Managed	System	Activity
4 Group Description: description							
Configuration Policy: VM ConfigurationPolicy	B						
Job Schedule:							

If your selection does not match an existing group, you are presented the option to create a new Custom System Group using your selected systems. If you would like to create a new Custom System Group using your selection of systems, select Yes and you may enter a unique group name and a description. When you complete the job creation wizard, your new Custom System Group will be accessible from the My Environment screen.

Step 3 – Configuration Policy Information

Next you are presented with the Configuration Policy screen of the job creation wizard. During deployment, a default policy is applied to your selected systems based on the detected target system type (virtual machine or physical machine).

To modify a configuration after deployment, run an Apply Configuration Policy job.

Configuration Policy:

Step 4 – Job Schedule

Use the controls in this step of the job creation wizard to choose to run the job now, or schedule the job for a later date.

Click Finish on this screen to save the deployment job and return to the screen from which you initiated the job. When you schedule a job to run (either now or in the future) the job will appear in the Job Queue section of the V-locity Dashboard.

V-locity Management Constant		
	Back Canoel Pinish	
Job Details	Job Schedule	
Name:	Now	
(Unique Job Name)		
Selected Systems: 4	K Interont unacuma suce (nor (Aba) costituates	
Create a Group for Selected Systems:		
● Yes ○ No		
Group Name:		
(Unique Group Name)		
Group Description:		
0		
Configuration Policy: Default	N.	
Job Schedule	1	

Deploy V-locity using Third-Party Deployment Tools

V-locity can be deployed to systems in your environment using third-party deployment tools (such as Microsoft SCCM).

Note: after you deploy V-locity with a third-party deployment tool, you must use the VMC to license each instance of the product before it can start providing performance benefits.

To deploy V-locity using a third-party deployment tool, use the **VMCENSetup.exe** installer located at the following location on the Master Node (the system where you installed the VMC):

C:\Program Files\Condusiv Technologies\V-locity VMC\V-locity\Installs

When V-locity is deployed to a system, a dial-home component of V-locity requires some information about the home server (the Master Node is the home server):

• Home server (Master Node) DNS name (FQDN) or IP address

This required information is passed as a parameter to the silent install using your third-party deployment tool. The installer then writes it as a text file stored at (C:\Program Files\Condusiv Technologies\V-locity EndNode\DialHomeInfo.txt).

A typical parameter string would look like the following:

"HomeName:vmc.my.domain"

Where "vmc.my.domain" would be the DNS resolvable name where the VMC Master is installed. This is used by the software to send a notification that the product has been installed on the target system (end-node).

* A list table of all available dial-home parameters is listed in the appendix section of this document.

Quick Tips for Using V-locity

Note: It is highly recommended that you read the "Getting Started" topic in the VMC help system to help you get started using the VMC.

A more detailed description of the following functions may also be found in the VMC help system:

Manage Environment and Credentials

- **Navigation** Click on the Manage Environment and Credentials option in the Administration or Quick Links menu to navigate to the Manage Environment and Credentials screen.
- Description The Manage Environment and Credentials screen allows you to add and remove items within your environment and manage credentials of items that are experiencing problems with their credentials.

Deploy V-locity

- Navigation Click on the Deploy V-locity option in the Selected System Actions menu on the My Environment screen or the Deploy V-locity link on the V-locity Dashboard to initiate a V-locity deployment.
- **Description** V-locity provides a variety of features, all of which are designed to help you get the best performance from the systems in your environment.

V-locity Dashboard

- **Navigation** Click on the V-locity tab in the main navigation bar to navigate to the V-locity dashboard.
- **Description** The V-locity dashboard presents information collected from all managed instances of V-locity in your environment.

Configure V-locity Settings – Apply Configuration Policies

- Navigation Click on the Apply Configuration Policy option in the Selected System Actions menu on the My Environment screen or the Apply this Policy to Systems lineitem Action menu option on the V-locity Configuration Policies screen to initiate an Apply Configuration Policy job.
- **Description** A configuration policy is used to control how each instance of V-locity optimizes the system to which it is deployed.

Manage V-locity Reports

- **Navigation** Click on the Reports submenu item in the main navigation bar under the V-locity tab or click on the Manage Reports option in the V-locity section of the Quick Links menu to navigate to the V-locity Reports screen.
- **Description** V-locity provides three types of reports a Benchmark Data Report, a Recent Activity Report and a 7 Day Performance History Report.

My Environment

- **Navigation** Click on the My Environment tab in the main navigation bar to navigate to the My Environment screen.
- **Description** The My Environment screen is a place where you can view all known systems in your managed environment. This screen is divided into two areas a left and right pane. The left-pane is strictly navigational and is used to find systems in your environment. The right-pane is a combined list of systems that reside within the items selected in the navigational left-pane. This screen allows you to select systems from different areas in your environment and perform actions on them.

Appendix

As described earlier in this document, V-locity can be deployed to systems in your environment using third-party deployment tools (such as SCCM).

* Below is a table of the available dial-home parameters:

Parameter	Shortened	Description	Default
HomeName	HN	Home server's FQDN or IP address –	
		Set this parameter to identify the system that is	
		running the VMC.	
Llama Dart		(This parameter is required)	440
HomePort	ПР	If the port used by the VMC is not the default	443
		port set this parameter to identify the port you	
		are using.	
		(This parameter is not required if you are using	
		the default port on the Master Node)	
HomeSSL	HS	Home server's SSL configuration –	Υ
		Related to the HomePort. Enables or disables	
		the secure socket layer protocol for that port.	
		(This parameter is not required if you are using	
		the default Secure Socket setting on the Master	
SystemName	SN	Node) System's FODN or IP address –	
Systeminame	511	Set this parameter to specify the name of the	
		target system to which you are deploying V-	
		locity if the FQDN of this system locally is not	
		available to the VMC Master via an LDAP scan.	
		(This parameter is optional)	
AgentPort	AP	Agent's TCP/IP port –	13568
		If the port used by the end node is not the	
		default port, set this parameter to identify the	
		This parameter is not required if you are using	
		the default port on the end node)	
AgentSSI	AS	Agent's SSL configuration –	Y
rigeniceE	/ 10	Related to the AgentPort. Enables or disables	
		the secure socket layer protocol for that port.	
		(This parameter is not required if you are using	
		the default Secure Socket setting on the end	
		node)	
StartupMode	SM	V-locity Startup mode (Normal or Paused) –	Normal
		Set this parameter to start V-locity in one of two	
		immediately after first repeat and initiate a	
		Benchmark Data Collection When set to	
		"Paused" V-locity will not start immediately	
		after first reboot.	
		(This parameter is optional)	

V-locity Management Console (VMC) 7 Installation Guide

BAPhase1	BA1	Benchmark analysis phase 1 (pre) – Set this parameter to define the amount of time, between 0 and 168 hours, you would like an automatic Benchmark Data Collection to wait before starting. (This parameter is optional)	0
BAPhase2	BA2	Benchmark analysis phase 2 (analysis) – Set this parameter to define the amount of time, between 2 and 168 hours, you would like the "before V-locity benefits" analysis phase of an automatic Benchmark Data Collection to take. (This parameter is optional)	24
BAPhase3	ВАЗ	Benchmark analysis phase 3 (optimize) – Set this parameter to define the amount of time, between 2 and 168 hours, you would like the improvement implementation phase of an automatic Benchmark Data Collection to take. (This parameter is optional)	24
BAPhase4	BA4	Benchmark analysis phase 4 (post) – Set this parameter to define the amount of time, between 2 and 168 hours, you would like the "after V-locity benefits" analysis phase of an automatic Benchmark Data Collection to take. (This parameter is optional)	24

A string using all of the available parameters would look like the following:

"HomeName:vmc.master.fqdn, HomePort:(*port number or blank if default*), HomeSSL:(*Y or N – default=N*),SystemName:my.endnode.dnsname.to.use, AgentPort:(*port number*), AgentSSL:(*Y or N*)"

A shortened version of each parameter may be used when creating a string to pass in a thirdparty deployment tool. Use the information in the table above to identify the shortened version of the parameter you wish to use.

An example of a shortened parameter string using all of the available parameters would look like the following:

HN:vmc.master,HP:1234,HS:N,SN:mynode.domain,AP:2345,AS:N

How to deploy V-locity using System Center Configuration Manager (SCCM) 2012

This section describes how to create an application with Microsoft System Center Configuration Manager (SCCM) that can be used to deploy V-locity. Keep in mind that before doing this, a working setup of the VMC is needed, and the VMC master system has to be visible to all the systems to which you plan to deploy V-locity.

1. Within the SCCM console, Navigate to **Software Library** -> **Applications**, and click on **Create Application**

Home Folder		
🏥 🕨 🗾		
Create Import Saved Application Application Searches •		
Create Search		
← → ▼ 📰 \ > Software Librar	y 🕨 Overview 🕨 Applicatio	on Management Applications
Software Library	1	Create Application Wizard
Overview Deplication Management Applications	General	
 Application Management Applications Packages Approval Requests Global Conditions App-V Virtual Environments Windows Sideloading Keys Software Updates Operating Systems 	General Import Information Summary Progress Completion	Specify settings for this application Applications contain software that you can deploy to users and devices in your Configuration Manager environment. Applications can contain multiple deployment types that customize the installation behavior of the application. • Automatically detect information about this application from installation files: Type: • Windows Installer (*ms file) • Certains • Example: \\Server\Share\File • Manually specify the application information
		< Previous Next > Summary Cancel

- 2. Select Manually specify the application information, and then click Next
- 3. Provide the name, and any other information that helps in recognizing the V-locity application, and then click **Next**

1	Cre	eate Application Wizard		x		
General Informat	tion					
General General Information Application Catalog	Specify information	about this application				
Deployment Types	Name:	Vlocity				
Summary Progress	Administrator comments:			 × 		
Completion	Publisher:	Condusiv Technologies	Software version: 5.3.	34		
	Optional reference:					
	Administrative categories:		^ ~	Select		
	Date published:	1/15/2015				
	Allow this application to be installed from the Install Application task sequence action without being deployed					
	Specify the administrative u	sers who are responsible for this ap	plication.			
	Owners:			Browse		
	Support contacts:			Browse		
		< Previous	Next > Summar	Cancel		

- 4. Click **Next** on the next screen
- 5. In Deployment Types, click on Add

1	Cr	b	Create Deployment Type Wizard
Deployment Types		General	
General General Information Application Catalog	Configure deployme application	General General Information Content	Specify settings for this deployment type
Deployment Types	Deployment types include i	Detection Method	Deployment types include information about the installation method and source files for this application.
Progress	Deployment types:	Requirements	Type: Windows Installer (*.msi file)
Completion	Fiber Phorty Name Type	Dependencies Summary Progress Completion	Automatically identify information about this deployment type from installation files Location: Example: \\Server\Share\File Manually specify the deployment type information
			< Previous Next > Summary Cancel

- 6. Select Manually specify the deployment type information and then click Next.
- 7. Enter V-locity in the name field and then click **Next**
- 8. Provide the content location (VMCENSetup.exe), and use the following command to install V-locity:

VMCENSetup.exe "HomeName:vmc.my.domain" where "vmc.my.domain" is the DNS resolvable name where the VMC Master is installed. This is used by the software to send a notification that the product has been installed on the End Node.

8	Create Deployment Type Wizard	x				
Content						
General General Information Content	Specify information about the content to be delivered to target devices					
Detection Method User Experience	Specify the location of the deployment type's content and other settings that control how content is delivered to target devices. All the contents in the path specified will be delivered.					
Requirements Dependencies	Content location: \\InstallPath\Wootly5.3 Browse Persist content in the client cache]				
Progress	Allow clients to share content with other clients on the same subset					
Completion	This option allows clients that use Windows BranchCache to download content from on-premises distribution points. Content downloads from cloud-based distribution points can always be shared by clients that use Windows BranchCache. Specify the command used to install this content.					
	Installation program: VMCENBetup.exe "HomeName:vmc.my.doma Browse					
	Installation start in:					
	Configuration Manager can remove installations of this content if an uninstall program is specified below.	-				
	Uninstall program: Browse					
	Uninstall start in:	_				
	Run installation and uninstall program as 32bit process on 64bit clients.					
	< Previous Next > Summary Cancel					

- 9. Click on Add Clause
- Use File System on Settings type, choose File as Type, use the following path: C:\Program Files\Condusiv Technologies\V-locity EndNode\VMC Enter CMC.exe in the File or Folder name field

	Detection Rule	x				
Create a rule that indic	cates the presence of this application.					
Setting Type:	File System	~				
Specify the file or folde	er to detect this application.					
Туре:	File V					
Path:	C:\Program Files\Condusiv Technologies\V4ocity EndNode\VMC Browse					
File or folder name:	CMC.exe					
	✓ This file or folder is associated with a 32-bit application on 64-bit systems.					
 The file system setting must exist on the target system to indicate presence of this application The file system setting must satisfy the following rule to indicate the presence of this application 						
Property:	Date Modified					
Operator:	Equals	-				
Value:						
	OK Cancel					

- 11. Choose the Installation behavior that suites your environment and then click Next
- 12. Click Next on all other screens until it's done
- 13. Finally, right-click on **V-locity** and then click on **Deploy** and follow the screens to deploy V-locity on any desired collection

© 2016 Condusiv Technologies Corporation. All Rights Reserved.

Condusiv, V-locity, and IntelliMemory are registered trademarks or trademarks of Condusiv Technologies Corporation in the United States and other countries.

Microsoft, Windows, and System Center Configuration Manager (SCCM) are registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

All other trademarks are the property of their respective owners.