Vyapin Virtualization Management Suite



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Vyapin Software Systems Private Limited

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General Information

About Vyapin Virtualization Management Suite

System Requirements

How to purchase?

How to register the software?

Technical support

About Vyapin Virtualization Management Suite

Vyapin Virtualization Management Suite is a powerful solution for auditing, managing and monitoring virtual machines across your entire Windows network. The Vyapin Virtualization Management Suite consists of three modules - the VM Reports module, the VM Performance Analyzer module and the VM Performance Monitor module.

VM Reports Module: With the VM Reports module you can perform a complete scan for all installed VMs in your network. You can perform an automated inventory of VMs and their configuration at regular intervals and keep a constant watch on the health of your Hyper-V Servers. The solution provides a variety of audit reports that are simple, elegant and highly customizable for System Administrators, IT infrastructure Managers and Systems Audit personnel to use and act on.

VM Performance Analyzer Module: With the VM Performance Analyzer module you can analyze the performance history of Hosts and VMs in your network. You can collect performance metrics at regular intervals of time and then analyze these performance metrics over a period of time. You can perform a Trend analysis of various loads by charting the history of important performance variables related to CPU, Memory, IO and Network. The Analyzer module assists you in Capacity Planning of future workloads by letting you analyze current workloads by aggregating data from pre-defined intervals of time such as Daily, Weekly and Monthly subsets of data.

VM Performance Monitor Module: VM Performance Monitor module is a resource monitoring tool that collects performance metrics for Hyper-V hosts and their VMs and lets you monitor important CPU, Memory, IO and Network resources in real time using charts and tables.

Vyapin Virtualization Management Suite has been architected using the latest Microsoft .NET technology, bringing you the best-in-breed reporting solution for your entire Hyper-V Servers. Vyapin Virtualization Management Suite is highly optimized for performance (using native Windows API calls wherever appropriate), resulting in fast data collection of deeply embedded configuration data. Imagine scanning your vast network of Hyper-V servers without having to wait forever to see your reports! You can create data subsets for your network using our powerful scan options and meaningfully segment your entire network for data collection and reporting.

System Requirements

Processor	Intel Pentium processor
Disk space & Memory	512 MB RAM and minimum of 20 MB of free disk
	space
Operating Systems	Windows 10 / Windows 8.1 / Windows 8 / Windows 7 / Windows Server 2012 R2 / Windows
	Server 2012 / Windows Server 2002 R2 / Windows
	Server 2008 / Windows Server 2003 with .NET
	Framework 4.0 or higher with the latest service
	packs
Database	Microsoft SQL Server 2012 (Enterprise / Standard
	/ Developer / Express edition) or Microsoft SQL
	Server 2008 (Enterprise / Standard / Developer /
	Express edition) or Microsoft SQL Server 2005
	(Enterprise / Standard / Developer / Express
	edition) running in local / remote computer with
	latest Service Pack
Software	MDAC v2.5/2.6/2.8

For the computer running Vyapin Virtualization Management Suite

For the Hyper-V Servers reported by Vyapin Virtualization Management Suite

Microsoft Hyper-V Server 2012 R2 / Microsoft Hyper-V Server 2012 / Microsoft Hyper-V Server 2008 R2 / Microsoft Hyper-V Server 2008 with Microsoft Windows Management Instrumentation Service enabled.

How to Purchase?

You can purchase Vyapin Virtualization Management Suite online from our website <u>http://www.vyapin.com/</u>. Please contact our Sales department at <u>sales@vyapin.com</u> for sales and price related queries.

How to register the software?

Once you purchase the software online or through any one of our resellers, you will receive a sale notification through e-mail from our sales department. We will send you an e-mail with the necessary instructions to activate the software.

In case you do not receive an e-mail from our sales team after you purchase the software, please send the following information to our sales department at sales@vyapin.com with the sales order number:

- Company Name : End-user Company Name
- Location : City & Country for the Company Name given above

Please allow 12 to 24 hours from the time of purchase for our sales department to process your orders.

(Register Vyapin Virtualization Management Suite	
	License Type: Reports - Evaluation Copy, Performance Analyzer - Evaluation Copy, Performance Monitor - Evaluation Copy To register the software, copy and paste the license key in the textbox below. See example	

Register screen

Perform the following steps to activate the software:

- 1. Download evaluation/trial copy of software from the respective product page available in our website at http://www.vyapin.com/
- 2. Install the software on the desired computer.
- 3. You will receive a license key through e-mail as soon as the purchase process is complete.
- 4. Click 'Activate' in File -> About -> Activate menu to see the Activate dialog (as shown in Image 1).
- 5. Copy the license key sent to you through email and paste it in the 'License Key' textbox. For help on how to copy the license key, click 'Click here to see how to copy and paste the license key' link in the Activate dialog (as shown in Image 2).

How to copy license key 🧮	X)
BEGIN LICENSE KEY (COPY BELOW THIS LINE) Select and then Copy the selected text	~
MIICfAYJKwYBBAGCN1gDoIICbTCCAmkGCisGAQQBgjdYAwGgggJZMIICVQIDAgABA gJm EAICAQAEEAAAAAAAAAAAAAAAAAAAAAAAEECp50T2mecXl0qWtCMtdcNWQEggIg kiq8SasIqyql9gzHGYngf9bNn4383PIBDrebhspa2CVVA7me8jGOnwrQsH9+12xGLVFi dw86p/ZgMKibs/bnE0xs6l29sQgDQazCgfyKDvNSZ24gLFQUjYx2ry6kUUsIRc1HgbuC %5vafpiqq3HGrB3GyZzkS4U14gxs39ooP2oNFBimxfQWq1dLkJ9PgTfu6bHtPWSZQ4k DIjAL8/7KKgi8Lzt2E3FISTAWKeieR6fmnnN6WgXQQ1WRM722Ag0b7ANQ0TEQY30F G7dBfQHpf2+XiskrfRlyiHRvpPZ+sLFmK3V2BTdxXGykIR4QMLtg7Qx1Yr3awJqTcon+o E9HbznsQ01Np19AluFPIQzvHW+JXqoomTq+BGTaqeSpMEdXCfkVdnQQTnTHVSNc 4bMDWdzH3VQ1CuTYR2NtNo8kyLD3sZbkYzfP+CP6qiyRmd01JgV0rjvc7siN3wlv/L04 JSbb6m/Q0zJPR9rVmLyflahGuX0pJdpKgalfLEij9PfGsQftU+2xbwFKMdPB+PFZV4mU JpQEx44MgoPhT9v+CQpq9D1A9PEx0WtYXuJh7RonOdHewMKmA=	
END LICENSE KEY (COPY ABOVE THIS LINE)	~

How to copy license key screen?

Request License Key:

- 1. Select Help -> About Vyapin Virtualization Management Suite from File.
- 2. The About Vyapin Virtualization Management Suite dialog will appear as shown below:

About VyapinVirtualizationManagementSuite
Vyapin Virtualization Management Suite
Copyright © 2015-2016 Vyapin Software Systems Private Limited. All Rights Reserved.
Email: support@vyapin.com Web: www.vyapin.com
View License Agreement
Computer Name: rd72
Full Computer Name: rd72.vsslab.local
Program Folder: C:\Program Files\Vyapin Virtualization Management Suite v2.0\
Application Data Folder: C:\Users\Public\Documents\Vyapin Virtualization Management Suite
Modules:
VM Reports v1.1.0 VM Performance Analyzer v1.0.0 VM Performance Monitor v1.0.0
License Type: 15-day Evaluation Copy
License Description: This software is meant solely for evaluation purposes only. This evaluation version exports and e-mails only the first 10 records.
You are on day: 1 of 15
Remaining Days: 14
Reguest license key Close

Click Request license key button. The Request License Key dialog will appear as shown below:

Request License Key	X
	w to request a license key to register the product. The ivered to the e-mail address stated in this form.
* Contact <u>N</u> ame:	
* C <u>o</u> mpany:	
* <u>E</u> mail:	
* <u>P</u> hone:	
	(Country Code, Area Code, Phone No.)
* O <u>r</u> der ID:	
* Full Computer Nam	e: rd71.vsslab.local
License Type:	(Optional)
	e.g., Single License, Site License
	<u>Submit</u> <u>Cancel</u>

Request License Key screen

Enter the following details and click Submit to place the license key request through email.

- **Contact Name**: End-user of the product.
- **Company:** End-user Company Name.
- Email: Email address where the license key has to be sent.
- **Phone:** Phone number with country code and area code.
- **Order ID**: Order/Transaction ID reference.
- License Type: License that was purchased.

Technical Support

Vyapin Virtualization Management Suite Frequently Asked Questions (FAQ) section is available online at our website <u>http://www.vyapin.com</u>.

Please direct all technical support questions to <u>support@vyapin.com</u>. Include the following information to expedite a response:

a) Include the version of the product you are using.

b) If the problem is associated with installation, include the steps that led to the problem.

c) If the problem is associated with usage, please state the series of steps you performed.

d) Include the version of the OS, info about any service packs or hot-fixes and local language of the OS installed.

e) Attach the Error Log File available in the common application data path of Vyapin Virtualization Management Suite (e.g., <Application Data Folder> \ Vyapin Virtualization Management Suite.Log).

Note:

<Application Data Folder> is the common area where Vyapin Virtualization Management Suite settings will be stored in the machine running Vyapin Virtualization Management Suite. The <Application Data Folder> can be found from the File -> About screen. The default path of <Application Data Folder> is as follows:

Windows 7, Windows 8, Windows 8.1, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2 - C:\Users\Public\Documents\Vyapin Virtualization Management Suite

Getting Started

Configuration Settings

Database Settings

Configuring Host Credentials

Add a host

Edit a host

Delete a host

Configure SMTP Server

User Connection Profiles

Database Settings

Vyapin Virtualization Management Suite may be configured to use either MS-Access MDB or SQL Server database for its data storage to generate reports. If you choose SQL server Vyapin Virtualization Management Suite requires an SQL Server running SQL Server 2005 / 2008 / 2012 (Enterprise / Standard / Express editions) to connect and create a new application database. Vyapin Virtualization Management Suite will connect to the specified SQL Server based on authentication mode and user credentials to manage its own application database.

You can access the Database settings by clicking **Configuration -> Configuration Settings** tab in the Vyapin Virtualization Management Suite main application window and choose Database settings, as shown below

🚱 Vyapin Virtualization Management Suite					x
File Configuration VM Reports	VM Performance Ar	nalyzer VM	Performance Monitor		
2. The second se					
Configuration					
Settings					
				Help A	bout
Configuration Settings ×					
Database Settings					
-	ata either in MS Access or	r SOL server. If w	ou choose SQL server, enter a SQL server running SQL Server 2005 / 2008 /		
			privileges to connect, create and delete database in the specified SQL server.		
					_
Database Settings	O Use MS Acc	ess (* use th i	is for evaluation purposes)		
	Use SQL Ser				
Email Settings	SQL Server:	RD26			
		e.g., MSSQLSR	N/1		
User Connection Profiles		-			
		Database Opt	non gle central database for all instances of the application	0	
Module Listing		-	arate database for each instance of the application	\bigcirc)
-					
Host Credentials (Optional)		Authentication	n Mode:		
a a		Windows A	uthentication (Currently logged on user)		
		SQL Server	Authentication		
	L	Jser Name:	sqllogin3 🔹		
		Password:	•••••		
					_
			Finish	Cancel	

User Authentication

To connect to SQL Server, Vyapin Virtualization Management Suite uses the relevant user accounts based on the authentication mode as listed below:

- **A. Windows Authentication:** In this method, Vyapin Virtualization Management Suite uses the currently logged on user account while running reports
- B. SQL Authentication: In this method, Vyapin Virtualization Management Suite uses the specified SQL user account and password while running reports. Vyapin Virtualization Management Suite stores the SQL user name and password as a user profile in 'Stored User Names and Passwords' applet for its usage.

Read <u>User Connection Profiles</u> for more details.

Note: Vyapin Virtualization Management Suite expects the user account to have sufficient privileges to create, add to and delete database in the SQL server.

Database creation

Vyapin Virtualization Management Suite creates databases in SQL Server based on the following database options (whichever is selected) as outlined below:

1. Use a single central database for all instances of the application

A new database will be created in the SQL server by the name Vyapin Virtualization Management Suite. Inside the Vyapin Virtualization Management Suite database, separate tables will be created for each installation of Vyapin Virtualization Management Suite. The table names will be prefixed with the computer name that is running Vyapin Virtualization Management Suite application. Thus, each installation of Vyapin Virtualization Management Suite will deploy its own tables based on the computer where Vyapin Virtualization Management Suite is installed. For example, if you install the software on 3 different computers, single database with 3 different tables will be created inside the single database and each installed application will generate reports separately independent of each other.

2. Use a separate database for each instance of the application

Vyapin Virtualization Management Suite creates a single application database in the default data storage location used by the SQL Server during application launch. Vyapin Virtualization Management Suite uses the following naming convention: VyapinVirtualizationManagementSuite-<COMPUTERNAME>, where COMPUTERNAME is the name of the computer running Vyapin Virtualization Management Suite.

For example, if the computer running Vyapin Virtualization Management Suite is 'CLIENT01', Vyapin Virtualization Management Suite creates 'Vyapin Virtualization Management Suite-CLIENT01' with data ('Vyapin Virtualization Management Suite-CLIENT01.mdf') and log (''Vyapin Virtualization Management Suite-CLIENT01_log.LDF') files stored in the default SQL data folder in the SQL server (for example, C:\Program Files\Microsoft SQL Server\MSSQL.1\MSSQL\Data).

Database cleanup

Vyapin Virtualization Management Suite will delete the application database while uninstalling the Vyapin Virtualization Management Suite application from the computer.

Configure Host Credentials (Optional)

Manage alternate credentials for Host Servers. The application by default uses the currently logged on user context to enumerate Hyper-V Servers and its virtual machines and to collect report data. If you want to specify alternate Domain Administrator credentials you may use this option.

Configuring Host Credentials (Optional)

You can access the Host Credentials settings by selecting the Host Credentials (Optional) option in the Configuration Settings window.



Operation	Description
Add	To Add a new host to the list.
Edit	To Edit the properties of a host in the list. Select a host and click Edit button.
Delete	To Delete a host from the list. Select a host and click Delete button.
Connect	To connect to a host in the list. Select a host and click Connect button.

The various operations that can be performed in the Host Credentials screen are given below:

Add a Host

You may also add one single host at a time to the list of host in the credentials list by using Add Host feature.

Add a domain to the list

- 1. Launch Host Credentials (Optional) window.
- 2. In the Host Credentials (Optional) window, click

Add button to add a domain to the list.

3. The New Add Host dialog will be displayed as shown below:

Add host
Specify a Host name will be used to retrieve VMs present in a Host. Enter host name and the user account to connect to the host.
Host Name:
V Log on using current user
User Name: voyager\adminuser2
Password:
Store the above credentials in Microsoft windows Stored User Name and Passwords applet
<u>O</u> K <u>C</u> ancel

Enter the name of a host.

Add host
Specify a Host name will be used to retrieve VMs present in a Host. Enter host name and the user account to connect to the host.
Host Name: RD40
Log on using current user
User Name: voyager\adminuser2 -
Password:
Store the above credentials in Microsoft windows Stored User Name and Passwords applet
<u>O</u> K <u>C</u> ancel

4. Specify user name and the corresponding password to connect to the specified host.

Store the above user credential in Microsoft Windows Stored User Names and Passwords applet - Vyapin Virtualization Management Suite allows the user to enter different user credentials to connect to the host. Uncheck the checkbox 'Log on using current user' if you like to connect to the host using a different user context.

Vyapin Virtualization Management Suite will store the user credential to connect to domain in the Microsoft Windows Stored User Names and Passwords applet / Credential Manager for security reasons. The stored user profile is tied to the user context (currently logged on user account) in which the profile is created.

- 5. Click OK to add the host to the Host Credentials list.
- 6. Vyapin Virtualization Management Suite will connect to the host with the newly provided connection parameters and add it to the list, upon successful connection to the Host.

Vyapin Virtualization Management Su	ite							x
File Configuration VM Repor	ts VM Pe	erformance Analyzer VN	Performance Monitor					
×								
Configuration								
Settings								
							Help	About
Configuration Settings ×								
Host Credentials (Optional)								
Manage alternate credentials for Host ser				ext to enumerate	e hosts. If you w	ant to specify		
alternate Domain Administrator credentia	ils you may do	so by clicking on 'Add button	below.					
Database Settings		🖕 Add 🍌 Edit 🛛 😦 De	lete 🥏 Connect					
	F	Host Name Domain Name	User Name	Password St	atus			
Email Settings	R	D40 VOYAGER	Voyager\adminuser	******** Co	onnected			
7								
Sec. User Connection Profiles								
Module Listing	$\langle \rangle$							
	\smile							
Host Credentials (Optional)								
						Finish	Cancel	
							1	

7. Click Cancel to abort the add process of the host to the Host Credentials list.

Edit a Host

To Edit a host in the Host Credentials (Optional), follow the steps given below:

- 1. Launch Host Credentials (Optional) window.
- In the Host Credentials (Optional) window, select any row (host), Click Edit button to Edit an existing host in the list, as shown below:

🚰 Vyapin Virtualization Management Suite		
File Configuration VM Reports	VM Performance Analyzer VM Performance Monitor	
X		
Configuration Settings		
Configuration Settings ×		Help About
Host Credentials (Optional)	The application by default uses the currently logged on user context to enumerate hosts. If you want to specify	
alternate Domain Administrator credentials you		
Database Settings	🍌 Add 🥠 Edit 📴 Delete 🗳 Connect	
	Host Name Domain Name User Name Password Status	
Email Settings	RD40 VOYAGER Voyager\adminuser ******** Connected	
· · · · · · · · · · · · · · · · · · ·		
Source User Connection Profiles		
Module Listing		
Host Credentials (Optional)		
	Fini	sh Cancel

- 3. The host name cannot be modified during the edit operation.
- 4. Specify user name and the corresponding password to connect to the specified host.
- 5. **Click** OK to save and connect to the host with the newly provided connection parameters and update the host in the Host Credentials (Optional) list.

6. Vyapin Virtualization Management Suite will connect to the host with the newly provided connection parameters and modify it in the list, upon successful connection to the host.

🙀 Vyapin Virtualization Managem	nent Suite					X
File Configuration VM	l Reports 🛛 VN	I Performance Analyzer	VM Performance Monitor			
×						
Configuration Settings						
					Heli	p About
Configuration Settings ×						p About
Host Credentials (Optional)						
Manage alternate credentials for H				xt to enumerate hosts. If you wan	it to specify	
alternate Domain Administrator cr	edentials you may	do so by clicking on 'Add bi	utton below.			
Database Settings		👆 Add 🍌 Edit 📙	🤉 Delete 🛛 🍣 Connect			
		Host Name Domain N	lame User Name	Password Status		
Email Settings		RD40 VOYAGER	Voyager\adminuser1	*********** Connected		
User Connection Profiles	5					
A 1 1 1 1 1	\bigcirc					
Module Listing	\bigcirc					
Host Credentials (Option	al)					
					Finish Car	ocel
					Tinish Car	icei

7. Click Cancel to retain the existing connection parameters of the host in the Host Credentials list.

Delete a Host

Perform the following steps to delete a host:

- 1. Launch Host Credentials (Optional) window.
- 2. In the Host Credentials (Optional) window, select any row (host), click Delete button to delete the host from the Host Credentials list.

🚰 Vyapin Virtualization Management Sui	te							- 0	x
File Configuration VM Report	ts VM I	Performance Analyze	r VM Perform	ance Monitor					
*									
Configuration									
Settings									
								Help	About
Configuration Settings ×									
Host Credentials (Optional)									
Manage alternate credentials for Host serv	err. The an	plication by default use	s the currently logg	ed on user context	to anymerat	e bosts If you wan	t to specify		
alternate Domain Administrator credential				ed off user context	to enumerat	e nosts, n you wan	t to specify		
		👆 Add 🍌 Edit	📘 Delete 💈	Connect					
Database Settings	1		Delete 🕹	Connect					
		Host Name Doma	in Name User N	ame	Password	Status			
Email Settings		RD40 VOYA	GER Voyage	er\adminuser1	********	Connected			
So User Connection Profiles									
	_								
Module Listing	$\langle \rangle$								
	\smile								
Host Credentials (Optional)									
	L								
							Finish	Carro	
							Finish	Cance	1

3. An alert message asking for confirmation to delete the host will be displayed as shown below:



- 4. Click **Yes** to delete the selected host.
- 5. Click **No** to abort the delete process of the selected host.

Configure SMTP Server

Vyapin Virtualization Management Suite provides the option to e-mail the reports generated. For emailing reports, Vyapin Virtualization Management Suite requires SMTP Server, From E-mail Address, To E-mail Addresses (recipients separated by semicolon) and the e-mail report format. Vyapin Virtualization Management Suite maintains a single SMTP Server and a From E-mail Address for use by all reports. You can specify a separate set of To e-mail addresses (recipients), e-mail report format, subject and body of the message for each reports.

You can set SMTP Server and From Address by clicking Configuration -> Configuration Settings tab in the Vyapin Virtualization Management Suite main application window, as shown below:

🙀 Vyapin Virtualization Management S	uite	
File Configuration VM Repo	orts VM Performance Analyzer VM Performance Monitor	
22 - C		
Configuration		
Settings		
		Help About
Configuration Settings ×		
E-mail Settings		
	der (From) e-mail address to send the generated reports through e-mail.	
	~	
Database Settings	An SMTP server is the server that is used for your outgoing e-mail.	
— • • • • •	SMTP Server: RD40	
Email Settings	When you send e-mail, your name will appear in the from of the outgoing message. Type your name as you would like it to appear.	
User Connection Profiles	From Address: adminuser@voyager.com	
	E.g: someone@example.com	\bigcirc
Module Listing	\bigcirc	\bigcirc
Host Credentials (Optional)		
	Finish	Cancel

User Connection profiles

Vyapin Virtualization Management Suite creates a user profile in **Windows Stored User Names and Passwords** applet / **Credential Manager**, in order to store the domain user context for enumerating servers using ADSI.

The stored user profile will be useful for generating reports using Vyapin Virtualization Management Suite under the following scenarios:

- Using an alternate user account to connect to the domain to retrieve servers using ADSI.
- Providing credentials that have sufficient rights to enumerate shares present in computers within a domain.

The stored user profile persists for all subsequent logon sessions on the same computer where Vyapin Virtualization Management Suite is installed. The stored user profiles are visible to the application under other logon sessions on the same computer.

The stored user profile created by Vyapin Virtualization Management Suite is restricted to the Windows User Profile context. If the Windows User Profile is maintained locally, Vyapin Virtualization Management Suite stored user profile is accessible only by the same user in the same computer. If the user who creates Vyapin Virtualization Management Suite stored user profile, has a Roaming user account in the enterprise, the Vyapin Virtualization Management Suite stored user profile can be accessed by the same user in any computer in the Windows enterprise.

The stored user profile is a generic credential of **Windows Stored User Names and Passwords** applet / **Credential Manager** and can be used by the application only. The credential information is stored securely in an *256 bit encrypted format* in **Windows Stored User Names and Passwords** applet / **Credential Manager**.

The stored user profile corresponding to the user account will be used by the application in order to connect to the domain, if 'Use ADSI' is selected in Vyapin Virtualization Management Suite Enumeration Settings.

Using the Connection Profile dialog shown below, new profile can be created and available profiles can be removed from the profiles list.

Vyapin Virtualization Management Su	ite				_ 0 x
File Configuration VM Repor	rts VM Performance Analy	zer VM Performance M	onitor		
× 1					
Configuration Settings					
					Help About
Configuration Settings ×					
User Connection Profiles					
Vyapin Virtualization Management Suite o applet. To add a user profile, click Add. To			ory Servers using Windows Store	d User Name and Passwords	
Database Settings	🕂 Add 🧪 E	dit 🗙 Remove			
Database Settings	Profile Name		Description		
Email Settings	Voyager\adminus	er1	Description		
Q User Connection Profiles					
Module Listing	$\langle \rangle$				\bigcirc
	Ŭ				\smile
Host Credentials (Optional)					
10.001					
				2	
				Finish	Cancel

Click **Add** button to add a new profile and a dialog will appear as shown below:

💽 Vyapin Virtualization Management Suit	te						x
File Configuration VM Reports	s VM Perl	ormance Analyzer	VM Performance M	onitor			
22 C							
Configuration							
Settings							
						Help	About
Configuration Settings ×							
User Connection Profiles							
Vyapin Virtualization Management Suite ca	n store user cr	adaptial information as	user profiles for Directo	ny Servers using Windows Stor	ed Licer Name and Passwords		
applet. To add a user profile, click Add. To o			user promes for Directo	Ty servers using windows stor			
	_	Add 💉 Edit 🕽	Remove				
Database Settings			< Remove				
	Pr	ofile Name		Description			
Email Settings	Vo	/ager\adminuser1					
	vo	vager∖adminuser2					
Section Profiles							
Module Listing	\bigcirc					(\mathbb{R}
	U						
Host Credentials (Optional)							
					Finish	Cancel	I I

Click **Edit** button in the Connection Profile dialog to edit available profiles.

Click **Remove** button in the Connection Profile dialog to remove available profiles.

VM Reports

About VM Reports

How to view Discovery Reports?

How to view Memory Reports?

How to view Networking Reports?

How to view Processor Reports?

How to view Replication Reports?

How to view Current Status Reports?

How to view Snapshot Reports?

How to view Virtual Hard Disk Reports?

How to view Integration Services Reports?

How to view DVD Drive Reports

How to view All VM Settings Reports?

About VM Reports

Introduction

VM Reports Module is used to perform a complete scan for all installed VMs in your network. You can perform an automated inventory of VMs and their configuration at regular intervals and keep a constant watch on the health of your Hyper-V Servers.

Please be aware that the VM Reports Module uses WMI (Windows Management Instrumentation) to collect report data. Hence, all reports require WMI to be installed and enabled on the Hyper-V host server and its VMs. For more information, refer to "Prerequisites and Initial Configuration" section.

Prerequisites and Initial Configuration

The VM Reports Module uses WMI to collect report data. WMI uses DCOM protocol and is affected by Windows Firewall and DCOM security settings. In order to generate the reports both Windows Firewall and DCOM must be properly configured. Windows Firewall and DCOM, when not properly configured on your remote computers, can cause errors such as an "RPC Server Unavailable" error or an "Access is denied" error. Also, ensure that the current user context or specified user context, under which the application runs, is a local administrator on target computers.

In order to generate the reports ensure the following settings are set appropriately:

• Remote Administration setting is enabled on Windows Firewall. By default, Windows Firewall blocks all unsolicited incoming traffic except for Group Policy. This is a common issue you might encounter while generating the reports. To resolve this issue, you need to enable the remote administration setting on the Firewall. For more information about configuring the Windows Firewall connections with a script, see

http://www.microsoft.com/technet/community/columns/scripts/sg1104.mspx#EJAA.

- WMI is installed and the Startup Type for WMI service is set to Automatic and the service is running under Local System Account.
- DCOM is enabled and ensure that security settings for DCOM allow remote connections
 - 1. Run the DCOM Configuration Utility (dcomcnfg.exe)
 - 2. In the **Component Services** dialog box, expand **Component Services**, expand **Computers**, and then right-click **My Computer** and click **Properties**
 - 3. In the My Computer Properties dialog box, click the Default Properties tab
 - 4. Select Enable Distributed COM on this computer
 - 5. The **Default Authentication Level** is set to **Connect** and the **Default Impersonation Level** is set to Identify in Windows XP and later operating systems. For Windows NT, however, the **Default Authentication Level** is set to **Connect** and **Default Impersonation Level** is set to **Impersonate**
 - 6. The default DCOM security settings for Access Permissions and Launch and Activation Permissions in the COM Security tab in the My Computer Properties dialog includes at least INTERACTIVE, SYSTEM and Administrators

- In Windows XP SP2 and later operating systems the SERVICE account is granted Impersonate a client after authentication right under User Rights Assignment under Local Policies
- The **Data Execution Prevention** in Windows XP SP2 and Windows 2003 SP1 is enabled for essential windows programs only.

System Info Reports

The VM Reports Module provides reports on the following resource categories:

- <u>Summary</u>
- <u>Memory</u>
- <u>Networking</u>
- <u>Processor</u>
- <u>Replication</u>
- <u>Current Status</u>
- <u>Snapshots</u>
- Virtual Hard Disks
- Integration Services
- DVD Drives
- All VM Settings

How to view Summary Reports?



Click on under VM Reports to view Summary information available under each tab as listed below.

Click Summary tab to view the following information: Host Name, VM Name, VM State, Created Date, Notes, Heartbeat, Number of Processors, Guest Operating System, DNS Name.

)iscovery ×									
Summary	Management								
2 Refresh	Export		Customize 📑 Email						
Host Name	VM Name	State	Created Date	Notes	Heartbeat	Number of Processors	Guest Operating System	DNS Name	Status Recorded as on
RD40	RD74	Turned off	4/23/2014 3:10:18 PM			1			11/21/2015 11:19:04 AM
RD40	Rd72	Turned off	1/17/2014 5:52:39 PM			4			11/21/2015 11:19:04 AM
RD40	RD48	Turned off	9/28/2015 2:45:22 PM			1			11/21/2015 11:19:05 AM
RD40	RD41	Running	7/31/2015 5:02:45 PM		ОК	1	Windows Server 2012 Standard	RD41.Voyager.local	11/21/2015 11:19:05 AM
RD40	RD71	Running	1/16/2014 12:27:57 PM		ОК	1	Windows 7 Enterprise	RD71.Voyager.local	11/21/2015 11:25:31 AM
D40	RD90	Running	3/31/2015 5:24:41 PM		ОК	1	Windows Server 2012 Standard	RD90.Planet.local	11/21/2015 11:25:34 AM
RD40	Hyper-V Test	Turned off	2/23/2015 4:36:23 PM			1			11/21/2015 11:25:42 AM

Click Management tab to view the following information: Host Name, VM Name, Automatic Start Action, Automatic Start Delay, Automatic Stop Action, Smart Paging File Location, Snapshot File Location.

Discovery ×								
Summary	Management							
Refresh	🔒 Export	T Filter	🛅 Customize 📑	Email				
Host Name	VM Name	State	Automatic Start Action	Automatic Start Delay	Automatic Stop	Smart Paging File Location	Snapshot File Location	Status Recorded as on
RD40	RD71	Running	Nothing	0 Seconds	Save state.	D:\Vm Store\RD71\RD71	D:\Vm Store\RD71\RD71	11/21/2015 11:22:46 AM
RD40	RD90	Running	Nothing	0 Seconds	Save state.	D:\Vm Store\RD90\RD	D:\Vm Store\RD90\RD	11/21/2015 11:22:46 AN
RD40	Hyper-V Test	Turned off	Restart if previously activ	0 Seconds	Save state.	C:\ProgramData\Microsoft\Windows\Hyper-V	C:\ProgramData\Microsoft\Windows\Hyper-V	11/21/2015 11:22:46 AM
RD40	RD74	Turned off	Restart if previously activ	0 Seconds	Save state.	D:\Vm Store\RD74	D:\Vm Store\RD74	11/21/2015 11:22:46 AM
RD40	Rd72	Turned off	Restart if previously activ	0 Seconds	Save state.	D:\Vm Store\RD72\Rd72	D:\Vm Store\RD72\Rd72	11/21/2015 11:22:46 AM
RD40	RD48	Turned off	Restart if previously activ	0 Seconds	Save state.	D:\Vm Store\RD48\RD48	D:\Vm Store\RD48\RD48	11/21/2015 11:22:46 AM
RD40	RD41	Running	Restart if previously activ	0 Seconds	Save state.	D:\Vm Store\RD41\RD41	D:\Vm Store\RD41\RD41	11/21/2015 11:22:46 AN

How to view Memory Reports?



Click on under VM Reports to view Memory information available under each tab as listed below.

Click ^{Summary} tab to view the following information: *Host Name, VM Name, State, Startup Memory (MB), Dynamic Memory Enabled, Minimum Memory (MB), Maximum Memory (MB), Assigned Memory (MB), Memory Demand (MB), Status, Memory Buffer (%), Memory Weight, Status Report as on.*

Memory x											
Summary	Chart										
Refresh	🗟 Export	T Filter	Customize	🐳 Email							
Host Name	VM Name	State	Startup Memory (MB)	Dynamic Memory	Minimum Memory	Maximum Memory	Assigned Memory	Memory Demand	Status	Memory Buffer (%)	Status Recorded as on
RD40	RD71	Running	5120	True	5120	6000	5120	1382	ОК	20	11/21/2015 11:31:54 AM
RD40	RD90	Running	1000	True	1000	2000	1000	510	OK	20	11/21/2015 11:31:55 AM
RD40	Hyper-V Test	Turned off	512	False	512	1048576		0		20	11/21/2015 11:31:55 AM
RD40	RD74	Turned off	1000	True	1000	1024		0		45	11/21/2015 11:31:56 AM
RD40	Rd72	Turned off	1024	False	512	5000		0		20	11/21/2015 11:31:56 AM
RD40	RD48	Turned off	2000	True	512	1048576		0		20	11/21/2015 11:31:56 AM
RD40	RD41	Running	4000	True	4000	7168	5822	4890	OK	20	11/21/2015 11:31:57 AM

Click Chart tab to view the following information:



How to view Networking Reports?



Click on under VM Reports to view Networking information available under each tab as listed below.

Click Summary tab to view the following information: *Host Name, VM Name, State, Adapter, Connection, Connection Type, IP Address, Status, Status Recorded as on*.

st Name VM Name State Adapter Connection Connection Type IP Addresses Status Status Recorded as on 40 RD71 Running Network Adapter: [Dynamic MAC:00155D15 Qualcomm Atheros AR8151 PCI-E Gigabit Ethernet Controller (NDIS 6:30) External 10.10.10.34 OK 11/21/2015 11:36:15 A 40 RD90 RUnning Network Adapter: [Dynamic MAC:00155D15 Qualcomm Atheros AR8151 PCI-E Gigabit Ethernet Controller (NDIS 6:30) External 10.10.10.37 OK 11/21/2015 11:36:18 A 40 Hyper-VTest Turned off	Summary	Advanced Fea	itures						
40 RD71 Running Network Adapter: [Dynamic MAC:00155D15 Qualcomm Atheros AR8151 PCI-E Gigabit Ethernet Controller (NDIS 6.30) External 10.10.10.34 OK 11/21/2015 11:36:15 A 40 RD90 Running Network Adapter: [Dynamic MAC:00155D15 Qualcomm Atheros AR8151 PCI-E Gigabit Ethernet Controller (NDIS 6.30) External 10.10.10.34 OK 11/21/2015 11:36:18 A 40 Hyper-V Test Turned off Turned off 11/21/2015 11:36:18 A 40 RD74 Turned off 11/21/2015 11:36:18 A 11/21/2015 11:36:18 A 40 Rd72 Turned off 11/21/2015 11:36:18 A 11/21/2015 11:36:18 A 40 RD48 Turned off 11/21/2015 11:36:18 A 11/21/2015 11:36:18 A	2 Refresh	🔒 Export	T Filter	Email					
ND90 Running Network Adapter: [Dynamic MAC:00155D15 Qualcomm Atheros AR8151 PCI-E Gigabit Ethernet Controller (NDIS 6:30) External 10.10.0.75 OK 11/21/2015 11:36:18 A 40 Hyper-V Test Turned off 11/21/2015 11:36:18 A 11/21/2015 11:36:18 A 40 RD74 Turned off 11/21/2015 11:36:18 A 40 Rd72 Turned off 11/21/2015 11:36:18 A 40 RD48 Turned off 11/21/2015 11:36:18 A	Host Name	VM Name	State	Adapter	Connection	Connection Type	IP Addresses	Status	Status Recorded as on
40 Hyper-V Test Turned off 11/21/2015 11:36:18 A 40 RD74 Turned off 11/21/2015 11:36:18 A 40 Rd72 Turned off 11/21/2015 11:36:18 A 40 Rd72 Turned off 11/21/2015 11:36:18 A 40 RD48 Turned off 11/21/2015 11:36:18 A	RD40	RD71	Running	Network Adapter: [Dynamic MAC:00155D15	Qualcomm Atheros AR8151 PCI-E Gigabit Ethernet Controller (NDIS 6.30)	External	10.10.10.34	ок	11/21/2015 11:36:15 A
ND Turned off 11/21/2015 11:36:18 A 40 Rd72 Turned off 11/21/2015 11:36:18 A 40 Rd72 Turned off 11/21/2015 11:36:18 A 40 RD48 Turned off 11/21/2015 11:36:18 A	RD40	RD90	Running	Network Adapter: [Dynamic MAC:00155D15	Qualcomm Atheros AR8151 PCI-E Gigabit Ethernet Controller (NDIS 6.30)	External	10.10.10.75	ОК	11/21/2015 11:36:18 A
40 Rd72 Turned off 11/21/2015 11:36:18 A 40 RD48 Turned off 11/21/2015 11:36:18 A	D40	Hyper-V Test	Turned off						11/21/2015 11:36:18 A
40 RD48 Turned off 11/21/2015 11:36:18 A	D40	RD74	Turned off						11/21/2015 11:36:18 A
	D40	Rd72	Turned off						11/21/2015 11:36:18 A
40 RD41 Running Network Adapter: [Dynamic MAC:00155D15 Qualcomm Atheros AR8151 PCI-E Gigabit Ethernet Controller (NDIS 6.30) External 10.10.10.46 OK 11/21/2015 11:36:20 A	D40	RD48	Turned off						11/21/2015 11:36:18 A
	D40	RD41	Running	Network Adapter: [Dynamic MAC:00155D15	Qualcomm Atheros AR8151 PCI-E Gigabit Ethernet Controller (NDIS 6.30)	External	10.10.10.46	ОК	11/21/2015 11:36:20 4

Click Advanced Features tab to view the following information: Host Name, VM Name, MAC Address Spoofing, DHCP guard, Router guard, Mirroring Mode, NIC Teaming, Status Recorded as on.
letworking	×							
Summary	Advanced Features							
Refresh	Export 🖓 F	ilter 🔂 Customize	Email					
ost Name	VM Name	MAC address spoofing	DHCP guard	Router guard	Mirroring Mode	NIC Teaming	Status Recorded as on	
040	RD71						11/21/2015 11:41:21 AM	
40	RD90						11/21/2015 11:41:22 AM	
40	Hyper-V Test						11/21/2015 11:41:22 AM	
40	RD74	Disabled	Disabled	Disabled	None	Disabled	11/21/2015 11:41:23 AM	
40	Rd72						11/21/2015 11:41:23 AM	
40	RD48						11/21/2015 11:41:24 AM	
40	RD41						11/21/2015 11:41:24 AM	

How to view Processor Reports?



Click on under VM Reports to view Processor information available under each tab as listed below.

Click Summary tab to view the following information: *Host Name, VM Name, State, Number of Processor, Characteristics, Status, LoadPercentage, Virtual machine reserve (Percentage), Virtual machine limit(Percentage), Relative weight, Status Recorded as on.*

rocessor ×													
Summary	NUMA Topol	ogy	Confi	guration									
Refresh	Export	Y	, Filter	🛅 Cu	stomize	📑 Ema	il						
Host Name	VM Name	State	•	Number o	f Processo	ors Chara	ecteristics	Status	LoadPercentage	Virtual machine reserve (Percentage)	Virtual machine limit (Percentage)	Relative weight	Status Recorded as on
RD40	RD71	Runn	ing	1		64 bit	capable	ОК	3	0	100	0	11/21/2015 11:42:26 AM
RD40	RD90	Runn	ing	1		64 bit	capable	OK	1	0	100	0	11/21/2015 11:42:27 AM
D40	Hyper-V Test	Turn	ed off										11/21/2015 11:42:27 AM
D40	RD74	Turn	ed off										11/21/2015 11:42:28 AM
D40	Rd72	Runn	ing	4		64 bit	capable	OK	1	0	100	0	11/21/2015 11:42:29 AM
D40	RD48	Turn	ed off										11/21/2015 11:42:30 AM
RD40	RD41	Runn	ing	1		64 bit	capable	OK	5	0	100	0	11/21/2015 11:42:31 AM

Click NUMA Topology tab to view the following information: Host Name, VM Name, State, MaxProcessorPerNumaNode, MaxMemoryPerNumaNode, MaxNumaNodesPerSocket, Status Recorded as on.

Processor X						
Summary	NUMA Topole	ogy Con	figuration			
Refresh	🔒 Export	T Filter	Customize 📑 Emai	1		
Host Name	VM Name	State	MaxProcessorsPerNumaNode	MaxMemoryPerNumaNode	MaxNumaNodesPerSocket	Status Recorded as on
RD40	RD71	Running	4	14068 MB	1	11/21/2015 11:43:34 AM
RD40	RD90	Running	4	14068 MB	1	11/21/2015 11:43:35 AM
RD40	Hyper-V Test	Turned off	4	14068 MB	1	11/21/2015 11:43:36 AM
RD40	RD74	Turned off	4	14070 MB	1	11/21/2015 11:43:37 AM
RD40	Rd72	Running	4	14068 MB	1	11/21/2015 11:43:38 AM
RD40	RD48	Turned off	4	14068 MB	1	11/21/2015 11:43:39 AM
RD40	RD41	Running	4	14068 MB	1	11/21/2015 11:43:40 AM

Click Configuration tab to view the following information: Host Name, VM Name, State, Number of Processor, Number of NUMA nodes, Number of Sockets, Processor Compatibility, Status Recorded as on.

Processor X	NUMA Topol	pay Cont	iguration					
Refresh		Filter		🖡 Email				
Host Name	VM Name	State	Number of Processors	Number of NUMA nodes	Number of Sockets	Processor Compatibility	Status Recorded as on	
RD40	RD71	Running	1	1	0	Disabled	11/21/2015 11:44:13 AM	
RD40	RD90	Running	1	1	0	Disabled	11/21/2015 11:44:14 AM	
RD40	Hyper-V Test	Turned off	1	1	0	Disabled	11/21/2015 11:44:15 AM	
RD40	RD74	Turned off	1	1	0	Disabled	11/21/2015 11:44:16 AM	
RD40	Rd72	Running	4	1	0	Disabled	11/21/2015 11:44:17 AM	
RD40	RD48	Turned off	1	1	0	Disabled	11/21/2015 11:44:18 AM	
RD40	RD41	Running	1	1	0	Disabled	11/21/2015 11:44:20 AM	

How to view Replication Reports?



Click on Replication under VM Reports to view Replication information available under each tab as listed below.

Click Summary tab to view the following information: *Host Name, VM Name, State, Replication Type, Replication State, Replication Health, Current Primary Server, Current Replica Server, Last synchronized at, Status Recorded as on*.

Replication >	~									
Summary										
Refresh	🔒 Export	Trilter	r 🛅 Customize	📑 Email						
Host Name	VM Name	State	Replication Type	Replication State	Replication Health	Current Primary Server	Current Replica Server	Last synchronized at	Status Recorded as on	
RD40	RD71	Running	None	Disabled	NotApplicable				11/21/2015 11:45:09 AM	
RD40	RD90	Running	None	Disabled	NotApplicable				11/21/2015 11:45:09 AM	
RD40	Hyper-V Test	Turned off	None	Disabled	NotApplicable				11/21/2015 11:45:09 AM	
RD40	RD74	Turned off	Primary	Critical	Critical	RD40.Voyager.local	RD06.MPRTEST.local	9/5/2014 7:07:00 PM	11/21/2015 11:45:09 AM	
RD40	Rd72	Running	None	Disabled	NotApplicable				11/21/2015 11:45:10 AM	
RD40	RD48	Turned off	None	Disabled	NotApplicable				11/21/2015 11:45:10 AM	
RD40	RD41	Running	None	Disabled	NotApplicable				11/21/2015 11:45:10 AM	

How to view Current Status Reports?



Click on **Status** under VM Reports to view Current Status information available under each tab as listed below.

Click Summary tab to view the following information: Host Name, VM Name, State, CPU Usage (%), Memory Usage (MB), Up Time, Replication Health, Currently Logged on User, User Logged on Since, Status Recorded as on.

Export Filte A Name State 71 Running 90 Running per-V Test Turned off 74 Turned off 72 Running 48 Turned off 41 Running	CPU Usage (%) 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	e Email Memory Usage (MB) 5120 1000 1024 6104	Up Time Od:2h:9m:48s:591ms Od:2h:9m:55s:70ms Od:0h:9m:51s:691ms Od:1h:24m:45s:936ms	Replication Health NotApplicable NotApplicable Critical NotApplicable NotApplicable NotApplicable	Currently Logged on User VOYAGER\adminuser2 No user has logged in No user has logged in No user has logged in No user has logged in VOYAGER\appinsight_svcacc	User Logged on Since 11/21/2015 9:50:17 AM 11/21/2015 10:32:34 AM	Status Recorded as on 11/21/2015 11:46:03 AM 11/21/2015 11:46:08 AM 11/21/2015 11:46:08 AM 11/21/2015 11:46:08 AM 11/21/2015 11:46:11 AM 11/21/2015 11:46:11 AM	
71 Running 90 Running per-V Test Turned off 74 Turned off 72 Running 48 Turned off	1 0 0 0 0 0	5120 1000 1024	0d:2h:9m:48s:591ms 0d:2h:9m:55s:70ms 0d:0h:9m:51s:691ms	NotApplicable NotApplicable OtApplicable Critical NotApplicable NotApplicable	VOYAGER\adminuser2 No user has logged in No user has logged in No user has logged in No user has logged in No user has logged in	11/21/2015 9:50:17 AM	11/21/2015 11:46:03 AM 11/21/2015 11:46:08 AM 11/21/2015 11:46:08 AM 11/21/2015 11:46:08 AM 11/21/2015 11:46:11 AM	
90 Running per-V Test Turned off 74 Turned off 72 Running 48 Turned off	0 0 0 0	1000	0d:2h:9m:55s:70ms 0d:0h:9m:51s:691ms	NotApplicable NotApplicable Critical NotApplicable NotApplicable	No user has logged in No user has logged in No user has logged in No user has logged in No user has logged in		11/21/2015 11:46:08 AM 11/21/2015 11:46:08 AM 11/21/2015 11:46:08 AM 11/21/2015 11:46:11 AM	
per-V Test Turned off 74 Turned off 72 Running 48 Turned off	0 0 0	1024	0d:0h:9m:51s:691ms	NotApplicable Critical NotApplicable NotApplicable	No user has logged in No user has logged in No user has logged in No user has logged in	11/21/2015 10:32:34 AM	11/21/2015 11:46:08 AM 11/21/2015 11:46:08 AM 11/21/2015 11:46:11 AM	
74 Turned off 72 Running 48 Turned off	0 0 0			Critical NotApplicable NotApplicable	No user has logged in No user has logged in No user has logged in	11/21/2015 10:32:34 AM	11/21/2015 11:46:08 AM 11/21/2015 11:46:11 AM	
72 Running 48 Turned off	0			NotApplicable NotApplicable	No user has logged in No user has logged in	11/21/2015 10:32:34 AM	11/21/2015 11:46:11 AM	
48 Turned off	0			NotApplicable	No user has logged in	11/21/2015 10:32:34 AM		
		6104	0d:1h:24m:45s:936ms			11/21/2015 10:32:34 AM	11/21/2015 11:46:11 AM	
41 Running	3	6104	0d:1h:24m:45s:936ms	NotApplicable	VOYAGER\spinsight_svcacc	11/21/2015 10:32:34 AM	, = ., =	
							11/21/2015 11:46:24 AM	



Click Chart tab to view the following information:

How to view Snapshots Reports?



Click on **Snapshots** under VM Reports to view Snapshot information available under each tab as listed below.

Click Summary tab to view the following information: *Host Name, VM Name, State, Snapshot Name, Creation Time, Snapshot Path, Status Recorded as on*.

immary	Memory	Processor	Integration Services Mar	agement Actions	Permissions	Show All			
Refresh	🔒 Export	T Filter	🛅 Customize 📑 En	ail					
ost Name	VM Name	State	Snapshot Name			Creation Time	Snapshot Path	Status Recorded as on	
40	RD71	Running	RD71 - (4/9/2014 - 4:25:06 PI	A)		4/9/2014 4:25:10 PM	D:\Vm Store\RD71\RD71	11/21/2015 11:48:35 AM	
40	RD71	Running	Automation Anywhere - (11/	19/2015 - 7:04:34 PM	A)	11/19/2015 7:04:36 PM	D:\Vm Store\RD71\RD71	11/21/2015 11:48:35 AM	
040	RD71	Running	Base Os Activated - (1/16/20	14 - 2:43:16 PM)		1/16/2014 2:43:18 PM	D:\Vm Store\RD71\RD71	11/21/2015 11:48:35 AM	
040	RD71	Running	Outlook 2010 Not activated	(4/16/2014 - 12:01:	42 PM)	4/16/2014 12:01:44 PM	D:\Vm Store\RD71\RD71	11/21/2015 11:48:35 AM	
040	RD71	Running	UFT and Ranorex - (11/19/20	15 - 5:53:45 PM)		11/19/2015 5:53:47 PM	D:\Vm Store\RD71\RD71	11/21/2015 11:48:35 AM	
040	RD90	Running	RD90 - Windows Server 2012	[Planet-DS] (4/16/2	015 - 2:19:37 PM)	4/16/2015 2:19:51 PM	D:\Vm Store\RD90\RD	11/21/2015 11:48:36 AM	
D40	Hyper-V Test	Turned off						11/21/2015 11:48:36 AM	
D40	RD74	Turned off	RD74 -Windows 8 (9/1/2014	- 12:54:47 PM)		9/1/2014 12:56:18 PM	D:\Vm Store\RD74	11/21/2015 11:48:37 AM	
D40	Rd72	Running	Base Os - Activated			4/18/2014 5:52:20 PM	D:\Vm Store\RD72\Rd72	11/21/2015 11:48:37 AM	
D40	Rd72	Running	Rd72 - (9/8/2014 - 7:11:07 Pf	A)		9/8/2014 7:12:17 PM	D:\Vm Store\RD72\Rd72	11/21/2015 11:48:37 AM	
								11/21/2015 11:48:37 AM	
D40	RD48	Turned off							
	RD48 RD41	Turned off Running	SharePoint 2013 - (8/6/2015	- 10:47:05 AM)		8/6/2015 10:47:06 AM	D:\Vm Store\RD41\RD41		
			SharePoint 2013 - (8/6/2015	10:47:05 AM)		8/6/2015 10:47:06 AM	D:\Vm Store\RD41\RD41		
			SharePoint 2013 - (8/6/2015	- 10:47:05 AM)		8/6/2015 10:47:06 AM	D/Vm Store\RD41\RD41		
			SharePoint 2013 - (8/6/2015	- 10:47:05 AM)		8/6/2015 10:47:06 AM	D:\Vm Store\RD41\RD41		
			SharePoint 2013 - (8/6/2015	- 10:47:05 AM)		8/6/2015 10:47:06 AM	D\Vm Store\RD41\RD41		
			SharePoint 2013 - (8/6/2015	- 10:47:05 AM)		8/6/2015 10:47:06 AM	D:\Vm Store\RD41\RD41		
			SharePoint 2013 - (8/6/2015	- 10:47:05 AM)		8/6/2015 10:47:06 AM	D\Vm Store\RD41\RD41		
			SharePoint 2013 - (8/6/2015	- 10:47:05 AM)		8/6/2015 10:47:06 AM	D:\Vm Store\RD41\RD41		
			SharePoint 2013 - (8/6/2015	- 10:47:05 AM)		8/6/2015 10:47:06 AM	D\Vm Store\RD41\RD41		

Memory

Click tab to view the following information: *Host Name, VM Name, Snapshot Name, Startup Memory, Dynamic Memory Enabled, Minimum Memory, Maximum Memory, Memory Buffer, Memory Weight, Status Recorded as on*.

Host Name VM Na	ne Snapshot Name	Startup Memory	Dynamic Memory	Minimum Memory	Maximum Memory	Memory Buffer	Memory Weight	Status Recorded as or
RD40 RD71	RD71 - (4/9/2014 - 4:25:06 PM)	2000 MB	False	512 MB	1048576	20 MB	5000	11/21/2015 11:50:58 A
RD40 RD71	Automation Anywhere - (11/19/2015 - 7:04:34 PM)	5120 MB	True	5120 MB	6000	20 MB	5000	11/21/2015 11:50:58 A
RD40 RD71	Base Os Activated - (1/16/2014 - 2:43:16 PM)	3072 MB	False	512 MB	1048576	20 MB	5000	11/21/2015 11:50:59 A
RD40 RD71	Outlook 2010 Not activated - (4/16/2014 - 12:01:42 PM)	2048 MB	False	512 MB	1048576	20 MB	5000	11/21/2015 11:50:59 A
RD40 RD71	UFT and Ranorex - (11/19/2015 - 5:53:45 PM)	5120 MB	True	5120 MB	6000	20 MB	5000	11/21/2015 11:51:00 A
RD40 RD90	RD90 - Windows Server 2012 [Planet-DS] (4/16/2015 - 2:	2000 MB	True	2000 MB	3000	20 MB	5000	11/21/2015 11:51:00 A
RD40 Hyper-	Test							11/21/2015 11:51:00 A
RD40 RD74	RD74 -Windows 8 (9/1/2014 - 12:54:47 PM)	2048 MB	False	512 MB	1048576	20 MB	5000	11/21/2015 11:51:01 A
RD40 Rd72	Base Os - Activated	2000 MB	False	512 MB	5000	20 MB	5000	11/21/2015 11:51:02 A
RD40 Rd72	Rd72 - (9/8/2014 - 7:11:07 PM)	2048 MB	False	512 MB	5000	20 MB	5000	11/21/2015 11:51:02 A
RD40 RD48								11/21/2015 11:51:02 A
RD40 RD41	SharePoint 2013 - (8/6/2015 - 10:47:05 AM)	5120 MB	False	512 MB	1048576	20 MB	5000	11/21/2015 11:51:04 A
	SharePoint 2013 - (8/6/2015 - 10:47:05 AM)	5120 MB	False	512 MB	1048576	20 MB	5000	



Click tab to view the following information: *Host Name, VM Name, Snapshot Name, Number of Processors, Virtual machine reserve (Percentage), Virtual machine limit (Percentage), Relative weight, Status Recorded as on.*

ummary	Memory	Processor Integration Services Management Acti	ons Permissions	Show All			
Refresh	🔒 Export	🍸 Filter 🛛 🛱 Customize 🛛 🖓 Email					
lost Name	VM Name	Snapshot Name	Number of Process	ors Virtual machine reserve (Percentage)	Virtual machine limit (Percentage	Relative weight	Status Recorded as on
D40	RD71	RD71 - (4/9/2014 - 4:25:06 PM)	1	0	100	100	11/21/2015 11:51:54 AM
D40	RD71	Automation Anywhere - (11/19/2015 - 7:04:34 PM)	1	0	100	100	11/21/2015 11:51:56 AM
D40	RD71	Base Os Activated - (1/16/2014 - 2:43:16 PM)	1	0	100	100	11/21/2015 11:51:57 AM
040	RD71	Outlook 2010 Not activated - (4/16/2014 - 12:01:42 PM)	1	0	100	100	11/21/2015 11:51:58 AM
040	RD71	UFT and Ranorex - (11/19/2015 - 5:53:45 PM)	1	0	100	100	11/21/2015 11:51:59 AM
040	RD90	RD90 - Windows Server 2012 [Planet-DS] (4/16/2015 - 2	÷ 1	0	100	100	11/21/2015 11:52:00 AM
040	Hyper-V Test						11/21/2015 11:52:00 AM
040	RD74	RD74 -Windows 8 (9/1/2014 - 12:54:47 PM)					11/21/2015 11:52:00 AM
040	Rd72	Base Os - Activated	1	0	100	100	11/21/2015 11:52:01 AM
)40	Rd72	Rd72 - (9/8/2014 - 7:11:07 PM)	4	0	100	100	11/21/2015 11:52:02 AM
040	RD48						11/21/2015 11:52:02 AM

Click Integration Services tab to view the following information: Host Name, VM Name, Snapshot Name, Number of Processors, Virtual machine reserve (Percentage), Virtual machine limit (Percentage), Relative weight, Status Recorded as on.

Summary	Memory	Processor Integration Services Management Actio	ns Permissions Show A	ai				
Refresh	📑 Export	🍸 Filter 🛅 Customize 🗳 Email						
lost Name	VM Name	Snapshot Name	Operating system shutdown	Time synchronization	Data Exchange	Heartbeat	Backup (Volume snapshot)	Status Recorded as on
D40	RD71	RD71 - (4/9/2014 - 4:25:06 PM)	Enabled	Enabled	Enabled	Enabled	Enabled	11/21/2015 11:53:12 AM
D40	RD71	Automation Anywhere - (11/19/2015 - 7:04:34 PM)	Enabled	Enabled	Enabled	Enabled	Enabled	11/21/2015 11:53:14 AM
D40	RD71	Base Os Activated - (1/16/2014 - 2:43:16 PM)	Enabled	Enabled	Enabled	Enabled	Enabled	11/21/2015 11:53:16 AM
D40	RD71	Outlook 2010 Not activated - (4/16/2014 - 12:01:42 PM)	Enabled	Enabled	Enabled	Enabled	Enabled	11/21/2015 11:53:17 AM
D40	RD71	UFT and Ranorex - (11/19/2015 - 5:53:45 PM)	Enabled	Enabled	Enabled	Enabled	Enabled	11/21/2015 11:53:19 AM
040	RD90	RD90 - Windows Server 2012 [Planet-DS] (4/16/2015 - 2:	Enabled	Enabled	Enabled	Enabled	Enabled	11/21/2015 11:53:20 AM
040	Hyper-V Test		Enabled	Enabled	Enabled	Enabled	Enabled	11/21/2015 11:53:20 AM
040	RD74	RD74 -Windows 8 (9/1/2014 - 12:54:47 PM)						11/21/2015 11:53:21 AM
040	Rd72	Base Os - Activated	Enabled	Disabled	Enabled	Enabled	Enabled	11/21/2015 11:53:24 AM
040	Rd72	Rd72 - (9/8/2014 - 7:11:07 PM)	Enabled	Disabled	Enabled	Enabled	Enabled	11/21/2015 11:53:25 AM
040	RD48		Enabled	Disabled	Enabled	Enabled	Enabled	11/21/2015 11:53:25 AM
040	RD41	SharePoint 2013 - (8/6/2015 - 10:47:05 AM)	Enabled	Enabled	Enabled	Enabled	Enabled	11/21/2015 11:53:27 AM

Click Management Actions tab to view the following information: Host Name, VM Name, Snapshot Name, Number of Processors, Virtual machine reserve (Percentage), Virtual machine limit (Percentage), Relative weight, Status Recorded as on.

ummary	Memory	Processor Integration Services Management Actions	Permissions Show All		
Refresh	🔒 Export	🍸 Filter 🛛 🛅 Customize 📑 Email			
ost Name	VM Name	Snapshot Name	Automatic Start Action	Automatic Start Delay	Automatic Stop Action Status Recorded as on
D40	RD71	RD71 - (4/9/2014 - 4:25:06 PM)		0 Seconds	11/21/2015 11:54:09 AM
D40	RD71	Automation Anywhere - (11/19/2015 - 7:04:34 PM)		0 Seconds	11/21/2015 11:54:09 AM
D40	RD71	Base Os Activated - (1/16/2014 - 2:43:16 PM)		0 Seconds	11/21/2015 11:54:09 AM
D40	RD71	Outlook 2010 Not activated - (4/16/2014 - 12:01:42 PM)		0 Seconds	11/21/2015 11:54:09 AM
D40	RD71	UFT and Ranorex - (11/19/2015 - 5:53:45 PM)		0 Seconds	11/21/2015 11:54:10 AM
D40	RD90	RD90 - Windows Server 2012 [Planet-DS] (4/16/2015 - 2:19:37 F	PM)	0 Seconds	11/21/2015 11:54:10 AM
D40	Hyper-V Test			0 Seconds	11/21/2015 11:54:10 AM
D40	RD74	RD74 -Windows 8 (9/1/2014 - 12:54:47 PM)		0 Seconds	11/21/2015 11:54:10 AM
D40	Rd72	Base Os - Activated		0 Seconds	11/21/2015 11:54:10 AM
RD40	Rd72	Rd72 - (9/8/2014 - 7:11:07 PM)		0 Seconds	11/21/2015 11:54:10 AM
D40	RD48			0 Seconds	11/21/2015 11:54:11 AM
D40	RD41	SharePoint 2013 - (8/6/2015 - 10:47:05 AM)		0 Seconds	11/21/2015 11:54:11 AM

Click Permissions tab to view the following information: Host Name, VM Name, Snapshot Name, Number of Processors, Virtual machine reserve (Percentage), Virtual machine limit (Percentage), Relative weight, Status Recorded as on.

Summary	Memory P	rocessor	Integratior	Services	Management Actions	Permissions S	how All				
2 Refresh	📑 Export	$\mathbb{V}^{\operatorname{Filter}}$	🛅 Cus	tomize	📑 Email						
Domain Nam	e Host Name	VM Name	State	Snapsho	ot Name	Snapshot Path	User Name	Access Typ	e Permission	Is Inherited	Status Recorded as on
VOYAGER	RD40	RD71	Running	RD71 - (4/9/2014 - 4:25:06 PM)	D:\Vm Store\RD71\R	71 CREATOR OWNER	Allow	FullControl	False	11/21/2015 11:54:49 AM
VOYAGER	RD40	RD71	Running	RD71 - (4/9/2014 - 4:25:06 PM)	D:\Vm Store\RD71\RI	71 BUILTIN\Administra	tors Allow	FullControl	False	11/21/2015 11:54:49 AM
VOYAGER	RD40	RD71	Running	RD71 - (4/9/2014 - 4:25:06 PM)	D:\Vm Store\RD71\R	71 NT VIRTUAL MACH	INE\Virt Allow	-2147483642	False	11/21/2015 11:54:49 AM
VOYAGER	RD40	RD71	Running	RD71 - (4/9/2014 - 4:25:06 PM)	D:\Vm Store\RD71\R	71 NT VIRTUAL MACH	INE\Virt Allow	CreateFiles, AppendData, Rei	False	11/21/2015 11:54:49 AM
VOYAGER	RD40	RD71	Running	RD71 - (4/9/2014 - 4:25:06 PM)	D:\Vm Store\RD71\R	071 BUILTIN\Administra	tors Allow	FullControl	True	11/21/2015 11:54:49 AM
VOYAGER	RD40	RD71	Running	RD71 - (4/9/2014 - 4:25:06 PM)	D:\Vm Store\RD71\R	71 NT AUTHORITY\SYS	TEM Allow	FullControl	True	11/21/2015 11:54:49 AM
VOYAGER	RD40	RD71	Running	RD71 - (4/9/2014 - 4:25:06 PM)	D:\Vm Store\RD71\R	71 CREATOR OWNER	Allow	FullControl	True	11/21/2015 11:54:49 AM
VOYAGER	RD40	RD71	Running	RD71 - (4/9/2014 - 4:25:06 PM)	D:\Vm Store\RD71\R	071 BUILTIN\Users	Allow	ReadAndExecute, Synchroniz	True	11/21/2015 11:54:49 AM
VOYAGER	RD40	RD71	Running	RD71 - (4/9/2014 - 4:25:06 PM)	D:\Vm Store\RD71\R	071 BUILTIN\Users	Allow	AppendData	True	11/21/2015 11:54:49 AM
VOYAGER	RD40	RD71	Running	RD71 - (4/9/2014 - 4:25:06 PM)	D:\Vm Store\RD71\R	071 BUILTIN\Users	Allow	CreateFiles	True	11/21/2015 11:54:49 AM
VOYAGER	RD40	RD71	Running	Automa	tion Anywhere - (11/19/2	D:\Vm Store\RD71\R	71 CREATOR OWNER	Allow	FullControl	False	11/21/2015 11:54:50 AM
VOYAGER	RD40	RD71	Running	Automa	tion Anywhere - (11/19/2	D:\Vm Store\RD71\R	071 BUILTIN\Administra	tors Allow	FullControl	False	11/21/2015 11:54:50 AM
VOYAGER	RD40	RD71	Running	Automa	tion Anywhere - (11/19/2	D:\Vm Store\RD71\R	71 NT VIRTUAL MACH	INE\Virt Allow	-2147483642	False	11/21/2015 11:54:50 AM
VOYAGER	RD40	RD71	Running	Automa	tion Anywhere - (11/19/2	D:\Vm Store\RD71\R	71 NT VIRTUAL MACH	INE\Virt Allow	CreateFiles, AppendData, Rei	False	11/21/2015 11:54:50 AM
VOYAGER	RD40	RD71	Running	Automa	tion Anywhere - (11/19/2	D:\Vm Store\RD71\R	71 BUILTIN\Administra	tors Allow	FullControl	True	11/21/2015 11:54:50 AM
VOYAGER	RD40	RD71	Running	Automa	tion Anywhere - (11/19/2	D:\Vm Store\RD71\R	71 NT AUTHORITY\SYS	TEM Allow	FullControl	True	11/21/2015 11:54:50 AM
VOYAGER	RD40	RD71	Running	Automa	tion Anywhere - (11/19/2	D:\Vm Store\RD71\R	71 CREATOR OWNER	Allow	FullControl	True	11/21/2015 11:54:50 AM
VOYAGER	RD40	RD71	Running	Automa	tion Anywhere - (11/19/2	D:\Vm Store\RD71\R	071 BUILTIN\Users	Allow	ReadAndExecute, Synchroniz	True	11/21/2015 11:54:50 AM
VOYAGER	RD40	RD71	Running	Automa	tion Anywhere - (11/19/2	D:\Vm Store\RD71\R	071 BUILTIN\Users	Allow	AppendData	True	11/21/2015 11:54:50 AM
VOYAGER	RD40	RD71	Running	Automa	tion Anywhere - (11/19/2	D:\Vm Store\RD71\R	071 BUILTIN\Users	Allow	CreateFiles	True	11/21/2015 11:54:50 AM
VOYAGER	RD40	RD71	Running	Base Os	Activated - (1/16/2014 -	D:\Vm Store\RD71\R	71 CREATOR OWNER	Allow	FullControl	False	11/21/2015 11:54:50 AM
VOYAGER	RD40	RD71	Running	Base Os	Activated - (1/16/2014 -	D:\Vm Store\RD71\R	071 BUILTIN\Administra	tors Allow	FullControl	False	11/21/2015 11:54:50 AM
VOYAGER	RD40	RD71	Running	Base Os	Activated - (1/16/2014 -	D:\Vm Store\RD71\R	71 NT VIRTUAL MACH	INE\Virt Allow	-2147483642	False	11/21/2015 11:54:50 AM
VOYAGER	RD40	RD71	Running	Base Os	Activated - (1/16/2014 -	D:\Vm Store\RD71\R	71 NT VIRTUAL MACH	INE\Virt Allow	CreateFiles, AppendData, Rei	False	11/21/2015 11:54:50 AM
VOYAGER	RD40	RD71	Running	Base Os	Activated - (1/16/2014 -	D:\Vm Store\RD71\R	71 BUILTIN\Administra	tors Allow	FullControl	True	11/21/2015 11:54:50 AM
VOYAGER	RD40	RD71	Running	Base Os	Activated - (1/16/2014 -	D:\Vm Store\RD71\R	71 NT AUTHORITY\SYS	TEM Allow	FullControl	True	11/21/2015 11:54:50 AM
VOYAGER	RD40	RD71	Running	Base Os	Activated - (1/16/2014 -	D:\Vm Store\RD71\R	71 CREATOR OWNER	Allow	FullControl	True	11/21/2015 11:54:50 AM
VOYAGER	RD40	RD71	Running	Base Os	Activated - (1/16/2014 -	D:\Vm Store\RD71\R	071 BUILTIN\Users	Allow	ReadAndExecute, Synchroniz	True	11/21/2015 11:54:50 AM
VOYAGER	RD40	RD71	Running	Base Os	Activated - (1/16/2014 -	D:\Vm Store\RD71\RE	71 BUILTIN\Users	Allow	AppendData	True	11/21/2015 11:54:50 AM

Click Show All tab to view the following information: Host Name, VM Name, Snapshot Name, Number of Processors, Virtual machine reserve (Percentage), Virtual machine limit (Percentage), Relative weight, Status Recorded as on.

Summary	Memory	Processor Integration Services	Management Actions Perm	issions Show All			
😰 Refresh	🔒 Ехро	ort 🕎 Filter 🛅 Customize	式 Email				
Host Name	VM Name	Snapshot Name	Memory	Processor	Integration Services	Management Actions	Status Recorded as or
RD40	RD71	RD71 - (4/9/2014 - 4:25:06 PM)	Startup Memory (MB) =2000	Number of Processors =1	Operating system shutdown =Enabled	Automatic Start Action =Nothing	4/27/2016 3:29:05 PM
RD40	RD71	RD71 - (4/9/2014 - 4:25:06 PM)	Dynamic Memory Enabled =False		Time synchronization =Enabled	Automatic Start Delay =0 Seconds	4/27/2016 3:29:05 PM
RD40	RD71	RD71 - (4/9/2014 - 4:25:06 PM)	Minimum Memory(MB) =512		Data Exchange =Enabled	Automatic Stop Action =Save state.	4/27/2016 3:29:05 PM
RD40	RD71	RD71 - (4/9/2014 - 4:25:06 PM)	Maximum Memory(MB) =1048576		Heartbeat =Enabled	Smart Paging File Location =D:\Vm	4/27/2016 3:29:05 PM
RD40	RD71	RD71 - (4/9/2014 - 4:25:06 PM)	Memory Buffer =20		Backup (Volume snapshot) =Enabled		4/27/2016 3:29:05 PM
RD40	RD71	RD71 - (4/9/2014 - 4:25:06 PM)	Memory Weight =5000				4/27/2016 3:29:05 PM
RD40	RD71	Automation Anywhere - (11/19/20	Startup Memory (MB) =5120	Number of Processors =1	Operating system shutdown =Enabled	Automatic Start Action =Nothing	4/27/2016 3:29:06 PM
RD40	RD71	Automation Anywhere - (11/19/20	Dynamic Memory Enabled =True		Time synchronization =Enabled	Automatic Start Delay =0 Seconds	4/27/2016 3:29:06 PM
RD40	RD71	Automation Anywhere - (11/19/20	Minimum Memory(MB) =5120		Data Exchange =Enabled	Automatic Stop Action =Save state.	4/27/2016 3:29:06 PM
RD40	RD71	Automation Anywhere - (11/19/20	Maximum Memory(MB) =6000		Heartbeat =Enabled	Smart Paging File Location =D:\Vm	4/27/2016 3:29:06 PM
RD40	RD71	Automation Anywhere - (11/19/20	Memory Buffer =20		Backup (Volume snapshot) =Enabled		4/27/2016 3:29:06 PM
RD40	RD71	Automation Anywhere - (11/19/20	Memory Weight =5000				4/27/2016 3:29:06 PM
RD40	RD71	Base Os Activated - (1/16/2014 - 2	Startup Memory (MB) =3072	Number of Processors =1	Operating system shutdown =Enabled	Automatic Start Action =Nothing	4/27/2016 3:29:08 PM
RD40	RD71	Base Os Activated - (1/16/2014 - 2	Dynamic Memory Enabled =False		Time synchronization =Enabled	Automatic Start Delay =0 Seconds	4/27/2016 3:29:08 PM
RD40	RD71	Base Os Activated - (1/16/2014 - 2	Minimum Memory(MB) =512		Data Exchange =Enabled	Automatic Stop Action =Save state.	4/27/2016 3:29:08 PM
RD40	RD71	Base Os Activated - (1/16/2014 - 2	Maximum Memory(MB) =1048576		Heartbeat =Enabled	Smart Paging File Location =D:\Vm	4/27/2016 3:29:08 PM
RD40	RD71	Base Os Activated - (1/16/2014 - 2	Memory Buffer =20		Backup (Volume snapshot) =Enabled		4/27/2016 3:29:08 PM
RD40	RD71	Base Os Activated - (1/16/2014 - 2	Memory Weight = 5000				4/27/2016 3:29:08 PM

How to view Virtual Hard Disk Reports?



Click on Hard Disks under VM Reports to view Virtual Hard Disks information available under each tab as listed below.

Click Summary tab to view the following information: Host Name, VM Name, State, Hard Disk Name, Format, Type, Location, Maximum Disk Size (GB), Current File Size (GB), Parent Path.

	Disks ×									
Summary	Permissions	Chart								
2 Refresh	🔒 Export	T Filter	Customize 📑	Email						
Host Name	VM Name	State	Hard Disk Name	Format	Туре	Location	Maximum Disk Size	Current File Size (GB)	Parent Path	Status Recorded as on
RD40	RD71	Running	RD71_9AB73379-F915-4	Vhdx	Differencing	D:\Vm Store\RI	40	1.765625	D:\Vm Store\RD71\RD71\Virtual Hard Dis	11/21/2015 11:57:40 A
RD40	RD90	Running	RD_D0D8BDC7-E2E3-4F/	Vhdx	Differencing	D:\Vm Store\Ri	30	2.1904296875	D:\Vm Store\RD90\RD\Virtual Hard Disks'	11/21/2015 11:57:40 A
ND40	Hyper-V Test	Turned off	Hyper-V Test.vhdx	Vhdx	DynamicallyExpanding	D:\Vm Store\H	10	0.00390625		11/21/2015 11:57:40 A
RD40	RD74	Turned off	RD74_99C31F37-F92C-4	Vhdx	Differencing	D:\Vm Store\Rl	30	13.298828125	D:\Vm Store\RD74\Virtual Hard Disks\RD	11/21/2015 11:57:41 A
D40	Rd72	Running	Rd72_50A4EDD3-F35D-4	Vhdx	Differencing	D:\Vm Store\RI	40	12.8974609375	D:\Vm Store\RD72\Rd72\Virtual Hard Dis	11/21/2015 11:57:41 A
RD40	RD48	Turned off	RD48.vhdx	Vhdx	DynamicallyExpanding	D:\Vm Store\Rl	40	13.87890625		11/21/2015 11:57:41 A
RD40	RD41	Running	RD41_24037E28-2938-4	Vhdx	Differencing	D:\Vm Store\RI	60	21.037109375	D:\Vm Store\RD41\RD41\Virtual Hard Dis	11/21/2015 11:57:42 #

Click Permissions tab to view the following information: VM Name, State, Hard Disk Name, Location, User Name, Access Type, Permission, Is Inherited, Status Recorded as on.

/irtual Hard	Disks ×									
Summary	Permissions	Chart								
Refresh	Export	T Filter	💼 Customi	ze 록 Email						
Domain Nam	ne Host Name	VM Name	State	Hard Disk Name	Location	User Name	Access Type	Permission	Is Inherited	Status Recorded as on
VOYAGER	RD40	RD71	Running	RD71_9AB73379-F915-4	D:\Vm Store\RD71\RD71\Virtual F	NT VIRTUAL MACHINE\48921	Allow	Write, Read, Synchro	False	11/21/2015 11:59:31 AM
VOYAGER	RD40	RD71	Running	RD71_9AB73379-F915-4	D:\Vm Store\RD71\RD71\Virtual H	NT VIRTUAL MACHINE\48921	Allow	FullControl	True	11/21/2015 11:59:31 AM
VOYAGER	RD40	RD71	Running	RD71_9AB73379-F915-4	D:\Vm Store\RD71\RD71\Virtual H	BUILTIN\Administrators	Allow	FullControl	True	11/21/2015 11:59:31 AM
VOYAGER	RD40	RD71	Running	RD71_9AB73379-F915-4	D:\Vm Store\RD71\RD71\Virtual H	NT AUTHORITY\SYSTEM	Allow	FullControl	True	11/21/2015 11:59:31 AM
VOYAGER	RD40	RD71	Running	RD71_9AB73379-F915-4	D:\Vm Store\RD71\RD71\Virtual H	BUILTIN\Users	Allow	ReadAndExecute, Syr	True	11/21/2015 11:59:31 AM
VOYAGER	RD40	RD90	Running	RD_D0D8BDC7-E2E3-4F	D:\Vm Store\RD90\RD\Virtual Har	NT VIRTUAL MACHINE\Virtua	Allow	Read, Synchronize	False	11/21/2015 11:59:31 AM
VOYAGER	RD40	RD90	Running	RD_D0D8BDC7-E2E3-4F.	D:\Vm Store\RD90\RD\Virtual Hai	NT VIRTUAL MACHINE\6C9DI	Allow	FullControl	True	11/21/2015 11:59:31 AM
VOYAGER	RD40	RD90	Running	RD_D0D8BDC7-E2E3-4F	D:\Vm Store\RD90\RD\Virtual Har	BUILTIN\Administrators	Allow	FullControl	True	11/21/2015 11:59:31 AM
VOYAGER	RD40	RD90	Running	RD_D0D8BDC7-E2E3-4F.	D:\Vm Store\RD90\RD\Virtual Hai	NT AUTHORITY\SYSTEM	Allow	FullControl	True	11/21/2015 11:59:31 AM
VOYAGER	RD40	RD90	Running	RD_D0D8BDC7-E2E3-4F	D:\Vm Store\RD90\RD\Virtual Har	BUILTIN\Users	Allow	ReadAndExecute, Syr	True	11/21/2015 11:59:31 AM
VOYAGER	RD40	Hyper-V Test	Turned off	Hyper-V Test.vhdx	D:\Vm Store\Hyper-V Test\Hyper-	BUILTIN\Administrators	Allow	FullControl	False	11/21/2015 11:59:32 AM
VOYAGER	RD40	Hyper-V Test	Turned off	Hyper-V Test.vhdx	D:\Vm Store\Hyper-V Test\Hyper-	NT VIRTUAL MACHINE\C1724	Allow	Write, Read, Synchro	False	11/21/2015 11:59:32 AM
VOYAGER	RD40	Hyper-V Test	Turned off	Hyper-V Test.vhdx	D:\Vm Store\Hyper-V Test\Hyper-	BUILTIN\Administrators	Allow	FullControl	True	11/21/2015 11:59:32 AM
VOYAGER	RD40	Hyper-V Test	Turned off	Hyper-V Test.vhdx	D:\Vm Store\Hyper-V Test\Hyper-	NT AUTHORITY\SYSTEM	Allow	FullControl	True	11/21/2015 11:59:32 AM
VOYAGER	RD40	Hyper-V Test	Turned off	Hyper-V Test.vhdx	D:\Vm Store\Hyper-V Test\Hyper-	BUILTIN\Users	Allow	ReadAndExecute, Syr	True	11/21/2015 11:59:32 AM
VOYAGER	RD40	RD74	Turned off	RD74_99C31F37-F92C-4	D:\Vm Store\RD74\Virtual Hard D	NT VIRTUAL MACHINE\C7DA	Allow	Write, Read, Synchro	False	11/21/2015 11:59:32 AM
VOYAGER	RD40	RD74	Turned off	RD74_99C31F37-F92C-4	D:\Vm Store\RD74\Virtual Hard D	NT VIRTUAL MACHINE\C7DA	Allow	FullControl	True	11/21/2015 11:59:32 AM
VOYAGER	RD40	RD74	Turned off	RD74_99C31F37-F92C-4	D:\Vm Store\RD74\Virtual Hard D	BUILTIN\Administrators	Allow	FullControl	True	11/21/2015 11:59:32 AM
VOYAGER	RD40	RD74	Turned off	RD74_99C31F37-F92C-4	D:\Vm Store\RD74\Virtual Hard D	NT AUTHORITY\SYSTEM	Allow	FullControl	True	11/21/2015 11:59:32 AM
VOYAGER	RD40	RD74	Turned off	RD74_99C31F37-F92C-4	D:\Vm Store\RD74\Virtual Hard D	BUILTIN\Users	Allow	ReadAndExecute, Syr	True	11/21/2015 11:59:33 AM
VOYAGER	RD40	Rd72	Running	Rd72_50A4EDD3-F35D-4	D:\Vm Store\RD72\Rd72\Virtual H	NT VIRTUAL MACHINE\Virtua	Allow	Read, Synchronize	False	11/21/2015 11:59:33 AM
VOYAGER	RD40	Rd72	Running	Rd72_50A4EDD3-F35D-4	D:\Vm Store\RD72\Rd72\Virtual H	NT VIRTUAL MACHINE\E6A2E	Allow	Write, Read, Synchro	False	11/21/2015 11:59:33 AM
VOYAGER	RD40	Rd72	Running	Rd72_50A4EDD3-F35D-4	D:\Vm Store\RD72\Rd72\Virtual H	NT VIRTUAL MACHINE\E6A2E	Allow	FullControl	True	11/21/2015 11:59:33 AM
VOYAGER	RD40	Rd72	Running	Rd72_50A4EDD3-F35D-4	D:\Vm Store\RD72\Rd72\Virtual H	BUILTIN\Administrators	Allow	FullControl	True	11/21/2015 11:59:33 AM
VOYAGER	RD40	Rd72	Running	Rd72_50A4EDD3-F35D-4	D:\Vm Store\RD72\Rd72\Virtual H	NT AUTHORITY\SYSTEM	Allow	FullControl	True	11/21/2015 11:59:33 AM
VOYAGER	RD40	Rd72	Running	Rd72_50A4EDD3-F35D-4	D:\Vm Store\RD72\Rd72\Virtual H	BUILTIN\Users	Allow	ReadAndExecute, Syr	True	11/21/2015 11:59:33 AM
VOYAGER	RD40	RD48	Turned off	RD48.vhdx	D:\Vm Store\RD48\RD48\Virtual H	NT VIRTUAL MACHINE\F0525	Allow	Write, Read, Synchro	False	11/21/2015 11:59:33 AM
VOYAGER	RD40	RD48	Turned off	RD48.vhdx	D:\Vm Store\RD48\RD48\Virtual H	BUILTIN\Administrators	Allow	FullControl	True	11/21/2015 11:59:33 AM
VOYAGER	RD40	RD48	Turned off	RD48.vhdx	D:\Vm Store\RD48\RD48\Virtual F	NT AUTHORITY\SYSTEM	Allow	FullControl	True	11/21/2015 11:59:33 AM

Click Chart tab to view the following information:



How to view Integration Services Reports?



under VM Reports to view Integration Services information available under each

tab as listed below.

Click on

Click Summary tab to view the following information: *Host Name, VM Name, State, Operating system shutdown, Time synchronization, Data Exchange, Heartbeat, Backup (Volume snapshot), Status Recorded as on*.

How to view DVD Drives Reports?



Click on **Drives** under VM Reports to view DVD Drives information available under each tab as listed below.

Click Summary tab to view the following information: Host Name, VM Name, State, Mounted Media, Controller, Location, Status Recorded as on.

How to view All VM Settings Reports?



Click on

Settings under VM Reports to view All VM Settings available under each tab as listed below.

VM Settings ×							
All Settings							
👔 Refresh 📑 Export 🖼 Ema	1						
Attributes	RD71	RD90	Hyper-V Test	RD74	Rd72	RD48	RD41
Memory							
Startup Memory (MB)	5120	1000	512	1000	1024	2000	4000
Dynamic Memory Enabled	True	True	False	True	False	True	True
Minimum Memory (MB)	5120	1000	512	1000	512	512	4000
Maximum Memory (MB)	6000	2000	1048576	1024	5000	1048576	7168
Assigned Memory (MB)	5120	1000			1024		6534
Memory Buffer (%)	20	20	20	45	20	20	20
Memory Demand (MB)	1434	670	0	0	0	0	5423
Processor							
Number of Processor	1	1	0	0	4	0	1
Role	Virtual Processor	Virtual Processor	Virtual Processor	Virtual Processor	Virtual Processor	Virtual Processor	Virtual Processor
Characteristics	64 bit capable	64 bit capable	64 bit capable	64 bit capable	64 bit capable	64 bit capable	64 bit capable
CurrentClockSpeed	2993 megahertz	2993 megahertz	2993 megahertz	2993 megahertz	2993 megahertz	2993 megahertz	2993 megahertz
ExternalBusClockSpeed	100 megahertz	100 megahertz	100 megahertz	100 megahertz	100 megahertz	100 megahertz	100 megahertz
Virtual machine limit (Percentage)	100	100	0	0	100	0	100
Virtual machine reserve (Percentage)	0	0	0	0	0	0	0
Network							
Adapter	Network Adapter: [Dynan	Network Adapter: [Dynami			Network Adapter: [Dynamic I		Network Adapter: [Dyna:
Connection	Qualcomm Atheros AR81	Qualcomm Atheros AR815			Qualcomm Atheros AR8151		Qualcomm Atheros AR8
Connection Type	External	External			External		External
IP Addresses	10.10.10.34	10.10.10.75			10.10.10.56		10.10.10.46
Replication							
Replication Type	None	None	None	Primary	None	None	None
Replication State	Disabled	Disabled	Disabled	Critical	Disabled	Disabled	Disabled
Replication Health	NotApplicable	NotApplicable	NotApplicable	Critical	NotApplicable	NotApplicable	NotApplicable
Current Primary Server				RD40.Voyager.local			
Current Replica Server				RD06.MPRTEST.local			
Hard Disk							
Hard Disk Name	RD71 9A873379-F915-49	RD D0D8BDC7-E2E3-4FAC	Hyper-V Test.vhdv	RD74 99C31E37-E92C-	Rd72 50A4EDD3-F35D-467C	RD48.vhdx	RD41 24037E28-2938-4

Schedule

About Schedule Reports

Task Manager

How to Schedule Reports?

About Schedule Reports

Vyapin Virtualization Management Suite provides a powerful offline report generation feature called Schedule Report. Schedule Report allows the user to select multiple reports to be run for several hosts and VMs across the enterprise at scheduled intervals. The Schedule Report feature has the ability to export and/or e-mail the reports in different file formats.

Please note the following while using the Schedule Report Wizard:

- a) Scheduled reports will be created as a "task" in Windows Task Scheduler.
- b) The scheduled job will generate and export/email the reports in different file formats (HTML, CSV and XLSX) to the desired folder path/printer.
- c) By default, for each task, a sub-folder with the task name will be created under the specified export path. All selected Reports will be exported to a time-stamped sub-folder, in the format "yyyy-mm-dd hh.mm.ss", under the task name folder. Therefore, the full folder path for all the exported reports refers to the following directory: <*Export path*>*Task name*<*Time stamp*>.
- d) A separate file will be created for each report in the desired file format. For example, in the HTML file format, each report will be created as a .html file.

Note: Schedule Report Wizard will help you create and store the settings for a task, which you may view or modify later using the Scheduled Tasks Manager. The task will be created with the settings (Schedule Type and Run As parameter) provided using the Schedule Report Wizard. A valid password must be specified for the Run As parameter of the task.

Schedule Task Manager

The Scheduled Tasks Manager allows you to perform the following operations:

- View summary information for the tasks created
- View exported files of the task
- Edit an existing task
- Delete a task

View summary information of a task

The pane on the left hand side in the Scheduled Tasks Manager window lists the tasks maintained in Vyapin Virtualization Management Suite. To view summary information of a task, select the desired task on the left pane. The summary information of the selected task will be displayed in the right pane as shown below:



The task summary includes information about the task information, reports selected, export/e-mail settings.

View exported files

To view the reports generated and exported by the task, perform either one of the following steps:

• Select Scheduled Tasks node on the left pane, and then click on the hyperlink in the Exported Files column in the right pane for the desired task.

View Details

To view the details of the reports generated and exported folder path by the task, perform either one of the following steps:

• Select **Scheduled Tasks** node on the left pane, and then click on the **View Details** hyperlink in the right pane for the desired task.

OR

• Select the desired task on the left pane, and then click on the hyperlink next to Exported Files.

Edit Task

- 1. Select a task from the Scheduled Tasks Manager Window and Click Edit Task.
- 2. Perform the steps as in <u>How to Schedule reports?</u> While proceeding through the wizard, you may change the settings, add a new report, delete a report, edit a report, change the export path etc.
- 3. The new settings will be used when the task runs the next time.

Delete Task

To delete a task from the Scheduled Tasks Window, select the task and click Delete Task. The deleted task will be removed permanently from the Windows Task Scheduler.

How to Schedule Reports?



Select

option under Reports. This will bring up the Schedule Report Wizard.

Step 1: Report Selection

Scheduler	x
Step 1 of 5: Report Selection	
Select the desired report(s) using the checkboxes given below.	
Reports	*
E Summary	
Summary	
V Management	=
■ Memory	
Summary	
Networking	
- Summary	
Advanced Features	
- Summary	
NUMA Topology	
Processor Configuration	
Replication	
Summary	*
<u>Back</u> <u>N</u> ext <u>C</u> a	ancel

- 1. **Select** the report(s) using the checkboxes to the left of the reports. You may select any number of reports to run in a single task.
- 2. Click **Next** to proceed to the next step.

Step 2: Host/VM Selection

Scheduler				x
Step 2 of 5: Host/VM Selection				
Select the list of VMs for which you would like	to generate the report.			
Configured Hosts Configured Hosts RD40 RD71 RD90 RD74 Rd72 RD48 RD48 RD41				
		<u>B</u> ack	<u>N</u> ext	<u>C</u> ancel

- 1. Select the Hosts and VMs for which you wish to run the reports selected in Step 1.
- 2. Click Next to proceed to the Next step.

Step 3: Delivery Options

Scheduler X
Step 3 of 5: Delivery Options
Select the report delivery options. You can Export and E-mail the reports using the options below. In case of export option, for each task, a sub-folder with the task name will be created under the specified export path. All selected reports will be exported to a time-stamped folder in the format "yyyy-mm-dd hh.mm.ss" under the task name folder.
Export Type: HTML
Export
Export Path: C:\Users\Public\Documents\Vyapin \
Email
To Address: Additional E-mail Settings
Compress the attachment
<u>B</u> ack <u>N</u> ext <u>C</u> ancel

- 1. Change the Export or E-mail settings as necessary.
- 2. Use Browse button to change the export path.
- Click Additional E-mail Settings button to specify optional e-mail settings as shown below.

Additional E-mail S	Additional E-mail Settings						
You can customize the SMTP Server, From and To address, Subject and body of the e-mail message.							
SMTP Server:	RD40						
<u>F</u> rom:	adminuser@voyager.com						
<u>T</u> o:	adminuser1@voyager.com						
S <u>u</u> bject:	Reports generated by Vyapin Virtualization Managen						
Please find the att Management Suite	ached report generated by Vyapin Virtualization e						
	OK Cancel						

Step 4: Schedule Settings

🛃 Scheduler	
Step 4 of 5: Schedu	le Settings
Enter a unique task i	name and specify its schedule settings.
Task Name:	Tasks 01
Specify an account	that has sufficient privileges to retrieve report information from the selected Domains/Servers.
Run As:	voyager\adminuser3
	Voyager (administers
Password:	•••••
Schedule Task:	Once Start time: 12:56 PM Advanced
Run on: Monday,	, April 25, 2016 15
	<u>B</u> ack <u>N</u> ext <u>C</u> ancel

- 1. Enter a unique name for the task.
- 2. Change the Run as parameter, if necessary and set the password for the specified user.
- 3. Change the task schedule settings as required.
- 4. Click Next to proceed to the next and final step.

Step 5: Summary

🛃 Scheduler				3
Step 5 of 5: Su	mmary			
Click Finish to s	save the task	details.		
Task Name:	Tasks 01			
Run As:	voyager\ad	lminuser3		
				_
Schedule:	At 12:56 P	M on 04/25/	16	
Report Name	e	Export As	Export Folder (Export Path\Task Name)	
Sumamry-Su	mmary	HTML	C:\Users\Public\Documents\Vyapin Virtualization Management Suite\Expo	rt
Sumamry-Ma	anagement	HTML	$\label{eq:c:Users} C: Users \ Documents \ Vyapin \ Virtualization \ Management \ Suite \ Exponents \ Vyapin \ Virtualization \ Management \ Suite \ Exponents \ Vyapin \ Virtualization \ Management \ Suite \ Vyapin \ Virtualization \ Vyapin \ Vyapin \ Virtualization \ Vyapin \ Virtualization \ Vyapin \ Vyapin \ Vyapin \ Virtualization \ Vyapin \$	rt
•			III	
			<u>B</u> ack <u>F</u> inish <u>C</u> ancel	

- 1. This step displays the summary information of the task.
- 2. Click Finish to save the task details.
- 3. The task will be added to Windows Scheduled Tasks and will be displayed in the Scheduled Tasks Manager Window as shown below:

Scheduled Tasks ×									
🖃 👸 Scheduled Tasks	Task Name: Tasks	Tasks 01							
🖉 Tasks 01	Run As: Voyag	Voyager\adminuser							
	Schedule: At 2:10	At 2:10 PM every day, starting 04/25/16							
	产 Edit Task 🗙	Delete Task							
	Report Name	Export As	Export Folder (Export Path\Task Name) Email						
	Sumamry-Manager	ent HTML	C:\Users\Public\Documents\Vyapin Virtualization Management Suite\Export\Tasks 01						
	Sumamry-Summary	HTML	C:\Users\Public\Documents\Vyapin Virtualization Management Suite\Export\Tasks 01						
< >			Close						

VM Performance Analyzer

Data Collector

Live Performance Data

Performance Reports

Data Collector

About Data Collector

How to configure a host and VM for data collection?

The **Data Collector** feature provides the option to configure hosts and virtual machines for collecting their performance counter data at regular interval of time. Based on the setting, it collects the performance counter data to report any changes made to the host/virtual machine. Data Collector feature allows you to create a schedule task for a host and its virtual machines in a single task.

For more information about data collector, follow the links given below:

How to configure a host and VM for data collection?

How to configure a host and VM for data collection?



Click under VM Performance Analyzer module. This will bring up the New Data Collector Task Wizard as displayed below:

Step 1: Select Host and configure counters

New Data Collector Task	×						
Step 1 of 3: Select Host and configure counters							
Select a host from the list of configured hosts. Select the desired counters using the checkboxes. Click 'Add' to add the selected counters for the selected host/VMs.							
Configured Hosts: Select a Host	Selected Counters						
Select Host/VM: Click here to Add Host	Host/VI Counter Name Counter Variable						
-Host Counter	>						
Description	<u>R</u> emove <<						
	<u>Back N</u> ext <u>C</u> ancel						

To configure a host for analysis, click <u>Click here to Add Host...</u> menu.

Select a host from the list of **Configured Hosts** drop-down. The list of VMs in the selected host will be displayed in the **Select Host/VM** drop-down, as shown below:

🚎 New Data Collecto	r Task				×		
Step 1 of 3: Select Host and configure counters Select a host from the list of configured hosts. Select the desired counters using the checkboxes. Click 'Add' to add the selected counters for the selected host/VMs.							
Configured Hosts: Select Host/VM: Host Counters - Memory - Processor - Network Interface - LogicalDisk - Favorites	RD40 Host RD40 List of VMs RD71	<u>A</u> dd >>	Selected Co Host/VN	Counter Name	Counter Variable		
Description				Back	<u>N</u> ext <u>C</u> ancel		

- 1. Select a host/VM. This will display the Performance counters for the selected host/VM in the tree view.
- 2. Select the desired counters using the checkboxes.
- 3. Click Add >> to add the selected counters for the selected host/VMs.

🔄 New Data Collector Task							
Step 1 of 3: Select Host and configure counters Select a host from the list of configured hosts. Select the desired counters using the checkboxes. Click 'Add' to add the selected counters for the selected host/VMs.							
Configured Hosts:	RD40 -		Selected C	Counters]		
Select Host/VM:	RD90 -		Host/VI	Counter Name	Counter Variable		
VM Counters			RD40	Hyper-V Hypervi	% Total Run Time		
			RD40	Hyper-V Hypervi	% Hypervisor Run Time		
- 🔲 CPU V	Wait Time Per Dispatch		RD40	Hyper-V Hypervi	% Idle Time		
- 📝 % Tot	tal Run Time		RD40	Network Interfac	Bytes Total/sec		
			RD90	Hyper-V Hypervi	% Total Run Time		
- 🗹 % Hy	pervisor Run Time		RD90	Hyper-V Hypervi	% Hypervisor Run Time		
— 📝 % Gu	— 📝 % Guest Run Time		RD90	Hyper-V Hypervi	% Guest Run Time		
- 🔲 Total Messages/sec							
Total Intercepts/sec							
· · · · · · · · · · · · · · · · · · ·		-	•		•		
Apply selection to ot	her VMs		<u>R</u> emove <	<			
Description							
The percentage of time spent by the virtual processor in guest code.							
				<u>B</u> ack	<u>N</u> ext <u>C</u> ancel		

- 4. You may also use Apply selection to other VMs... option to apply the selected counters to the desired VMs.
- 5. Use Remove << button to remove the selected counters.

Click Next to proceed.
New Data Collector Task	x				
Step 2 of 3: Schedule data collection					
Enter a unique name for the data collection task and schedule the task.					
Tasks 01					
Sample Interval : 1 🚔 Minutes 🔻 🛛 Run At System Startup					
Schedule Task: Daily Start time: 03:15 PM Advanced					
Schedule Task Daily	_				
Every 1 - day(s)					
<u>B</u> ack <u>N</u> ext <u>C</u> ance	I				

- 1. Enter a unique name for the data collection task and schedule it.
- 2. Change the data collection task schedule settings as required.
- 3. Select a Sample Interval time at which the selected counters have to be collected.
- 4. Use Run At System Startup option as required. To set this option in the scheduled task, the currently logged on user to have administrative privileges. If User Access Control (UAC) is enabled and if the currently logged on user does not have administrative privileges, UAC prompt will appear to elevate the user's privileges.
- 5. Click **Next** to proceed to the final step.

Step 3: Summary

1. This step displays the summary information of the task.

🚎 New Data	Collector Task				23		
Step 3 of 3: Summary							
Click Finish to	Click Finish to save the task details.						
Task Name:	Tasks 01						
Schedule:	At 02:30 PM every day						
Host/VM Na	ame Counter Name	Counter Variable					
RD40	Hyper-V Hypervisor Logical Processor	% Hypervisor Run Time					
RD40	Hyper-V Hypervisor Logical Processor	% Idle Time					
RD40	Network Interface	Bytes Total/sec					
RD90	Hyper-V Hypervisor Virtual Processor	% Total Run Time					
RD90	Hyper-V Hypervisor Virtual Processor	% Hypervisor Run Time					
RD90	Hyper-V Hypervisor Virtual Processor	% Guest Run Time					
			De els ser	F *-14	C1		
			Back	Finish	Cancel		

2. Click **Finish** to save the task details. User credential dialog will appear, as shown below:

Task Scheduler	23
User Name :	voyager\adminuser2
Password :	****
Confirm Password :	******
	OK Cancel

Specify Run As account and password, click **OK** to create a Data Collector Task.

3. The task will be added to Windows Scheduled Tasks and will be displayed in the Collector Tasks window as shown below:

Collector Tasks ×						
🖻 🚮 Collector Tasks	Task Name	Status	Run as	Schedule		
🔉 🔉 Tasks 01	Tasks 01	Ready	VSSLAB\adminuser2	Multiple Triggers Defined	View Details	
< >						
< III >						Close

Live Performance Data

How to view the occurrence of configured performance counters in Data Collector?

How to view the occurrence of configured performance counters in Data Collector?

Live Performance Data feature allows you to view the occurrence of all performance counters for the host or virtual machines configured in the Data Collector Task in the application. This feature will display you the collected performance counters at the time intervals specified in the data collector task.



Click under Performance Analyzer module. This will launch the Live Performance Data window as shown below.

In the left pane, it will show the list of tasks configured in the **Data Collector** feature. Select a task and view the occurrence of the performance counters for a host and virtual machines at different times.

Time Interval: 1 Minute(s)	Task Statu:	s: Rur
Counter Name Instance Name	Value Time Recorded as on	
RD40 26 item(s)		
Processor 20 item(s)		
% Idle Time hv lp 3	72.3011398912261 4/22/2016 2:41:09 PM	
% Total Run Time hv lp 3	27.6178384284898 4/22/2016 2:41:09 PM	
% Idle Time hv lp 2	36.7899270765222 4/22/2016 2:41:09 PM	
% Total Run Time hv lp 2	63.1491101107936 4/22/2016 2:41:09 PM	
% Idle Time hv lp 1	64.3608466796419 4/22/2016 2:41:09 PM	
% Total Run Time hv lp 1	35.5781905076738 4/22/2016 2:41:09 PM	
% Idle Time hv lp 0	71.3407490821689 4/22/2016 2:41:09 PM	
% Total Run Time hv lp 0	28.6054449328007 4/22/2016 2:41:09 PM	
% Idle Time _total	61.1985413349673 4/22/2016 2:41:09 PM	
% Total Run Time _total	38.737269311704 4/22/2016 2:41:09 PM	
% Idle Time hv lp 3	57.3677463179428 4/22/2016 2:42:10 PM	
% Total Run Time hv lp 3	43.7391285569006 4/22/2016 2:42:10 PM	
% Idle Time hv lp 2	57.758397958182 4/22/2016 2:42:10 PM	
% Total Run Time hv lp 2	43.350858937862 4/22/2016 2:42:10 PM	
% Idle Time hv lp 1	65.5196503065772 4/22/2016 2:42:10 PM	
% Total Run Time hv lp 1	35.6966353348215 4/22/2016 2:42:10 PM	
% Idle Time hv lp 0	71.4956562020096 4/22/2016 2:42:10 PM	

You can also view the performance of Virtual Machines as shown below:

Time Interval: 1 Minute(s)	Task Status: Running
Host VM	
Counter Name Instance Name Counter Value Time Recorded as on	
RD90 6 item(s)	
Processor 6 item(s)	
% Total Run Time rd90:hv vp 0 0.53585283895486 4/22/2016 2:41:09 PM	
% Hypervisor Run Time rd90:hv vp 0 0.100018878442042 4/22/2016 2:41:09 PM	
% Guest Run Time rd90:hv vp 0 0.435833960512818 4/22/2016 2:41:09 PM	
% Total Run Time rd90:hv vp 0 0.725899830738049 4/22/2016 2:42:10 PM	
% Guest Run Time rd90:hv vp 0 0.641318002119215 4/22/2016 2:42:10 PM	
	Host VM Counter Name Instance Name Counter Value Time Recorded as on

Performance Report

About Performance Report

How to generate Host Performance Summary reports?

How to generate VM Performance Summary reports?

The Performance Reports in VM Performance Analyzer module is a powerful feature that shows reports of host and virtual machine performance counters that are configured in the Data Collector feature. This feature also displays the summarized reports of performance counters such as "By Every 15 minutes of the day", "By Every Half hour of the day", "By Day" etc.,. It may be useful to analyze the workload by aggregating data from pre-defined time intervals such as Daily, Weekly and Monthly as subsets of data.

See also

- <u>How to generate Host Performance Summary Reports</u>?
- How to generate VM Performance Summary Reports?

How to generate Host Performance Summary Reports?



Click under VM Performance Analyzer module. This will bring up the Performance Reports Wizard as shown below:

Step 1: Host/VMs Selection

Select the hosts from the list of Host Performance Report drop-down. The hosts for which performance counter data has been collected will be displayed here.

Performance Reports		x			
Step 1 of 2: Host/VMs Selection					
Select Hosts or VMs to generate the perform data has been collected will be displayed he	rmance report. Only those Hosts and VMs for which performance nere.				
<u> </u>					
VM Performance Report:	✓ RD30				
	<u>B</u> ack <u>N</u> ext <u>C</u> an	cel			

Click Next to proceed.

Step 2: Performance Counter Selection

Select a Performance counter from the list of Available Host Counters. Select a Date Range and the type of summary you would like to use when aggregating multiple data points.

Performance Reports	×				
Step 2 of 2: Performance Counter Selection					
Select a counter for which you want to analyze performance and specify a date range. Select the type of summarization you would like to use when aggregating multiple data points.					
Available Host Counters :					
Select Date Rang					
From: 0 % Guest Run Time 2:3	2 PM 👻				
% Total Run Time					
% Idle Time					
Summarize By: Every Hour of the day 🔹					
'Every Hour of the Day' option will aggregate the selected perform on the clock from the given date and time. For example, all data AM on January 1, 2016 will be aggregated to a single data point	points between 10.00 AM to 10.59				
Back	Finish Cancel				

Performance Reports					
Step 2 of 2: Performance Counter Selection					
Select a counter for which you want to analyze performance and specify a date range. Select the type of summarization you would like to use when aggregating multiple data points.					
Available Host Counters : Select Date Range					
Available Dates: From 16-06-2016 12:33:05 To 16-06-2016 12:33:05					
Fro <u>m</u> : 06/15/2016 12:32 PM ▼ <u>T</u> o: 06/16/2016 12:32 PM ▼					
Summarize By: Every Hour of the day					
'Every Hour of the Day' option will aggregate the selected performance counter data by every hour on the clock from the given date and time. For example, all data points between 10.00 AM to 10.59 AM on January 1, 2016 will be aggregated to a single data point at 10.00 AM on January 1, 2016.					
<u>B</u> ack <u>F</u> inish <u>C</u> ancel					

Available Dates shows the start and end date range value for which collected data of the selected counter is available.

Summarize By option shows the following details as shown below:

- Every 15 minutes of the day 'Every 15 minutes of the day' option will aggregate the selected performance counter data by every 15 minutes on the clock from the given date and time. For example, all data points between 10.00 AM to 10.14 AM on January 1, 2016 will be aggregated to a single data point at 10.00 AM on January 1, 2016.
- Every Half hour of the day 'Every Half Hour of the day' option will aggregate the selected performance counter data by every half hour on the clock from the given date and time. For example, all data points between 10.00 AM to 10.29 AM on January 1, 2016 will be aggregated to a single data point at 10.00 AM on January 1, 2016.
- Every Hour of the day 'Every Hour of the day' option will aggregate the selected performance counter data by every hour on the clock from the given date and time. For example, all data points between 10.00 AM to 10.59 AM on January 1, 2016 will be aggregated to a single data point at 10.00 AM on January 1, 2016.
- **Day** 'Day' option will aggregate the selected performance counter by every day from the given date and time.
- **Day of week** 'Day of week' option will aggregate the selected performance counter by every day of the week such as Monday, Tuesday and so on from the given date and time. For example, all

data points of Mondays will be collected and aggregated as a single data point called Monday. This will help you compare performance of each day of the week with the other days of the week.

- **Week** 'Week' option will aggregate the selected performance counter by the week number from the given date and time.
- **Month** 'Month' option will aggregate the selected performance counter by month, such as January, February and so on, from the given date and time. This will help analyze performance of workload with respect to seasonal variations such as holiday months.
- **Do Not Summarize** 'Do Not Summarize' option will show the raw data point for selected performance counter from given date and time.



Click **Finish** to generate the report.

- You can use Chart Style option to change the view of the chart style.
- You can use Select Instances option to filter the instances of the performance counter.

Chart Data				
Export	📑 Email			
Host Name	Summarize(By Day)	Instance Name	% Total Run Time	
RD30	04/11/16	_total	1.09154926489745	
RD30	04/11/16	root vp 0	2.28071723904027	
RD30	04/11/16	root vp 1	1.0090493122732	
RD30	04/11/16	root vp 2	0.774731407451709	
RD30	04/11/16	root vp 3	0.301687965356343	
RD30	04/13/16	_total	3.6024102335805	
RD30	04/13/16	root vp 0	6.06966438460061	
RD30	04/13/16	root vp 1	4.94436481275168	
RD30	04/13/16	root vp 2	3.02940176753241	
RD30	04/13/16	root vp 3	0.364909152280652	
RD30	04/19/16	_total	1.96131925971397	
RD30	04/19/16	root vp 0	6.45110139872072	
RD30	04/19/16	root vp 1	0.631929758460881	
RD30	04/19/16	root vp 2	0.396998911351152	
RD30	04/19/16	root vp 3	0.365246970323145	

How to generate VM Performance Summary Reports?



Click under VM Performance Analyzer module. This will bring up the Performance Reports Wizard as shown below:

Step 1: Host/VMs Selection

Select the VMs from the VM Performance Report drop-down. The VMs for which performance counter data has been collected will be displayed here.

Performance Reports	×				
Step 1 of 2: Host/VMs Selection Select Hosts or VMs to generate the performance report. Only those Hosts and VMs for which performance data has been collected will be displayed here.					
○ <u>H</u> ost Performance Report:	RD30 -				
<u>∨</u> M Performance Report:	RD71,RD90,RD74 ▼ RD40 ▼ RD71 ▼ RD90 ▼ RD74 ■ Rd72 ■ RD48 ■				
	RD41				
	<u>B</u> ack <u>N</u> ext <u>Cancel</u>				

Click Next to proceed.

Step 2: Performance Counter Selection

Select a Performance counter from list of Available VM counters. Specify a Date Range and Select the type of summary you would like to use when aggregating multiple data points.

Performance Reports						
Step 2 of 2: Performance Counter Selection						
	Select a counter for which you want to analyze performance and specify a date range. Select the type of summarization you would like to use when aggregating multiple data points.					
Available VM Counters :	•					
~Select Date Rar	Processor Hyper-V Hypervisor Virtual Processor					
From:	% Guest Run Time % Hypervisor Run Time	12:35 PM 🔻				
	% Total Run Time Memory					
Summarize B	Hyper-V Dynamic Memory VM					
'Every Hour o	Average Pressure	rformance counter data by every hour				
on the clock f	Guest Visible Physical Memory	ata points between 10.00 AM to 10.59				
AM on Januar	Current Pressure	oint at 10.00 AM on January 1, 2016.				
	Physical Memory					
		Back Finish Cancel				

Performance Reports								
Step 2 of 2: Performance Counter Selection								
Select a counter for which you want to analyze performance and specify a date range. Select the type of summarization you would like to use when aggregating multiple data points.								
Available VM Counters : 🕅 Total Run Time								
Select Date Range								
Available Dates: From 16-06-2016 12:33:05 To 16-06-2016 12:38:06								
Fro <u>m</u> : 06/15/2016 12:35 PM ▼ <u>T</u> o: 06/16/2016 12:38 PM ▼								
Summarize By: Every Hour of the day								
'Every Hour of the Day' option will aggregate the selected performance counter data by every hour on the clock from the given date and time. For example, all data points between 10.00 AM to 10.59 AM on January 1, 2016 will be aggregated to a single data point at 10.00 AM on January 1, 2016.								
<u>B</u> ack <u>F</u> inish <u>C</u> ancel								

Available Dates shows the start and end date range value for collected data of the selected counter

Summarize By option shows the following details as shown below:

- Every 15 minutes of the day 'Every 15 minutes of the day' option will aggregate the selected performance counter data by every 15 minutes on the clock from the given date and time. For example, all data points between 10.00 AM to 10.14 AM on January 1, 2016 will be aggregated to a single data point at 10.00 AM on January 1, 2016.
- Every Half hour of the day 'Every Half Hour of the day' option will aggregate the selected performance counter data by every half hour on the clock from the given date and time. For example, all data points between 10.00 AM to 10.29 AM on January 1, 2016 will be aggregated to a single data point at 10.00 AM on January 1, 2016.
- Every Hour of the day 'Every Hour of the day' option will aggregate the selected performance counter data by every hour on the clock from the given date and time. For example, all data points between 10.00 AM to 10.59 AM on January 1, 2016 will be aggregated to a single data point at 10.00 AM on January 1, 2016.
- **Day** 'Day' option will aggregate the selected performance counter by every day from the given date and time.
- **Day of week** 'Day of week' option will aggregate the selected performance counter by every day of the week such as Monday, Tuesday and so on from the given date and time. For example, all

data points of Mondays will be collected and aggregated as a single data point called Monday. This will help you compare performance of each day of the week with the other days of the week.

- Week 'Week' option will aggregate the selected performance counter by the week number from the given date and time.
- **Month** 'Month' option will aggregate the selected performance counter by month, such as January, February and so on, from the given date and time. This will help analyze performance of workload with respect to seasonal variations such as holiday months.
- **Do Not Summarize** 'Do Not Summarize' option will show the raw data point for selected performance counter from given date and time.

Click **Finish** to generate the report.

Once the data collection process is complete, the report would be generated in a report window as shown below:



You can use **Chart Style** option to change the view of the chart style.

Chart	Data			
Export	📑 Email			
Host Name	VM Name	Summarize(By Every Hour of the day)	Instance Name	% Total Run Time
RD40	RD71	1:00 PM-2:00 PM	rd71:hv vp 0	31.4648881031564
RD40	RD71	10:00 AM-11:00 AM	rd71:hv vp 0	15.5389971680186
RD40	RD71	11:00 AM-12:00 PM	rd71:hv vp 0	24.0540465073071
RD40	RD71	12:00 PM-1:00 PM	rd71:hv vp 0	8.48800556960048
RD40	RD71	2:00 PM-3:00 PM	rd71:hv vp 0	10.1552127585088
RD40	RD71	9:00 AM-10:00 AM	rd71:hv vp 0	10.4083830868022
RD40	RD74	1:00 PM-2:00 PM	rd74:hv vp 0	3.37370161848998
RD40	RD74	10:00 AM-11:00 AM	rd74:hv vp 0	28.73696701475
RD40	RD74	11:00 AM-12:00 PM	rd74:hv vp 0	35.0551509342558
RD40	RD74	12:00 PM-1:00 PM	rd74:hv vp 0	4.92320682007755
RD40	RD74	2:00 PM-3:00 PM	rd74:hv vp 0	2.37206593918858
RD40	RD74	9:00 AM-10:00 AM	rd74:hv vp 0	11.2418821126027
RD40	RD90	1:00 PM-2:00 PM	rd90:hv vp 0	2.3174668803636
RD40	RD90	11:00 AM-12:00 PM	rd90:hv vp 0	3.82226690127322
RD40	RD90	12:00 PM-1:00 PM	rd90:hv vp 0	5.13437639802247
RD40	RD90	2:00 PM-3:00 PM	rd90:hv vp 0	3.4030248238399

VM Performance Monitor

Live Monitor

How to view the performance metrics in Live Monitor?

How to view the performance metrics in Live Monitor?

Live Monitor allows the administrators to keep a tab on the performance metrics of Hyper-V hosts and their VMs. It enables them to monitor important CPU, Memory, IO and Network resources using charts and tables in their environment.



Click under VM Performance Monitor module. This will show the Live Monitor window as shown below:

V Live Monitor				×
Configured Hosts: Select a Host Host/VMs: Available Counters	Selec	ple Interval: 30	Seconds Counter Variable	
			<u>о</u> к	<u>C</u> ancel

To configure a host for monitoring, click <u>Click here to Add Host...</u> menu.

Select a host from the list of Configured Hosts drop-down. The list of VMs in the selected host will be displayed in the Host/VM drop-down, as shown below:

Configured Hosts: RD40 Sample Interval: 30 Seconds
Host/VMs: ND40 Available Host Coc Host Pavorites List of VMs Available Royring ND40 Pavorites ND40 ND40 Image: Selected Counters Available Host Coc ND40 Pool Royring ND40 ND40 <td< th=""></td<>

- 1. Select a host/VM. This will display the Performance counters for the selected host/VM in the tree view.
- 2. Select the desired counters using the checkboxes.
- 3. Click Add >> to add the selected counters.

onfigured Hosts: RD40	•	9	Sample Inte	erval: 30	Seconds 🗸	
Host/VMs: RD90	•	ſ	Selected C	ounters		
			Host/VI	Counter Name	Counter Variable	Â
Available VM Counter(s)			RD40	Memory	% Committed Bytes In Use	
- Favorites			RD40	Memory	Free System Page Table Er	
Deposited Pages			RD40	Memory	Pool NonPaged Bytes	
Physical Memory			RD40	Memory	Pool Paged Bytes	
Guest Visible Physical Memory	=	<u>A</u> dd >>	RD40	Memory	Pages/sec	
		emove<<	RD40	Hyper-V Hypervi	% Guest Run Time	
Current Pressure		emove<<	RD40	Hyper-V Hypervi	% Hypervisor Run Time	1
Verage Pressure			RD40	Hyper-V Hypervi	% Total Run Time	
- 📝 % Guest Run Time			RD40	Hyper-V Hypervi	% Idle Time	
			RD40	LogicalDisk	% Idle Time	
— 🔲 % Hypervisor Run Time			RD40	LogicalDisk	% Free Space	
🔍 % Total Run Time			RD40	Network Interfac	Current Bandwidth	
Bytes Sent/sec			RD40	LogicalDisk	Avg. Disk sec/Read	
Bytes/sec	-		RD40	LogicalDisk	Avg. Disk sec/Write	

- 4. Set a Sample Interval time to collect and display the selected counters every sample interval.
- 5. Use Remove << button to remove the selected counters.

Click **OK** to proceed.

Once the data collection process is complete, the report would be generated in a report window as shown below:



You can also view the performance of Virtual Machines as shown below:



Additional Features

How to Add host?

How to Customize Fields?

How to Apply Filters?

How to Refresh Data?

How to Export data?

How to E-mail data?

How to Add host?

Click Add Host tab to enter the host details manually.

Add Host	Add Hosts from domain
Host Name:	RD40
🔲 Log on	using current user
User Name:	voyager\adminuser2
Password:	•••••
	he above credentials in Microsoft windows User Name and Passwords applet
	Add Close

- Enter a valid host name.
- Deselect the 'Log on using current user' checkbox, if you like to connect to the host using a different user context.
- Specify an user name and the corresponding password to connect to the specified host.
- Click Add button to configure the specified host

Click Add hosts from domain tab for enumerating hosts in your network automatically.

Vyapin Virtualization Management Suite uses either Computer Browser Service or Active Directory Services to enumerate computers in a network. You may use the Use Computer Browser service option if you have a smaller network, as it may take time for the Browser service to respond to data requests on large networks. The advantage of a Browser service is that it lists only those computers that are currently active/alive on your network. You may use the Active Directory Services option if you have a large network and you need a quicker enumeration of computers in your domain. However, this option requires that the domain controller is contacted and queried by using an user account. Accordingly, the currently logged on user must have sufficient privileges to connect to a domain controller or you may specify an alternate domain user credential for a domain controller. Select an option for enumerating computers in your domain as shown below:

Add Host	Add Hosts from domain				
🔘 Use Cor	mputer Browser Service 🕕				
Ise Active Directory Services Add Domain					
	vomains				
L	Add Close	2			

- Expand the desired domain to enumerate the list of hosts that are available in the domain.
- Click Add Domain to add a new domain to the domain list.
- Click Add button to add the selected host for using it across the product.

How to Customize fields?

Customize Click for customizing the information. 8 Custom View - Summary Customization for: VOYAGER Host Name VM Name ✓ State ✓ Created Date ✓ Notes Heartbeat Number of Processors Guest Operating System DNS Name Status Recorded as on Clear All Select All οк Cancel Select All Click for selecting all the check boxes. Clear All for clearing all the check boxes. Click ОΚ Click button for confirming the changes.

Click	button for canceling the operation.
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How to apply Filters?

Click \bigtriangledown Filter for setting filter options.

The Vyapin Virtualization Management Suite Filter window will be displayed.

7	Filter -	Su	mma	ry					×
Field [Host Name] ↓ Add to Filter	Operator =		Value: RD40	S	'OR	'to F	ilter		~
				ſ)	*	¥	×	
			[ОК			Can	cel

To set a filter condition, follow these steps.

- 1. Click 🔯 (Clear All) button and clear the filter.
- 2. Choose a field name, an operator and a possible value from the respective dropdown options.

3. Click Add to Filter

4. The **Add to Filter** will change to **AND to Filter**. The **OR to Filter** button will be enabled. The selected condition will be set as a filter and displayed (as shown below).

Y	Filter -	Su	mmar	у					×
Field [Host Name]	Operator		Values RD40						<
AND to Filte	r				'OR	'to F	ilter		
				t)	*	¥	⋇	S
[Host Name] = 'RD40'									
					ок			Can	cel

5. Click OK to apply the filter.

Note:

* Use the	AND to Filter		'OR' to Filter	and	to build enhanced filter
Use the		,		anu	

condition as shown below:

- * (Field A = Value 1 AND Field B = Value 2) OR (Field C = Value 3 AND Field D = Value 4)
- * Use ^(K) to remove the parenthesis
- * Use 🔀 to delete a selected condition.

How to Refresh Data?

Refresh the current report data to view the latest information.

2 Refresh

Click button in the toolbar available in the report window to refresh report data. The existing data will be cleared and latest data will be loaded in the report window.

How to Export Data?

The Export feature helps the user to export report data generated by Vyapin Virtualization Management Suite to a file using various formats namely HTML/CSV/XLSX.



Click for exporting the information in the desired format or select Export option to export report data to a file in the desired format.

Export	x
Select the exp exported.	ort path, format and file name for the report to be
Export Path:	C:\Users\Public\Documents\Vyapin Virtualization Ma
File <u>F</u> ormat:	HTML -
File <u>N</u> ame:	Memory-Summary
Export to ti	me-stamped sub-folder

Specify a file name to export report data to or accept the default file name. Specify the export path and select a desired file format. The path refers to the destination location where the output file generated should be stored. It can be given using the Browse button. To avoid overwrite existing files, if any, in the specified export path, By default, the report will be exported to a time-stamped sub-folder, in the format 'YYYY-MM-DD HH.MM.SS', under the specified export path.

In XLSX file format, the information is stored as sheets in Excel file. For each report, a XLSX file will be generated. The name of the XLSX file will be the name of the report and is stored in the specified destination path if "Export to time-stamped folder" option is cleared. The XLSX file will be stored under a sub-folder, of the form YYYY-MM-DD HH.MM.SS, under the specified export path, if "Export to time-stamped folder" option is set.

In CSV file format, the information is stored as comma separated values. For each report, a CSV file will be generated. The name of the CSV file will be the name of the report and is stored in the specified destination path if "Export to time-stamped folder" option is cleared or under a sub-folder, of the form YYYY-MM-DD HH.MM.SS, under the specified export path if "Export to time-stamped folder" option is set.

In HTML file format, the information is stored as a html file. For each report, a HTML file will be generated. The name of the HTML file will be the name of the report and is stored in the specified destination path if "Export to time-stamped folder" option is cleared or under a sub-folder, of the form YYYY-MM-DD HH.MM.SS, under the specified export path if "Export to time-stamped folder" option is set.

How to Email Data?

Vyapin Virtualization Management Suite provides the option to e-mail the reports generated.

Click Email button in the toolbar to e-mail the report to e-mail recipients. E-mail dialog will be displayed as shown below:

😰 E-mail Report	×
Specify SMTP Server name, From Address, To address, Subject, Body of the e-mail message, attachment format and option to attach the report as zip file format.	
SMT Server: RD40	
Erom: admin@voyager.com	
admin1@voyager.com	Seck
Subject: Discovery-Summary	
Attachment Format: HTML Compress the attachment	

For e-mailing reports, Vyapin Virtualization Management Suite requires SMTP Server, From E-mail Address, To E-mail Addresses (recipients separated by semicolon) and the report attachment format.

Specify SMTP server name, from Address, To address, mail subject, mail content, attachment format and option to compress the attachment.



button to send the report by e-mail to the selected recipients.

Check names

Vyapin Virtualization Management Suite provides check name feature to check the existence of

9./

corresponding mail-enabled recipient object in Active Directory. To check name, click ^{Check} button. If the entered name matches with a mail object in the Active directory / its trusted domain, name entered in From address textbox will be replaced by the corresponding active directory recipient object. If there is more than one match, a dialog which contains matching Active Directory recipients will appear as shown below. You can select one or more recipient and click OK.



* To get more information about the listed recipients under Change to, select the name, and then click.

Properties...

🛃 Deco D. Canavaro	D			x
Details				
First Name:	Deco	Initials:	D	
Last Name:	Canavaro			
Display Name:	Deco D. Canavaro			
Title:		Department:		
Company:				
Alias:	deco	Mobile numbe	r:	
E-mail:	deco@pathfinder.local			
Webpage:				
			OK Cancel	

If there is no match for the name entered by the user in Active Directory, a dialog will appear as shown below:

See Check Names	×
Hyper-V Management Suite does not recognize "pk"	
Do you want to: Delete this recipient from the list	ОК
O Change to	Cancel
(No suggestions)	Properties

Select Delete option in the above dialog to remove the recipient name from To address text box. Click Cancel button to close this dialog and the unresolved recipient(s) will appear in red color.

Address Book

Vyapin Virtualization Management Suite provides Address Book feature to search for any mail enabled recipient object (say, person, distribution list, contact, public folder) you want to send a message to. Click

button and then use the **Find Names** dialog box to search for the recipient object you want to send a message to. (Note that you can't use the **Find Names** dialog box to search for distribution lists in your Contacts folder.) Select the object's name in the list and then click **Add recipient to...To**.

Find Names						×
Find Names in:	All Global Address	: List				•
<u>D</u> isplay Name	de					
<u>L</u> ast Name			First <u>n</u> ame			
<u>T</u> itle			<u>A</u> lias			
<u>C</u> ompany			Department			
<u>O</u> ffice			Cjty			
					E	ind
Name		Phone	Alias	Office	Job Title	С
📕 🕹 DE üäÄ		éúĺÜ	DEüäĤÄ DEüäĤÄ deco Design rggggggg Development	ñÁÓi	çîÀĔ«	è
•		III				Þ
Add rea	cipient to	Cc Cc	Bcc	Prope	rties Clo	ose

To get more information about one of the names in the list, such as department or phone number, select the name, and then click. Properties...

References

Troubleshooting

How to uninstall Vyapin Virtualization Management Suite?

Troubleshooting

If and when a problem arises, please forward the following information to support@vyapin.com to revert back to you with a solution. These files will be available where Vyapin Virtualization Management Suite is installed.

Error Log File

E.g., < Application Data Folder>\Vyapin Virtualization Management Suite.Log

Note

<Application Data Folder> is the common area where Vyapin Virtualization Management Suite settings will be stored in the machine running Vyapin Virtualization Management Suite. The <Application Data Folder> can be found from the Help -> About screen. The default path of <Application Data Folder> is as follows:

Windows 7, Windows 8, Windows 8.1, Windows 10, Windows Server 2008, Windows Server 2008 R2 Windows Server 2012, Windows Server 2012 R2 - C:\Users\Public\Documents\Vyapin Virtualization Management Suite

How to uninstall Vyapin Virtualization Management Suite

When you uninstall Vyapin Virtualization Management Suite through Control Panel - Add / Remove Programs applet, Windows Installer program will remove only the application files from your machine. But, the application related files created by Vyapin Virtualization Management Suite remain in the computer. In order to remove Vyapin Virtualization Management Suite worker files completely, the uninstall wizard provides a set of cleanup options to perform the cleanup operation based upon your selection.

Use this wizard to cleanup the files that are created by Vyapin Virtualization Management Suite application selectively and uninstall Vyapin Virtualization Management Suite completely from the machine.

1. Launch the uninstall wizard by clicking Start -> Programs -> Vyapin Virtualization Management Suite -> Uninstall Hyper-V Management Suite.

The Vyapin Virtualization Management Suite Uninstall Wizard dialog will be shown as below:

Vyapin Virtualization Management Suite Uninstall Wizard
Welcome to Vyapin Virtualization Management Suite Uninstall Wizard This wizard helps you to deanup and uninstall Vyapin Virtualization Management Suite completely.
This wizard will guide you through the steps to cleanup the files that are created by Vyapin Virtualization Management Suite application.
Using this wizard you can:
 Cleanup scheduled tasks. Cleanup Vyapin Virtualization Management Suite application settings Cleanup log files Uninstall Vyapin Virtualization Management Suite application
< <u>B</u> ack <u>N</u> ext > <u>F</u> inish <u>Cancel</u>

Click Next to proceed.

2. Select required cleanup options as shown below:

Vyapin Virtualization Management Suite Uninstall Wizard	x
Step 1 of 2: Cleanup Options Cleaning up the information based on your selection	
Uninstall Vyapin Virtualization Management Suite application Remove all application files and uninstall Vyapin Virtualization Mana Uninstall Vyapin Virtualization Management Suite application	agement Suite application from the machin
Remove all application files and uninstall Vyapin Virtualization Mana machine. Also cleanup all scheduled tasks, log file, exported files a	gement Suite application from the
Delete entire Vyapin Virtualization Management Suite database	e
< <u>B</u> ack Nex	t > Einish Cancel

Click Next to proceed.

3. Confirm the cleanup and/or uninstall process.

Vyapin Virtualization Management Suite Uninstall Wizard	×
Step 2 of 2: Cleanup Process Cleaning up the information based on your selection	5 5 5 5 5
Click 'Finish' button to proceed with the deanup process or click 'Cancel' button to terminate the uninstall wi	
< <u>Back</u> <u>N</u> ext > <u>Finish</u>	<u>C</u> ancel

Click **Finish** to run cleanup and/or uninstall process. Click **Cancel** to close the wizard.

4. Once the file cleanup process is complete, the uninstall wizard will automatically run Windows Installer program to remove **Vyapin Virtualization Management Suite** application from the machine.