Veritas CloudPoint[™] Quick Start Guide for Microsoft Azure

What is CloudPoint?

CloudPoint is a lightweight, snapshot-based data protection solution for public clouds and modern data centers. With Release 2.0, CloudPoint introduces important new data protection and orchestration capabilities needed by customers in the cloud and aligns closely with Veritas' multi-cloud data management strategy.

Veritas CloudPoint is purposely built for the data center and multi-cloud. It delivers:

- Native, multi-cloud data protection
- Streamline and automate snapshots
- Application consistent snapshots
- Faster recovery with finer controls
- Modular architecture for rapid workload integration

KEY FEATURES

- Snapshot-based data protection
- Automated scheduling and creation
- Multi-cloud visibility and orchestration
- Auto-deletion of expired snapshots
- Fast RPO and RTO
- Deep integration with storage arrays, and public and private cloud platforms
- Modular architecture for rapid workload proliferation
- Intuitive interface and reporting
- RESTful APIs for storage management and administration

Prepare for installation

1 Meet system rec	quirements	2	Create a volume and file system for CloudPoint data	3 Gather Micros	oft Azure configuration information	
Operating system	Ubuntu 16.04 LTS				re the Azure plug-in, complete the	
Virtual machine	D2S_V3 Standard	1	Create a new disk and attach it to the virtual	following preparato	ry steps:	
Virtual CPUs	2		machine.		crosoft Azure Portal to create an Azure ctory (AAD) application for the Azure plug-	
RAM	8 GB		https://docs.microsoft.com/en-us/azure/virtual-	in.	cory (AAD) application for the Azure plug	
Root disk	30 GB solid-state drive (SSD)		machines/linux/attach-disk-portal	 Assign the 	service principal to a role to access	
Data volume	Data volume: 50 GB Premium	2	Choose the managed disk option.	resources.		
	SSD for the snapshot asset database; storage account type	https://docs.microsoft.com/en-us/azure/virtual-	For more details, follow the steps in the following Azure documentation:			
Premium_LRS; set Host Caching to Read/Write.			machines/linux/attach-disk-portal#use-azure- managed-disks		.com/en-us/azure/azure-resource- oup-create-service-principal-portal	
		3	3 Initialize the disk and mount it to /cloudpoint . For details, see the section "Connect to the Linux VM to mount the new disk" in the following link:	Before you install CloudPoint, have the following information ready:		
				CloudPoint term	Microsoft term/description	
			https://docs.microsoft.com/en-us/azure/virtual- machines/linux/add-disk	Tenant ID	The ID of the AAD directory in which you created the application.	
				Client ID	The application ID.	
				Secret ID	The secret key of the application.	

Install CloudPoint

		-
1 Deploy CloudPoint	2 Configure CloudPoint	3 Configure the Microsoft Azure plug-in
1 Create the instance or prepare the physical host to install CloudPoint.	1 Open your browser and point it to the host on which CloudPoint is installed.	1 On the coffee screen, click Manage clouds and arrays.
Choose an Ubuntu 16.04 Server LTS instance image that meets CloudPoint installation requirements.	https://ubuntu_docker_host_name The configuration screen is displayed and the host name is added to the list of hosts on which to	 2 On the Clouds and Arrays page, click on the Microsoft Azure row. 3 On the Details page, click Add configuration.
Add sufficient storage to the instance to meet the installation requirements.	configure CloudPoint.	4 On the Add a New Configuration for Microsoft Azure page, enter the Tenant ID, Client ID, and
2 Install Docker for Ubuntu.	Welcome to CloudPoint Initial Configuration	Secret Key.
# sudo apt-get install docker –ce	Admin Account Setup	Add a New Configuration for Microsoft Azure
https://docs.docker.com/install/linux/docker-ce/ubuntu/	Username * @veritas.com	Tenant ID Client ID
3 Download the CloudPoint image from <u>MyVeritas</u> .	Password * Confirm Password *	Central
4 Load the image.		Secret Key
# auda daakar laad		

sudo docker load –l /install_directory/cloudpoint_image

- 5 On the instance, open the following ports:
 - 443 CloudPoint user interface uses this port as the default HTTPS port.
 - **5671** The RabbitMQ server uses this port for communications. This port must be open to support multiple agents.
- 6 Run the CloudPoint container.

sudo docker run -it --rm -v
/volume_name:/path_to_volume -v
/var/run/docker.sock:/var/run/docker.sock
veritas/cloudpoint_image install
--restart always

		Host information Hosts * Hostnames			
s port as		ec2-13-56-228-125.us-west-1.compute.amazonaws.com		Cancel Save	
rt for e open to		 Verifies. I agree to the terms and conditions of the EULA. Configure 	5	Click Save .	
	2	Enter a valid email address for the admin user name and enter a password. Click Configure .			
	3	On the sign in screen, enter your admin user name and password.			

Protect an asset

1 Create a protection policy

- 1 On the CloudPoint dashboard, in the **Administration** area, find **Policies**, and click **Manage**.
- $2 \quad \text{On the Policies page, click New Policy.}$
- 3 Complete the **New Policy** page.

New Policy	
Policy Information	Retention *
Policy Name *	😑 🛈 🕀 Copies Days Weeks Months Years
Description	Scheduling *
Storage Level * Piesse select a storage level	600 desectors left Hourty Daily Weekly Monthly
Application Constitution Enable Replication	
Cancel	
Enter the followin Policy Information Policy Name	-
Description	Summarize what the snapshot does. (Optional)
Storage Leve	Select disk, host, or application. (An application snapshot requires the CloudPoint Enterprise license.)
Application C	Consistent Whether you take an application consistent snapshot or a crash-consistent snapshot. An application-consistent snapshot is recommended for taking snapshots of databas applications. (An application consistent snapshot requires the CloudPoint Enterprise license.)
Enable replic	ation
	Select this check box if you want to copy snapshots to another physical location for added protection.
Retention	Specify the number of snapshot versions to keep for each asse associated with this policy.
Scheduling	Select how often a snapshot is taken: hourly, daily, weekly, or monthly. Depending on your choice, also specify the time (by clicking the clock icon), the date, or the day of the week.

The following example creates a weekly disk level snapshot policy.

Policy Information Policy Name* weekly_disk_snapshot Description	Retention *	Copies	Days	Weeks	Months	Year
Takes a disk-level snapshot each week. Storage Level * disk.	Scheduling * Hourly Run at 12:00 AM ② on	Daily		Weekly		Monthly
Application Consistent Totable Replication	8 M	1	w	Ţ	(*)	\$
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2 Assign an asset to a policy

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3

1 On the CloudPoint dashboard, in the **Environment** area, find the asset type you want to protect, and click **Manage**. This example protects an application.

On the Asset Management page, select the asset you want to protect.

On the **Details** page, click **Policies**.

		Details		
	T Show: Disk	· · · · · · · · · · · · · · · · · · ·		
Azure uns ce-waxesimistiqi promosi shapalara_as_ to toovazo disk microsoft		Azure Disk CP-Mukesh- rsrcgrp/Mukeshora_OsDis 49be3cf44769945b36317		
Azure Disk CP-Mukesh-rsrcgrp/Mukeshora_OsDisk_1_858c249be3cf44769945b363176c0 disk i microsoft	Vendor microsoft			
Azure Disk CP-Mukesh-rsrogrp/snap-jan24thhostonly_os_1516812428 disk i microsoft		Region centralindia Snapshotable		
Azure Disk CP Pari/AddDisk disk i microsoft		Yes ID acure-vhd-a332d74922d848f69027ff04	b314e840.cp-	
Azure Disk Cp-Pari/DiskLSnapOfAzureToNewLocation_os_1516751220 disk i microsoft		mukesh- rsrogrp:mukeshora_osdisk_1_858c249b 637bc249b	w3cf44769945b3	
Azure Disk Cp-Pari/DiskLSnapOfAzureToNewLocation_os_1516753511 dsk (microsoft		Policies (0)		
Azure Disk Cp-Pari/FSHostSnap-7_os_1516842617 dsk i microsoft		View Snapshots		
Azure Disk Cp-Pari/Pari-win-Host-snap_disk_01517016842 disk i microsoft		Create Snapshot		
wing 150 results of 436		Policies		

4 On the **Policies for** asset name screen assign one or more policies to the asset. In the **Available Policies** column, click the policy you want to assign. Repeat this step for as many policies as you want to add.

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	Applied Policies	
τ	Filter	۲
Assign Selected	1	
Assign All		
Remove All		
Remove Selecte	d	
Remove Selecte	d	
		Cancel
	Assign Selecter Assign All Remove All	Applied Policies Filter Assign Selected Assign All

5 When you are done assigning policies, click **Save**.



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