# Veritas CloudPoint<sup>™</sup> Quick Start Guide for Amazon Web Services (AWS)

## What is CloudPoint?

CloudPoint is a consistent 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**

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- Snapshot-based data protection
- Automated scheduling and creation
- Multi-cloud visibility and orchestration
- Auto-deletion of expired snapshots
- Fast RPO and RTO
- Application consistent snapshots
- Indexed snapshots for easy search and fast recovery
- Deep integration with storage arrays, and public and private cloud platforms
- Support for AWS, Microsoft Azure, and Google Cloud
- Modular architecture for rapid workload proliferation
- Intuitive interface and reporting
- RESTful APIs for storage management and administration

### **Prepare for installation**

1 Meet system requirements		2	Create a volume and file system for CloudPoint data	<b>3</b> Verify AWS permissions and get keys		
Operating system Virtual machine	Ubuntu 16.04 LTS Elastic Compute Cloud (EC2) instance type: t2.large	1	On the EC2 dashboard, click <b>Volumes &gt; Create</b> <b>Volumes</b> .		Services (AWS) plug-in lets you take ad delete snapshots of the following con cloud:	
Virtual CPUs RAM: Root disk	2 8 GB 30 GB with a solid-state drive (GP2)	2	<ul> <li>Follow the instructions on the screen and specify the following:</li> <li>Volume type: General Purpose SSD</li> <li>Size: 50 GB</li> </ul>		mpute Cloud (EC2) instances ock Store (EBS) volumes nces	
Data volume       50 GB Elastic Block Store (EBS) volume of type GP2 with encryption for the snapshot asset database; use this as a starting value and expand your storage as needed.		Use the following instructions to create a file system and mount the device to /cloudpoint on the instance host. http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs- using-volumes.html	<ul> <li>Aurora clusters</li> <li>NOTE: To use this plug-in, you must have</li> <li>AmazonEC2FullAccess and AmazonRDSFullAcces</li> <li>privileges.</li> <li>Before you install CloudPoint, have the following information ready:</li> </ul>			
				Access key	The access key ID, when specified with the secret access key, authorize CloudPoint to interact with the AWS APIs.	
				Secret key	The secret key.	
				Regions	One or more AWS regions in which to discover cloud assets.	

### Install CloudPoint

1 Deploy CloudPoint	2 Configure CloudPoint	<b>3</b> Configure the AWS 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 <b>Manage clouds and</b> arrays.				
Choose an Ubuntu 16.04 Server LTS instance image that meets CloudPoint installation requirements.	https://ubuntu_docker_host_name	2 On the <b>Clouds and Arrays</b> page, click on the Amazon AWS row.				
	The configuration screen is displayed and the host name is added to the list of hosts on which to	3 On the Details page, click <b>Add configuration</b> .				
Add sufficient storage to the instance to meet the installation requirements.	configure CloudPoint.	4 On the Add a New Configuration for Amazon AWS page, enter the Access Key, Secret Key, and				
2 Install Docker for Ubuntu.	Welcome to OlevelDeirt Initial Conferencian	one or more <b>Regions</b> .				
# sudo apt-get install docker –ce	Welcome to CloudPoint Initial Configuration	Add a New Configuration for Amazon AWS				

https://docs.docker.com/install/linux/docker-ce/ubuntu/

- 3 Download the CloudPoint image from MyVeritas.
- 4 Load the image.

# 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 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

	Admin Account Setup			Add a New Configuration for Amazon A	AWS	
	Username *			Access Key	Regions	
	@veritas.com			Secret Key	us-east-1	
	Password *	Confirm Password *		·····	us-east-2	
		• • • • • • • • • • • • • • • • • • •	۲		us-west-1	
					us-west-2	
	Host information Hosts *				ap-south-1	
	Hostnames	0			ap-northeast-1	
	ec2-13-56-228-125.us-west-1.compute.a	mazonaws.com				Cancel
		tomatically sending your usage information to				Cancer
	<ul> <li>Veritas.</li> <li>I agree to the terms and condition:</li> </ul>	s of the EULA.	5	Click Save.		
		Confi	gure			
2	Enter a valid email ar	ddress for the admin us	ar name			
_	and enter a password					
3	On the sign in screen and password.	, enter your admin user	name			

Save

#### **Protect an asset**

# 1 Create a protection policy

- 1 On the CloudPoint dashboard, in the **Administration** area, find **Policies**, and click **Manage**.
- 2 On the Policies page, click **New Policy**.
- 3 Complete the **New Policy** page.

New Policy	
Policy Information Policy Name *	Retention *
Description	Scheduling *
500 characters left Storage Level * Picesen select a storage level	Hourly Daily Weekly Monthly
Applination Consistent Enable Replication	
Save	
Enter the following:	
Policy Information	
Policy Name Er	nter lower case letters, numbers, and hyphens. The na

1 0110 1 1110		
Policy Nam	he Enter lower case letters, numbers, and hyphens. The name should begin and end with a letter.	
Descriptior	Summarize what the snapshot does. (Optional)	
Storage Le	evel Select disk, host, or application. (An application snapshot requires the CloudPoint Enterprise license.)	
Application	Consistent Whether you take an application consistent snapshot or a crash-consistent snapshot. An application-consistent snapshot is recommended for taking snapshots of database applications. (An application consistent snapshot requires the CloudPoint Enterprise license.)	
Enable rep	lication 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 asset associated with this policy.	5
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 e	xample creates a weekly disk level snapshot policy.	
Maria Ballan		1

Policy Information Policy Name * weekly, disk_snapshot	⊖ 4 ⊕ 📒	Copies D	ays	Weeks	Months	Year
Description Takes a disk-level snapshot each week,	Scheduling *					
402 characters with Storage Level * disk V	Hourly	Daily		Weekly		Monthly
Application Consistent Consistent Consistent	Run at 12:00 AM ② on_ S	(Ť	w	Ţ.	F	s
Click Save.						

## **2** Assign an asset to a policy

1

2

3

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**.

Asset Management		
	T Show: Disk	U Details
EBS Volume vok 0050efc-40287/0699 disk i smazon		EBS Volume vol-0050efc40287f0699 Vendor amazon Region
EBS Volume vol-007318ec02456a64e disk i amazon EBS Volume vol-00762c9ef19049d8a		us-west-1 Snapshotable Yes ID
disk i amazon EBS Volume vol-00e5b57736f9de382. disk i amazon	U aws-ebs-us-west-1-vol-0050efc40287f0699 Policies (0)	
EBS Volume vol-00e9f8ab2f63a9981 disk i amazon		
EBS Volume vol-0111ce39a58f88cf4 dski amazon		
EBS Volume vol-011de451bc9c77dae disk i amazon		View Snapshots
EBS Volume vol-0122dacf5f41a2385		Create Snapshot
Newing 50 results of 77		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.

Policies for EBS Volume vol-0050efc40287f0699			,
Available Policies		Applied Policies	
Filter		Filter	Ŧ
weekly_disk_snapshot Protection Level disk	Assign Selected		
Protection (Evel. dax	Assign All		
	Remove All		
	Remove Selected		
			Cancel Save

When you are done assigning policies, click Save.

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