

VERITAS™



Veritas CloudPoint

Snapshot based data protection

Introducing: Veritas™ CloudPoint

Snapshot-based Data Protection in Cloud or Data Center

Key Challenges:



Workload Protection	Storage Management	Multi-Cloud Support	API Integration
<ul style="list-style-type: none">• Pluggable design for workload discovery and protection• Agents developed quickly; no new release required	<ul style="list-style-type: none">• Utilize snapshot capabilities on arrays, SDS, cloud• Snap, index, replicate, recover via third party storage	<ul style="list-style-type: none">• Deep integration with public and private cloud platforms• Cloud-to-cloud; i.e. backup in AWS and restore in Azure	<ul style="list-style-type: none">• Use standalone or as extension to other Veritas products• REST APIs for storage and administration

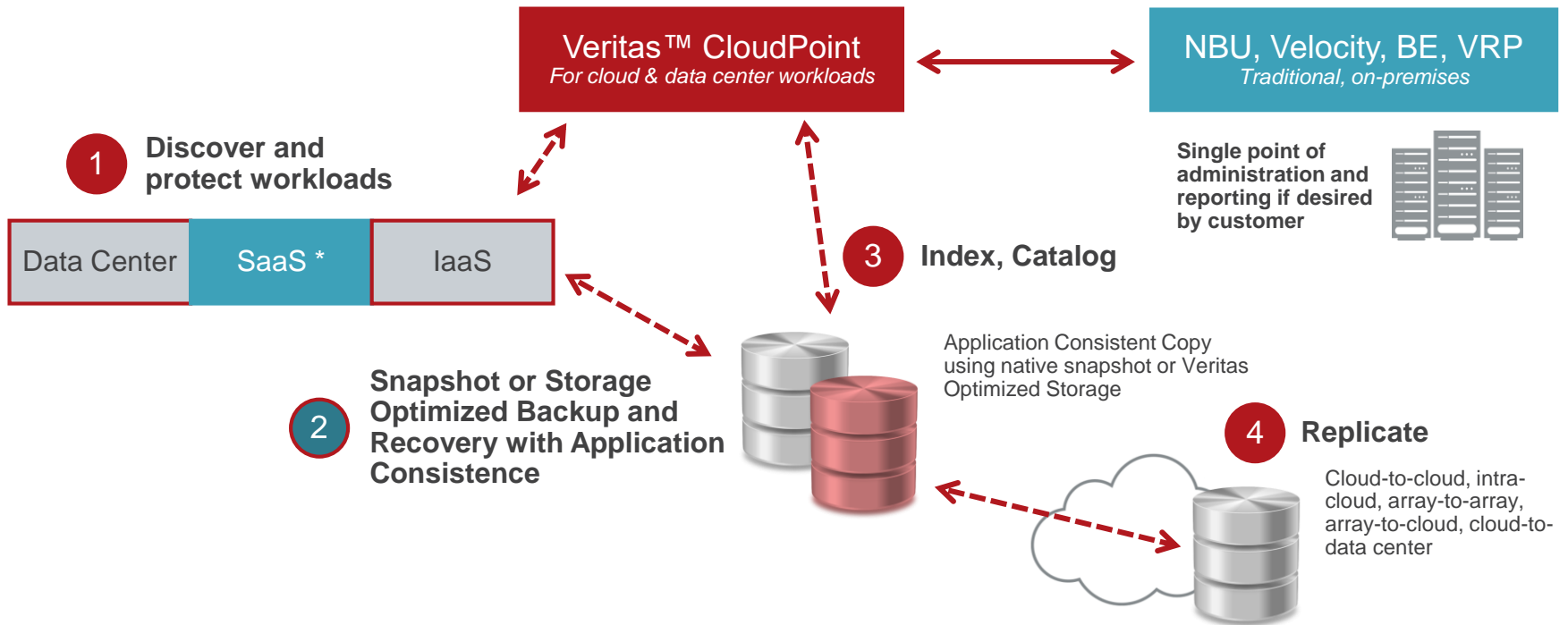
CloudPoint

A lightweight service for seamless snapshot based protection to apps

- Built ground up for Cloud with API driven architecture and containerized services
- Leverages native snapshot APIs
- Light footprint on the target host for app quiescence
- Workload abstraction to plug-in support for new apps quickly
- Delivered as Container and/or AWS AMI

Overview: Veritas™ CloudPoint

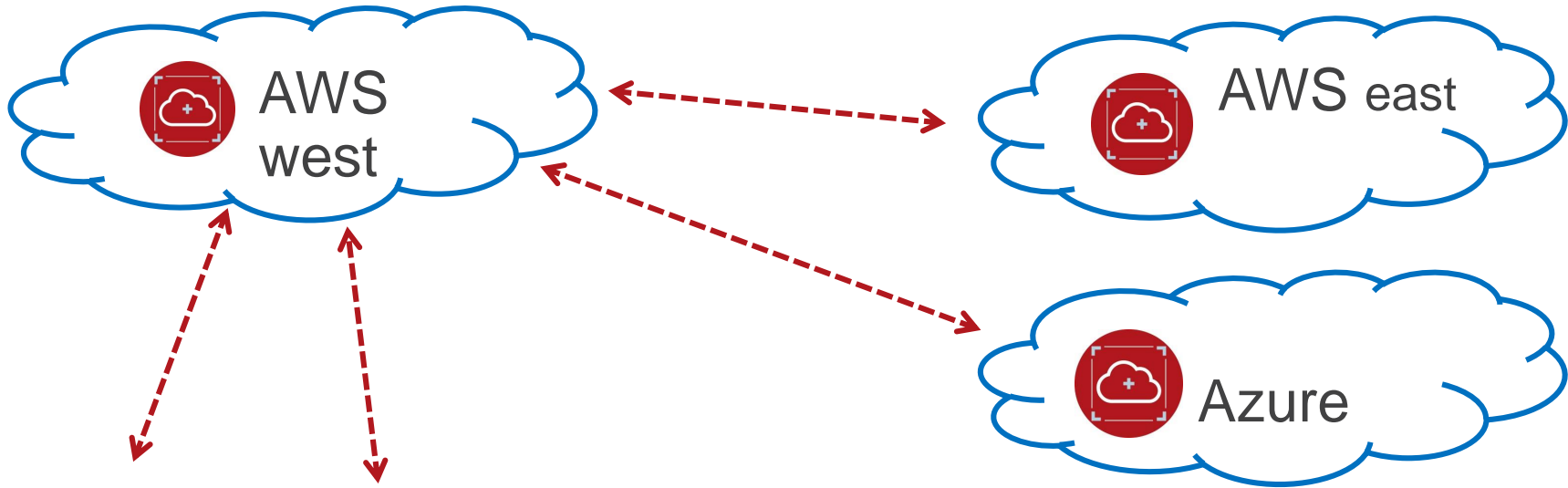
Cloud & Data Center Snapshot Based Data Protection



Coming Soon

Simplicity

A single pane of glass for snapshot management



**HDS
G1000**



HP 3PAR

- Snapshot management across clouds and on-prem storage arrays
- Snapshot data stays within target
- Replication available
 - Within arrays
 - Within cloud region
 - Multi-Cloud

CloudPoint 1.0

	Snap Free	Snap Support
AWS	Instance, Disk	Instance, Disk
Azure	Instance, Disk	Instance, Disk
Google Cloud	Instance, Disk	Instance, Disk
Workloads (Application Consistent)	Oracle 12c	Oracle 12c
HDS G-Series	FS (ext, xfs), Volume	FS (ext, xfs), Volume
HP 3PAR	FS (ext, xfs), Volume	FS (ext, xfs), Volume
Support	NO. Vox Community	YES. Veritas Essential
Price (\$/FETB)	Free	600

CloudPoint Releases

(Subject to change)

CloudPoint 1.0

Cloud: AWS, Google, Azure
Array: HP, HDS
Workload: Oracle

Q3 CY17

Q4 CY17

CloudPoint 2.0

Cloud: IBM
Array: Nutanix, NetApp
Workload: SQLServer, MongoDB,
MySQL
Granular Recovery for SQL and
Oracle
In-Cloud Replication

CloudPoint 2.0

Cloud: Oracle
Array: EMC, Pure, +
Workload: NoSQL DB Focus
Multi-Cloud Replication
Storage Optimization (Dedupe)
Scale-Out

Q1 CY18

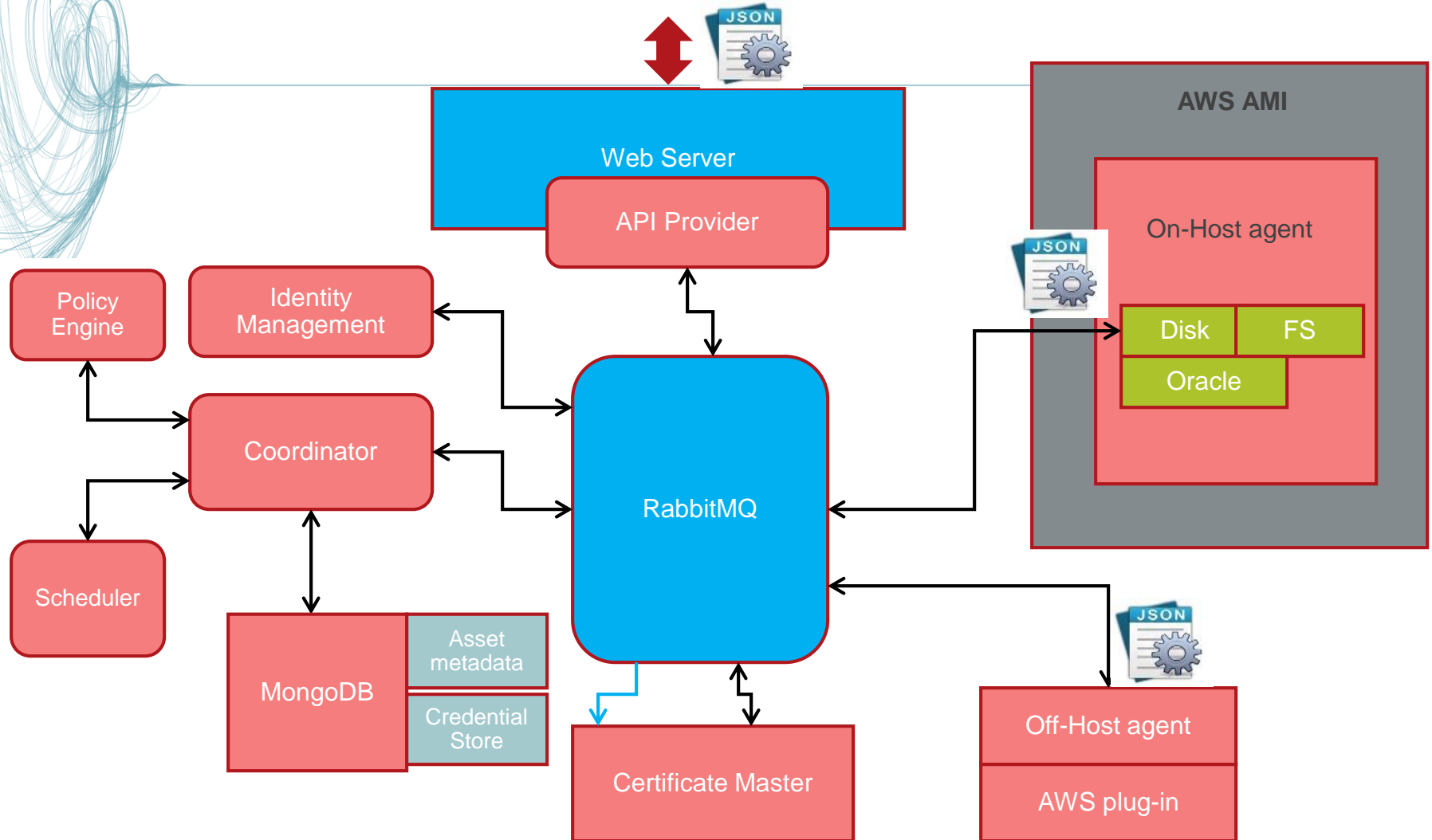
Try CloudPoint for free

How?

See us at the Veritas table for instructions

Demo

CloudPoint architecture (AWS)



Get visibility to all your Cloud Applications



Veritas™ CloudPoint 1.0



« Applications

- Applications
- Hosts
- Disks
- Policies
- Agents
- Plugins

Total: 5

Description	Hosts	Vendor	
MariaDB on flexsnap-test4	flexsnap-test4	mariadb	⋮
MariaDB on ip-172-31-23-26.us-west-2.compute.internal	ip-172-31-23-26.us-west-2.compute.internal	mariadb	⋮
MariaDB on ip-172-31-28-253.us-west-2.compute.internal	ip-172-31-28-253.us-west-2.compute.internal	mariadb	⋮
MySQL on flexsnap-test3	flexsnap-test3	oracle	⋮
MySQL on flexsnap-test5.c.cloudpoint-project.internal	flexsnap-test5.c.cloudpoint-project.internal	oracle	⋮

Create an application consistent snapshot



Veritas™ CloudPoint 1.0



« Applications



Applications



Hosts



Disks



Policies



Agents



Plugins

Total: 5

Search



Description	Hosts	Vendor	
MariaDB on flexsnap-test4	flexsnap-test4	mariadb	⋮
MariaDB on ip-172-31-23-26.us-west-2.compute.internal	ip-172-31-23-26.us-west-2.compute.internal	mariadb	⋮
MariaDB on ip-172-31-28-253.us-west-2.compute.internal	ip-172-31-28-253.us-west-2.compute.internal	mariadb	⋮
MySQL on flexsnap-test3	flexsnap-test3	oracle	⋮
MySQL on flexsnap-test5.c.cloudpoint-project.internal	flexsnap-test5.c.cloudpoint-project.internal	oracle	⋮

Create Snapshot

Create snapshot of application, file system, host or disk

Create Snapshot ? X

Snapshot Name

Description(optional)

Protection Level Disk Host

Type

Application Consistent Snapshot

Restore your application from the snapshot



- Applications
- Hosts
- Volumes
- Policies
- Agents
- Plugins

Application Details

ID: mysql-8bd7ef85-8591-416f-9e87-178cd089cb81 Vendor: mariadb
Plugin: mysql Region:

Total: 2

Name	Snapshot Type	Vendor	Volume Id
mysql-hostsnap1	clone		
mysql1-disksnap1	clone		

- Restore
- Delete

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