



Cloud Storage Automation

Cloud Manager 3.5

NetApp

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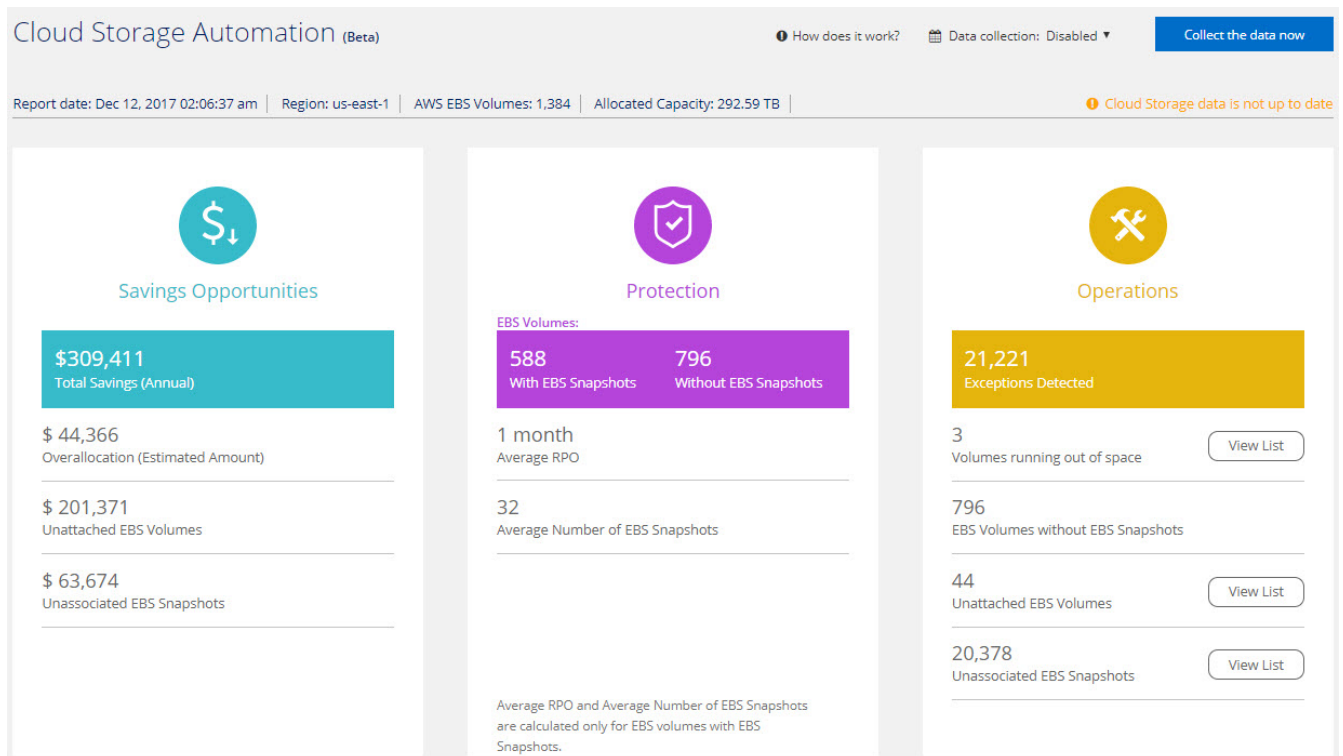
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1. Cloud Storage Automation

The Cloud Storage Automation Report analyzes your cloud storage to show you savings opportunities, data protection enhancements, and operations that can optimize the storage associated with your AWS account. This is a beta feature.

1.1. Sample report

The following image shows a sample report:



In some cases, the report enables you to take immediate action. For example, when you view the list of unattached EBS volumes or unassociated EBS snapshots, you can delete them right from Cloud Manager:

Unattached EBS Volumes

Delete all selected

44 EBS Volumes
4 selected

	EBS Volume ID	Type	Allocated Capacity	Tags	Creation Time	Deleting Status
<input checked="" type="checkbox"/>	vol-0f569b8cbb8f3728c	gp2	16 TB	None	Nov 20, 2017 07:30:27 pm	
<input checked="" type="checkbox"/>	vol-044641bbcfa5c0595	gp2	9.77 TB	None	Oct 27, 2017 09:16:26 am	
<input checked="" type="checkbox"/>	vol-0ba66d87777af9a39	gp2	9.77 TB	8 Tags ⓘ	Oct 28, 2017 04:12:54 pm	
<input checked="" type="checkbox"/>	vol-0d4b3a3a4b77e91a8	gp2	9.77 TB	None	Nov 6, 2017 06:34:48 pm	
<input type="checkbox"/>	vol-00acfb6e082030125	gp2	7.81 TB	None	Dec 1, 2017 02:36:25 am	
<input type="checkbox"/>	vol-0276f5ac5a477e67	gp2	7.81 TB	None	Oct 11, 2017 07:25:22 pm	
<input type="checkbox"/>	vol-0343fd60e5e62b29c	gp2	7.81 TB	None	Jul 21, 2017 07:32:42 pm	
<input type="checkbox"/>	vol-03f34df0e7c5c125e	gp2	7.81 TB	4 Tags ⓘ	Aug 24, 2017 04:22:02 pm	
<input type="checkbox"/>	vol-0476b62ea98a6743b	gp2	7.81 TB	None	Oct 10, 2017 05:54:46 pm	
<input type="checkbox"/>	vol-06d0f6c2164f21090	gp2	7.81 TB	None	Nov 16, 2017 06:56:51 pm	
<input type="checkbox"/>	vol-086e06fb6540c3386	gp2	7.81 TB	None	Oct 11, 2017 07:28:24 pm	

1.2. What happens when you enable the report

Cloud Manager collects information about the EC2 instances, EBS volumes, and EBS snapshots associated with your AWS account, in the region where Cloud Manager resides. AWS resources used for Cloud Volumes ONTAP are excluded. There is no performance impact on AWS resources.

When Cloud Manager collects the information, it identifies improvement opportunities by using EBS snapshots to calculate used capacity and daily usage growth predictions.

The report runs once a week, but you can initiate an immediate data collection at any time.

1.3. Required permissions

The AWS permissions required for Cloud Storage Automation are included in the Cloud Manager IAM policy. If you set up permissions correctly, then there is nothing further to do. See [Granting AWS permissions](#) for details.