



Technical Report

Cloud Storage Automation

Cloud Manager 3.5

Ben Cammett
11/01/2018

Table of Contents

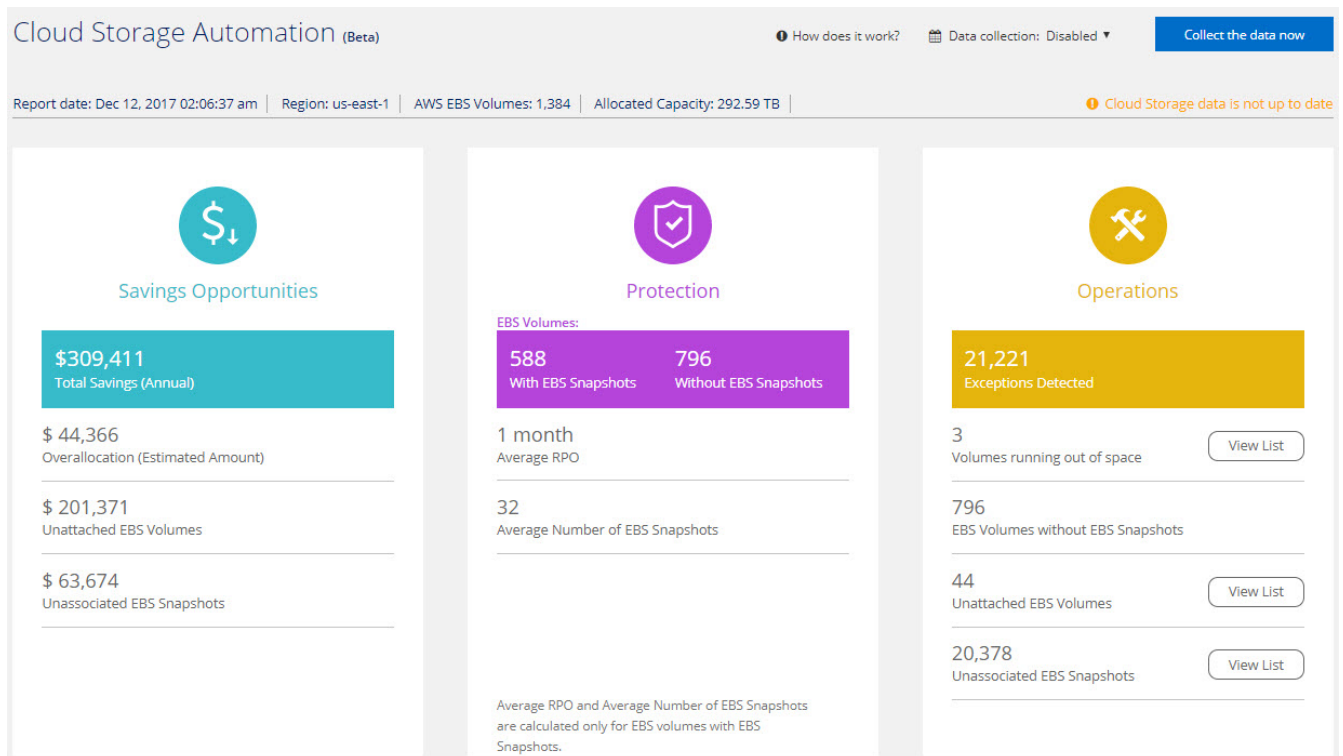
Cloud Storage Automation	1
Sample report	1
What happens when you enable the report	2
Required permissions	2

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.

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-0276f5ac55a477e67	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	

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.

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.

Copyright Information

Copyright © 2019–2020 NetApp, Inc. All rights reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means-graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system-without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP “AS IS” AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

RESTRICTED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.277-7103 (October 1988) and FAR 52-227-19 (June 1987).

Trademark Information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.