



Getting started with Cloud Volumes ONTAP for Google Cloud

Cloud Manager

Ben Cammett, Tom Onacki
February 09, 2021

This PDF was generated from https://docs.netapp.com/us-en/occm/task_getting_started_gcp.html on February 28, 2021. Always check docs.netapp.com for the latest.

Table of Contents

Getting started with Cloud Volumes ONTAP for Google Cloud 1

Getting started with Cloud Volumes ONTAP for Google Cloud

Get started with Cloud Volumes ONTAP for GCP in a few steps.



Create a Connector

If you don't have a [Connector](#) yet, an Account Admin needs to create one. [Learn how to create a Connector in GCP.](#)

When you create your first Cloud Volumes ONTAP working environment, Cloud Manager prompts you to deploy a Connector if you don't have one yet.



Plan your configuration

Cloud Manager offers preconfigured packages that match your workload requirements, or you can create your own configuration. If you choose your own configuration, you should understand the options available to you.

[Learn more about planning your configuration.](#)



Set up your networking

- a. Ensure that your VPC and subnets will support connectivity between the Connector and Cloud Volumes ONTAP.
- b. If you plan to enable data tiering, [configure the Cloud Volumes ONTAP subnet for Private Google Access.](#)
- c. If you're deploying an HA pair, ensure that you have four VPCs, each with their own subnet.
- d. If you're using a shared VPC, provide the *Compute Network User* role to the Connector service account.
- e. Enable outbound internet access from the target VPC so the Connector and Cloud Volumes ONTAP can contact several endpoints.

This step is important because the Connector can't manage Cloud Volumes ONTAP without outbound internet access. If you need to limit outbound connectivity, refer to the list of endpoints for [the Connector and Cloud Volumes ONTAP.](#)

[Learn more about networking requirements.](#)



Set up a service account

Cloud Volumes ONTAP requires a Google Cloud service account for two purposes. The first is when you enable [data tiering](#) to tier cold data to low-cost object storage in Google Cloud. The second is when you enable the [Cloud Backup Service](#) to back up volumes to low-cost object storage.

You can set up one service account and use it for both purposes. The service account must have the **Storage Admin** role.

[Read step-by-step instructions.](#)



Enable Google Cloud APIs

Enable the following [Google Cloud APIs](#) in your project. These APIs are required to deploy the Connector and Cloud Volumes ONTAP.

- Cloud Deployment Manager V2 API
- Cloud Logging API
- Cloud Resource Manager API
- Compute Engine API
- Identity and Access Management (IAM) API



Launch Cloud Volumes ONTAP using Cloud Manager

Click **Add Working Environment**, select the type of system that you would like to deploy, and complete the steps in the wizard. [Read step-by-step instructions.](#)

Related links

- [Evaluating](#)
- [Creating a Connector from Cloud Manager](#)
- [Installing the Connector software on a Linux host](#)
- [What Cloud Manager does with GCP permissions](#)

Copyright Information

Copyright © 2021 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.