



# Providing Azure permissions to an existing Cloud Manager virtual machine using a Managed Service Identity

Cloud Manager 3.5

Ben Cammett  
11/01/2018

This PDF was generated from [https://docs.netapp.com/us-en/occm35/task\\_enabling\\_msi.html](https://docs.netapp.com/us-en/occm35/task_enabling_msi.html) on 04/20/2020.  
Always check docs.netapp.com for the latest.

# Table of Contents

Providing Azure permissions to an existing Cloud Manager virtual machine using a Managed  
Service Identity ..... 1

# Providing Azure permissions to an existing Cloud Manager virtual machine using a Managed Service Identity

You can provide Azure permissions to Cloud Manager by using a Managed Service Identity. A Managed Service Identity allows the Cloud Manager virtual machine to identify itself to Azure Active Directory without providing any credentials.



Managed Service Identities are not supported in the Azure US Gov regions and in the Germany regions. You must [grant Azure permissions to Cloud Manager using a service principal and credentials](#).

## About this task

If you currently provide Cloud Manager with Azure permissions through a service principal, you can change to using a Managed Service Identity instead. This method is simpler than manually setting up an Azure service principal and providing the credentials to Cloud Manager.

For more information about Managed Service Identities, refer to [Azure documentation](#).

## Steps

1. Log in to the Azure portal using an account that is associated with the Cloud Manager virtual machine.
2. Enable a Managed Service Identity on the virtual machine:
  - a. Navigate to the virtual machine.
  - b. Under Settings, select **Configuration**.
  - c. Click **Yes** next to Managed Service Identity and then click **Save**.
3. Provide permissions to the Cloud Manager virtual machine for one or more subscriptions:
  - a. Open the **Subscriptions** service and then select the subscription in which you want to deploy Cloud Volumes ONTAP systems.
  - b. Click **Access control (IAM)**.
  - c. Click **Add** and then add the permissions:
    - Select the **OnCommand Cloud Manager Operator** role.



OnCommand Cloud Manager Operator is the default name provided in the [Cloud Manager policy](#). If you chose a different name for the role, then select that name instead.

If you have not yet created this role, follow [these instructions](#).

- Assign access to a **Virtual Machine**.
- Select the subscription in which the Cloud Manager virtual machine was created.
- Select the Cloud Manager virtual machine.
- Click **Save**.

d. If you want to deploy Cloud Volumes ONTAP from additional subscriptions, click **Subscriptions** again, select a subscription, and then repeat the steps for that subscription.

#### Result

Cloud Manager now has permissions that are controlled by a Managed Service Identity. If you repeated the steps for several subscriptions, then you can choose a different subscription when creating a new working environment.

### Details & Credentials

This working environment will be created in Azure Subscription: **OCCM Dev**



#### Details

Working Environment Name (Cluster Name)

Up to 40 characters

#### Credentials

User Name

admin

## 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.