



Quick start for Project Astra

Project Astra

Ben Cammett, Erika Barcott
September 28, 2020

This PDF was generated from <https://docs.netapp.com/us-en/project-astra/get-started/quick-start.html> on September 29, 2020. Always check docs.netapp.com for the latest.



Table of Contents

Quick start for Project Astra..... 1

Quick start for Project Astra

Get started with the Project Astra beta program in a few steps.



Review Kubernetes cluster requirements

- Project Astra supports Kubernetes clusters that are managed by Google Kubernetes Engine (GKE).
- Clusters must be running a healthy state, with at least one online worker node, and in a [Google Cloud region that supports Cloud Volumes Service](#).
- A cluster must be running Kubernetes version 1.17 or later.
- The image type for each worker node must be Ubuntu.

[Learn more.](#)



Set up Google Cloud

1. Set up a Google Cloud account and project.
2. Create a service account that has the required permissions:
 - Kubernetes Engine Admin
 - Cloud Volumes Admin
 - Storage Admin
 - Service Usage Viewer
 - Compute Network Viewer
3. Create a service account key.
4. [Enable the required APIs.](#)
5. [Enable networking for Cloud Volumes Service for Google Cloud.](#)

[Learn more.](#)



Sign up to NetApp Cloud Central

Sign up to [NetApp Cloud Central](#) so you can access Project Astra and NetApp's other cloud services.
[Learn more.](#)



Accept your Beta invitation

After you've been accepted into the Project Astra Beta program, you'll receive an invitation to join a

Project Astra account. Accept this invitation to join the account and log in to the Project Astra interface. [Learn more.](#)



Add your first cluster

After you log in, click **Add a Kubernetes Cluster** to start managing your first cluster with Project Astra. [Learn more.](#)

Copyright Information

Copyright © 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.