



Execute Ansible Playbook using NetApp Docker image

Active IQ Digital Advisor

netapp-manishc, Reenu Jojo
May 19, 2021

Table of Contents

- Execute Ansible Playbook using NetApp Docker image 1
 - Before you begin 1

Execute Ansible Playbook using NetApp Docker image

Before you execute the Ansible Playbook, ensure that the **NetApp_Ansible_*.zip** file has been extracted and the web server with disk or shelf firmware files is ready.

Before you begin

Before executing Ansible Playbook using NetApp docker, you should:

- [Download the AFF and FAS firmware Ansible Automation package](#)
- [Host the Firmware files using the web server](#)
- [Work with the inventory file](#)
- Ensure that NetApp Docker is installed.

Steps

1. [Set up Docker.](#)
2. Pull the NetApp Docker image from DockerHub by executing the following command:

```
$ docker pull schmots1/netapp-ansible

Using default tag: latest
latest: Pulling from schmots1/netapp-ansible
docker.io/schmots1/netapp-ansible:lates
```

For more information about the docker pull command, refer to the [Docker Pull Documentation](#).

3. Run the Docker image as a container and log in to the container to execute the Ansible Playbook.
4. Copy the path of the folder which contains the extracted Ansible Playbook and inventory files, for example, **downloaded_playbook_path**. The Ansible Playbook and inventory files should be in the same folder for successful execution.
5. Mount the folder as a volume on the Docker container. For example, to mount the folder **container_path**, you should execute the following command:

```
$ docker run -v <downloaded_playbook_path>:/<container_path> -it
schmots1/netapp-ansible:latest /bin/bash
```

The container starts and the console is now at bash shell of the container. For more information about the Docker Run command, refer to the [Docker Run Documentation](#).

6. Execute the Ansible Playbook inside the container using the **ansible-playbook** command:

```
$ cd <container_path>
$ ansible-playbook na_ontap_pb_upgrade_firmware.yml

Enter your ONTAP admin username: ****
Enter the password for your ONTAP admin user: ****
Enter the base URL to the firmware package (using HTTP is recommended):
http://<web-server>/path/
PLAY [ONTAP Firmware Upgrade]
*****
```



If there are a set of clusters with different login credentials, the Ansible Playbook must be run on each cluster. There are no changes required to the inventory file as the Ansible Playbook skips the clusters for which the login has failed.

For more information about the **ansible-playbook** command, refer to the [Ansible Playbook Documentation](#) and to execute the Ansible playbook in check mode (dry run), refer to [Ansible: Check mode](#).

After executing the Ansible Playbook, refer to the [Firmware Installation Validations](#) for post-execution instructions.

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.