



Script to delete a cluster

ONTAP Select

David Peterson
November 21, 2019

This PDF was generated from https://docs.netapp.com/us-en/ontap-select/reference_api_script_dc.html on October 30, 2020. Always check docs.netapp.com for the latest.

Table of Contents

Script to delete a cluster 1

Script to delete a cluster

You can use the following CLI script to delete an existing cluster.

```
1 #!/usr/bin/env python
2 ##-----
3 #
4 # File: delete_cluster.py
5 #
6 # (C) Copyright 2019 NetApp, Inc.
7 #
8 # This sample code is provided AS IS, with no support or warranties of
9 # any kind, including but not limited for warranties of merchantability
10 # or fitness of any kind, expressed or implied. Permission to use,
11 # reproduce, modify and create derivatives of the sample code is granted
12 # solely for the purpose of researching, designing, developing and
13 # testing a software application product for use with NetApp products,
14 # provided that the above copyright notice appears in all copies and
15 # that the software application product is distributed pursuant to terms
16 # no less restrictive than those set forth herein.
17 #
18 ##-----
19
20 import argparse
21 import json
22 import logging
23
24 from deploy_requests import DeployRequests
25
26 def find_cluster(deploy, cluster_name):
27     return deploy.find_resource('/clusters', 'name', cluster_name)
28
29
30 def offline_cluster(deploy, cluster_id):
31     # Test that the cluster is online, otherwise do nothing
32     response = deploy.get('/clusters/{id}?fields=state'.format(cluster_id))
33     cluster_data = response.json()['record']
34     if cluster_data['state'] == 'powered_on':
35         log_info("Found the cluster to be online, modifying it to be powered_off.")
36         deploy.patch('/clusters/{id}'.format(cluster_id), {'availability':
37 'powered_off'}, True)
38
39
40 def delete_cluster(deploy, cluster_id):
41     log_info("Deleting the cluster({id}).".format(cluster_id))
42     deploy.delete('/clusters/{id}'.format(cluster_id), True)
```

```

42     pass
43
44
45 def log_info(msg):
46     logging.getLogger('deploy').info(msg)
47
48
49 def configure_logging():
50     FORMAT = '%(asctime)-15s:%(levelname)s:%(name)s: %(message)s'
51     logging.basicConfig(level=logging.INFO, format=FORMAT)
52     logging.getLogger('requests.packages.urllib3.connectionpool').setLevel(logging
        .WARNING)
53
54
55 def main(args):
56     configure_logging()
57     deploy = DeployRequests(args.deploy, args.password)
58
59     with open(args.config_file) as json_data:
60         config = json.load(json_data)
61
62         cluster_id = find_cluster(deploy, config['cluster']['name'])
63
64         log_info("Found the cluster {} with id: {}".format(config['cluster']['name'],
            cluster_id))
65
66         offline_cluster(deploy, cluster_id)
67
68         delete_cluster(deploy, cluster_id)
69
70
71 def parseArgs():
72     parser = argparse.ArgumentParser(description='Uses the ONTAP Select Deploy API to
        delete a cluster')
73     parser.add_argument('-d', '--deploy', required=True, type=str, help='Hostname or
        IP address of Deploy server')
74     parser.add_argument('-p', '--password', required=True, type=str, help='Admin
        password of Deploy server')
75     parser.add_argument('-c', '--config_file', required=True, type=str, help='Filename
        of the cluster json config')
76     return parser.parse_args()
77
78 if __name__ == '__main__':
79     args = parseArgs()
80     main(args)

```

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.