



Script to delete a cluster

ONTAP Select

NetApp

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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 #
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7 #
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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)

```

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