



## List the managed apps

### Astra Automation

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# List the managed apps

You can use the following script to list the managed applications for your Astra account.

```
1 #!/usr/bin/env python3
2
```

```

##-----
-----
3 #
4 # Usage: python3 list_man_apps.py -i identity_file.json
5 #
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17 #
18
##-----
-----
19
20 import argparse
21 import json
22 import requests
23 import urllib3
24 import sys
25
26 # Global variables
27 api_token = ""
28 account_id = ""
29
30 def get_managed_apps():
31     ''' Get and print the list of managed apps '''
32
33     # Global variables
34     global api_token
35     global account_id
36
37     # Create an HTTP session
38     sess1 = requests.Session()
39
40     # Suppress SSL unsigned certificate warning

```

```

41     urllib3.disable_warnings(urllib3.exceptions.
InsecureRequestWarning)
42
43     # Create URL
44     url1 = "https://astra.netapp.io/accounts/" + account_id +
"/k8s/v1/managedApps"
45
46     # Headers and response output
47     req_headers = {}
48     resp_headers = {}
49     resp_data = {}
50
51     # Prepare the request headers
52     req_headers.clear
53     req_headers['Authorization'] = "Bearer " + api_token
54     req_headers['Content-Type'] = "application/astra-managedApp+json"
55     req_headers['Accept'] = "application/astra-managedApp+json"
56
57     # Make the REST call
58     try:
59         resp1 = sess1.request('get', url1, headers=req_headers,
allow_redirects=True, verify=False)
60
61     except requests.exceptions.ConnectionError:
62         print("Connection failed")
63         sys.exit(1)
64
65     # Retrieve the output
66     http_code = resp1.status_code
67     resp_headers = resp1.headers
68
69     # Print the list of managed apps
70     if http_code == 200:
71         resp_data = json.loads(resp1.text)
72         items = resp_data['items']
73         for i in items:
74             print(" ")
75             print("Name: " + i['name'])
76             print("ID: " + i['id'])
77             print("State: " + i['state'])
78     else:
79         print("Failed with HTTP status code: " + str(http_code))
80
81     print(" ")
82
83     # Close the session

```

```

84     sess1.close()
85
86     return
87
88 def read_id_file(idf):
89     ''' Read the identity file and save values '''
90
91     # Global variables
92     global api_token
93     global account_id
94
95     with open(idf) as f:
96         data = json.load(f)
97
98     api_token = data['api_token']
99     account_id = data['account_id']
100
101     return
102
103 def main(args):
104     ''' Main top level function '''
105
106     # Global variables
107     global api_token
108     global account_id
109
110     # Retrieve name of JSON input file
111     identity_file = args.id_file
112
113     # Get token and account
114     read_id_file(identity_file)
115
116     # Issue REST call
117     get_managed_apps()
118
119     return
120
121 def parseArgs():
122     ''' Parse the CLI input parameters '''
123
124     parser = argparse.ArgumentParser(description='Astra REST API -
List the managed apps',
125                                     add_help = True)
126     parser.add_argument("-i", "--identity", action="store", dest
="id_file", default=None,
127                         help='(Req) Name of the identity input

```

```
    file', required=True)
128
129     return parser.parse_args()
130
131 if __name__ == '__main__':
132     ''' Begin here '''
133
134     # Parse input parameters
135     args = parseArgs()
136
137     # Call main function
138     main(args)
```

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