# Slurm REST API

This simple bit of Python will run slurmrestd as the user, giving access to the full API without running a service. It’s sufficient for simple and moderate volumes of calls to the API and doesn’t require any special authentication or setup.

import subprocess, os, json  
from pprint import pprint as pprint  
  
# Wrap slurmrestd so that it Just Works(tm).  
# By default we return the API definition.  
  
def request(method = 'GET', url = '/openapi'):  
 command = 'echo "%s %s HTTP/1.1\r\n" | %s' % (method, url, 'slurmrestd')  
 os.environ['SLURMRESTD\_SECURITY'] = 'disable\_user\_check'  
 status, output = subprocess.getstatusoutput(command)  
  
 return output  
  
def request\_json(method = 'GET', url = '/openapi'):  
 head, body = request(method, url).split('\n\n',1)  
 return body  
  
def request\_dict(method = 'GET', url = '/openapi'):  
 body = json.loads(request\_json(method, url))  
 return body  
  
if \_\_name\_\_ == "\_\_main\_\_":  
 print(request('GET', '/slurm/v0.0.38/ping'))