



Star 35,033

Requests is an elegant and simple HTTP library for Python, built for human beings. Sponsored by Linode and other wonderful organizations.

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Requests: HTTP for Humans™

Release v2.19.1. (Installation)

license Apache 2.0 wheel yes python 2.7 | 3.4 | 3.5 | 3.6 codecov 66% say thanks!

Requests is the only Non-GMO HTTP library for Python, safe for human consumption.

Note:

The use of Python 3 is highly preferred over Python 2. Consider upgrading your applications and infrastructure if you find yourself still using Python 2 in production today. If you are using Python 3, congratulations — you are indeed a person of excellent taste. —Kenneth Reitz

If you're interested in financially supporting Kenneth Reitz open source, consider visiting this link. Your support helps tremendously with sustainability of motivation, as Open Source is no longer part of my day job.

Behold, the power of Requests:

```
>>> r = requests.get('https://api.github.com/user', auth=('user', 'pass'))
>>> r.status_code
200
>>> r.headers['content-type']
'application/json; charset=utf8'
>>> r.encoding
'utf-8'
>>> r.text
u'{"type":"User"...'
>>> r.json()
{'private_gists': 419, u'total_private_repos': 77, ...}
```

v: master

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```
Terminal Shell Edit View Window Help
htdocs --bash -- 181x48
sudo pip install requests

ImportError: No module named requests
>>> quit()
Users-MacBook-Pro:htdocs user$ pip install requests
Collecting requests
  Downloading https://files.pythonhosted.org/packages/65/47/7e02164a2a3db50ed6d8a6ab1d6d60b69c4c3fdf57a284257925dfc12bda/requests-2.19.1-py2.py3-none-any.whl (91kB)
    100% |#####| 92kB 1.9MB/s
Collecting idna<2.8,>=2.5 (from requests)
  Downloading https://files.pythonhosted.org/packages/4b/2a/0276479a4b3caeb8a8c1af2f8e4355746a97fab05a372e4a2c6a6b876165/idna-2.7-py2.py3-none-any.whl (58kB)
    100% |#####| 61kB 7.5MB/s
Collecting certifi>=2017.4.17 (from requests)
  Downloading https://files.pythonhosted.org/packages/df/f7/04fee6ac349e915b82171f8e23cee63644d83663b34c539f7a09aed18f9e/certifi-2018.8.24-py2.py3-none-any.whl (147kB)
    100% |#####| 153kB 1.8MB/s
Collecting urllib3<1.24,>=1.21.1 (from requests)
  Downloading https://files.pythonhosted.org/packages/bd/c9/6fdd990019071a4a32a5e7cb78a1d92c53851ef4f56f62a3486e6a7d8ffb/urllib3-1.23-py2.py3-none-any.whl (133kB)
    100% |#####| 143kB 2.0MB/s
Collecting chardet<3.1.0,>=3.0.2 (from requests)
  Downloading https://files.pythonhosted.org/packages/bc/a9/01ffebfb562e4274b6487b4bb1ddec7ca55ec7510b22e4c51f14098443b8/chardet-3.0.4-py2.py3-none-any.whl (133kB)
    100% |#####| 143kB 2.0MB/s
Installing collected packages: idna, certifi, urllib3, chardet, requests
Could not install packages due to an EnvironmentError: [Errno 13] Permission denied: '/Library/Python/2.7/site-packages/idna'
Consider using the '--user' option or check the permissions.

You are using pip version 18.0, however version 18.1 is available.
You should consider upgrading via the 'pip install --upgrade pip' command.
Users-MacBook-Pro:htdocs user$ sudo pip install requests
Password:
The directory '/Users/user/Library/Caches/pip/http' or its parent directory is not owned by the current user and the cache has been disabled. Please check the permissions and owner of that directory. If executing pip with sudo, you may want sudo's -H flag.
The directory '/Users/user/Library/Caches/pip' or its parent directory is not owned by the current user and caching wheels has been disabled. check the permissions and owner of that directory. If executing pip with sudo, you may want sudo's -H flag.
Collecting requests
  Downloading https://files.pythonhosted.org/packages/65/47/7e02164a2a3db50ed6d8a6ab1d6d60b69c4c3fdf57a284257925dfc12bda/requests-2.19.1-py2.py3-none-any.whl (91kB)
    100% |#####| 92kB 2.3MB/s
Collecting idna<2.8,>=2.5 (from requests)
  Downloading https://files.pythonhosted.org/packages/4b/2a/0276479a4b3caeb8a8c1af2f8e4355746a97fab05a372e4a2c6a6b876165/idna-2.7-py2.py3-none-any.whl (58kB)
    100% |#####| 61kB 13.7MB/s
Collecting certifi>=2017.4.17 (from requests)
  Downloading https://files.pythonhosted.org/packages/df/f7/04fee6ac349e915b82171f8e23cee63644d83663b34c539f7a09aed18f9e/certifi-2018.8.24-py2.py3-none-any.whl (147kB)
    100% |#####| 153kB 2.7MB/s
Collecting urllib3<1.24,>=1.21.1 (from requests)
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Collecting chardet<3.1.0,>=3.0.2 (from requests)
  Downloading https://files.pythonhosted.org/packages/bc/a9/01ffebfb562e4274b6487b4bb1ddec7ca55ec7510b22e4c51f14098443b8/chardet-3.0.4-py2.py3-none-any.whl (133kB)
    100% |#####| 143kB 2.8MB/s
Installing collected packages: idna, certifi, urllib3, chardet, requests
Successfully installed certifi-2018.8.24 chardet-3.0.4 idna-2.7 requests-2.19.1 urllib3-1.23
Users-MacBook-Pro:htdocs user$ python
```

```
root@vs-rmetcalfe [~]#
root@vs-rmetcalfe [~]#
root@vs-rmetcalfe [~]#
root@vs-rmetcalfe [~]#
root@vs-rmetcalfe [~]# exit
logout
Connection to 27.54.94.234 closed.
Users-MacBook-Pro:htdocs user$
Users-MacBook-Pro:htdocs user$
Users-MacBook-Pro:htdocs user$
Users-MacBook-Pro:htdocs user$
Users-MacBook-Pro:htdocs user$
Users-MacBook-Pro:htdocs user$ cat sublunar.py
import ephem
import math
import time
from datetime import datetime, timedelta
greenwich = ephem.Observer()
greenwich.lat = "0"
greenwich.lon = "0"
greenwich.date = datetime.utcnow()
moon = ephem.Moon(greenwich)
moon.compute(greenwich.date)
moon_lon = math.degrees(moon.ra - greenwich.sidereal_time() )
if moon_lon < -180.0 :
    moon_lon = 360.0 + moon_lon
elif moon_lon > 180.0 :
    moon_lon = moon_lon - 360.0
moon_lat = math.degrees(moon.dec)
d1 = ephem.next_full_moon(greenwich.date)
d2 = ephem.next_new_moon(greenwich.date)
print('%s %s %s %s' % (moon_lon, moon_lat, d1, d2))
quit()
Users-MacBook-Pro:htdocs user$ echo "import requests" >> file_get_contents.py
Users-MacBook-Pro:htdocs user$ echo "import sys" >> file_get_contents.py
Users-MacBook-Pro:htdocs user$ echo "if len(sys.argv) > 1 :" >> file_get_contents.py
Users-MacBook-Pro:htdocs user$ echo "    r = requests.get(sys.argv[1])" >> file_get_contents.py
Users-MacBook-Pro:htdocs user$ echo "    print('%s' % (r.text))" >> file_get_contents.py
Users-MacBook-Pro:htdocs user$ echo "else :" >> file_get_contents.py
Users-MacBook-Pro:htdocs user$ echo "    print('')" >> file_get_contents.py
Users-MacBook-Pro:htdocs user$ vi file_get_contents.py
Users-MacBook-Pro:htdocs user$ cat file_get_contents.py
import requests
import sys
if len(sys.argv) > 1 :
    r = requests.get(sys.argv[1])
    print('%s' % (r.text))
else :
    print('')
Users-MacBook-Pro:htdocs user$ python file_get_contents.py http://www.rjprogramming.com.au/PHP/MoonAngle/moon_angle_now_at.php | tee -a moon_angle_now_at.snapshot
```




```
/option><option value='+137.0'>+137</option><option value='+138.0'>+138</option><option value='+139.0'>+139</option><option value='+140.0'>+140</option><option value='+141.0'>+141</option><option value='+142.0'>+142</option><option value='+143.0'>+143</option><option value='+144.0'>+144</option><option value='+145.0'>+145</option><option value='+146.0'>+146</option><option value='+147.0'>+147</option><option value='+148.0'>+148</option><option value='+149.0'>+149</option><option value='+150.0'>+150</option><option value='+151.0'>+151</option><option value='+152.0'>+152</option><option value='+153.0'>+153</option><option value='+154.0'>+154</option><option value='+155.0'>+155</option><option value='+156.0'>+156</option><option value='+157.0'>+157</option><option value='+158.0'>+158</option><option value='+159.0'>+159</option><option value='+160.0'>+160</option><option value='+161.0'>+161</option><option value='+162.0'>+162</option><option value='+163.0'>+163</option><option value='+164.0'>+164</option><option value='+165.0'>+165</option><option value='+166.0'>+166</option><option value='+167.0'>+167</option><option value='+168.0'>+168</option><option value='+169.0'>+169</option><option value='+170.0'>+170</option><option value='+171.0'>+171</option><option value='+172.0'>+172</option><option value='+173.0'>+173</option><option value='+174.0'>+174</option><option value='+175.0'>+175</option><option value='+176.0'>+176</option><option value='+177.0'>+177</option><option value='+178.0'>+178</option><option value='+179.0'>+179</option><option value='+180.0'>+180</option></pre>
```

localhost:8888/mana.html

As of ... 2018/10/11 UTC

[Another moon angle calculation?](#)

Latitude 1: Longitude 1:

```
<div class="skyandground" id="sandg" style="background-color: lightgray; display: none;"></div>
<div id="mydodah" style="background-color: ochre; display: none; height:100px; width: 100px; border-bottom: 5px solid green; ">
</div>
</td><td>
<iframe id="weather" style="background-color: lightgray; display: none; height: 460px; width: 500px;" src="javascript: false;"></iframe></td></tr></table>
</body>
</html>
```

```
Users-MacBook-Pro:htdocs user$ ls -l moon_angle_now_at.snapshot
-rw-r--r--  1 user  admin 179910 11 Oct 11:22 moon_angle_now_at.snapshot
Users-MacBook-Pro:htdocs user$ cp moon_angle_now_at.snapshot > mana.html
usage: cp [-R [-H | -L | -P]] [-fi | -n] [-apvX] source_file target_file
       cp [-R [-H | -L | -P]] [-fi | -n] [-apvX] source_file ... target_directory
Users-MacBook-Pro:htdocs user$ cp moon_angle_now_at.snapshot mana.html
Users-MacBook-Pro:htdocs user$
```

