

Python `flask.request.headers()` Examples

The following are code examples for showing how to use `flask.request.headers()`. They are from open source Python projects. You can vote up the examples you like or vote down the ones you don't like.

Example 1

Project: [zmirror](#) Author: [aploium](#) File: [zmirror.py](#) MIT License

6 vc

```
def request_remote_site():
    """
    请求远程服务器(high-level), 并在返回404/500时进行 domain_guess 尝试
    """

    # 请求被镜像的网站
    # 注意: 在zmirror内部不会处理重定向, 重定向响应会原样返回给浏览器
    parse.remote_response = send_request(
        parse.remote_url,
        method=request.method,
        headers=parse.client_header,
        data=parse.request_data_encoded,
    )

    if parse.remote_response.url != parse.remote_url:
        warnprint("requests's remote url", parse.remote_response.url,
                  'does no equals our rewrited url', parse.remote_url)

    if 400 <= parse.remote_response.status_code <= 599:
        # 猜测url所对应的正确域名
        dbgprint("Domain guessing for", request.url)
        result = guess_correct_domain()
        if result is not None:
            parse.remote_response = result
```

Example 2

Project: [zmirror](#) Author: [aploium](#) File: [zmirror.py](#) MIT License

6 vc

```
def zmirror_enter(input_path='/'):
    """入口函数的壳, 只是包了一层异常处理, 实际是 main_function() """
    try:
        resp = main_function(input_path=input_path)

        # 加入额外的响应头
        for name, value in parse.extra_resp_headers.items():
            resp.headers.set(name, value)

        # 加入额外的cookies
        for name, cookie_string in parse.extra_cookies.items():
            resp.headers.add("Set-Cookie", cookie_string)

    except: # coverage: exclude
        return generate_error_page(is_traceback=True)
    else:
        return resp
```

```
# noinspection PyUnusedLocal
```

Example 3

Project: *Bluemix-ServiceBroker* Author: *IBM-Cloud* File: *bm-x-sample-broker.py* [Apache License 2.0](#)

6 vc

```
def catalog():
    # Return the catalog of services handled by this broker
    #
    # GET /v2/catalog:
    #
    # HEADER:
    #     X-Broker-API-Version: <version>
    #
    # return:
    #     JSON document with details about the
    #     services offered through this broker

    api_version = request.headers.get('X-Broker-API-Version')
    # Check broker API version
    if not api_version or float(api_version) < X_BROKER_API_VERSION:
        abort(412, "Precondition failed. Missing or incompatible %s. Expecting ver
    services={"services": [pseudo_service]}
    return jsonify(services)

#
# Provision
#
```

Example 4

Project: *botbuilder-python* Author: *microsoft* File: *app.py* [MIT License](#)

6 vc

```
def messages():
    # Main bot message handler.
    if "application/json" in request.headers["Content-Type"]:
        body = request.json
    else:
        return Response(status=415)

    activity = Activity().deserialize(body)
    auth_header = (
        request.headers["Authorization"] if "Authorization" in request.headers el
    )

    async def aux_func(turn_context):
        await BOT.on_turn(turn_context)

    try:
        task = LOOP.create_task(
            ADAPTER.process_activity(activity, auth_header, aux_func)
        )
        LOOP.run_until_complete(task)
        return Response(status=201)
    except Exception as exception:
        raise exception
```

Example 5

```
def messages():
    # Main bot message handler.
    if "application/json" in request.headers["Content-Type"]:
        body = request.json
    else:
        return Response(status=415)

    activity = Activity().deserialize(body)
    auth_header = (
        request.headers["Authorization"] if "Authorization" in request.headers el
    )

    try:
        task = LOOP.create_task(
            ADAPTER.process_activity(activity, auth_header, BOT.on_turn)
        )
        LOOP.run_until_complete(task)
        return Response(status=201)
    except Exception as exception:
        raise exception
```

Example 6

```
def messages():
    # Main bot message handler.
    if "application/json" in request.headers["Content-Type"]:
        body = request.json
    else:
        return Response(status=415)

    activity = Activity().deserialize(body)
    auth_header = (
        request.headers["Authorization"] if "Authorization" in request.headers el
    )

    try:
        print("about to create task")
        print("about to run until complete")
        run_coroutine(ADAPTER.process_activity(activity, auth_header, BOT.on_turn))
        print("is now complete")
        return Response(status=201)
    except Exception as exception:
        raise exception
```

Example 7

```
def messages():
    # Main bot message handler.
    if "application/json" in request.headers["Content-Type"]:
        body = request.json
    else:
        return Response(status=415)

    activity = Activity().deserialize(body)
    auth_header = (
```

```

        request.headers["Authorization"] if "Authorization" in request.headers el
    )

    try:
        task = LOOP.create_task(
            ADAPTER.process_activity(activity, auth_header, BOT.on_turn)
        )
        LOOP.run_until_complete(task)
        return Response(status=201)
    except Exception as exception:
        raise exception

```

Example 8

Project: [botbuilder-python](#) Author: [microsoft](#) File: [app.py](#) MIT License

6 vc

```

def messages():
    # Main bot message handler.
    if "application/json" in request.headers["Content-Type"]:
        body = request.json
    else:
        return Response(status=415)

    activity = Activity().deserialize(body)
    auth_header = (
        request.headers["Authorization"] if "Authorization" in request.headers el
    )

    try:
        task = LOOP.create_task(
            ADAPTER.process_activity(activity, auth_header, BOT.on_turn)
        )
        LOOP.run_until_complete(task)
        return Response(status=201)
    except Exception as exception:
        raise exception

```

Example 9

Project: [botbuilder-python](#) Author: [microsoft](#) File: [main.py](#) MIT License

6 vc

```

def messages():
    """Main bot message handler."""
    if "application/json" in request.headers["Content-Type"]:
        body = request.json
    else:
        return Response(status=415)

    activity = Activity().deserialize(body)
    auth_header = (
        request.headers["Authorization"] if "Authorization" in request.headers el
    )

    async def aux_func(turn_context):
        await BOT.on_turn(turn_context)

    try:
        task = LOOP.create_task(
            ADAPTER.process_activity(activity, auth_header, aux_func)
        )
        LOOP.run_until_complete(task)

```

```

        return Response(status=201)

    except Exception as exception:
        raise exception

```

Example 10

Project: *adh6* Author: *bonnetn* File: *proxy.py* GNU General Public License v3.0

6 vc

```

def __init__(self, controller: ProxyController):
    self.blueprint = Blueprint('proxy_blueprint', __name__)

    @self.blueprint.route('/', defaults={'path': ''})
    @self.blueprint.route('/<path:path>', methods=['GET', 'OPTIONS', 'HEAD', ''])
    def proxy(path):
        return controller.proxy(
            path,
            Request(
                method=request.method,
                args=request.args,
                headers=request.headers,
                raw_content=request.stream.read(),
            ),
            session.get(SESSION_TOKEN)
        )

```

Example 11

Project: *ambassador-auth-httpjwt* Author: *datawire* File: *app.py* Apache License 2.0

6 vc

```

def get_encoded_token():
    """Tokens are generally sent in HTTP 'Authorization' header but sometimes developers
    we check for both.

    :return: the encoded JSON Web Token
    """

    token = None

    if "authorization" in request.headers:
        token = parse_token_from_authorization_header(request.headers["authorization"])
    elif "jwt" in request.cookies:
        token = request.cookies["jwt"]

    return token

```

Example 12

Project: *orcid-service* Author: *adsabs* File: *views.py* MIT License

6 vc

```

def orcid_profile(orcid_id):
    '''Get/Set /[orcid-id]/orcid-profile - all communication exclusively in JSON'''
    payload, headers = check_request(request)
    if request.method == 'GET':
        r = current_app.client.get(current_app.config['ORCID_API_ENDPOINT'] + '/' +
                                   orcid_id, headers=headers)
    else:
        r = current_app.client.post(current_app.config['ORCID_API_ENDPOINT'] + '/' +
                                   orcid_id, json=payload, headers=headers)

```

```

# save the profile data (just in case the user revokes access_token, we can st
# from our local data); however - normally the updater should grab the latest
if r.status_code == 200:
    update_profile(orcoid_id, r.text)

return r.text, r.status_code

```

Example 13

Project: *orcoid-service* Author: *adsabs* File: [views.py](#) MIT License

6 vc

```

def orcoid_works(orcoid_id, putcode):
    '''Get/Set /[orcoid-id]/orcoid-works - all communication exclusively in JSON'''

    payload, headers = check_request(request)

    if request.method == 'GET':
        if ',' in putcode:
            r = current_app.client.get(current_app.config['ORCID_API_ENDPOINT'] +
                                       headers=headers)
        else:
            r = current_app.client.get(current_app.config['ORCID_API_ENDPOINT'] +
                                       headers=headers)
    elif request.method == 'PUT':
        r = current_app.client.put(current_app.config['ORCID_API_ENDPOINT'] + '/'
                                   json=payload, headers=headers)
        update_profile(orcoid_id)
    elif request.method == 'DELETE':
        r = current_app.client.delete(current_app.config['ORCID_API_ENDPOINT'] + '
                                     headers=headers)
        update_profile(orcoid_id)

    return r.text, r.status_code

```

Example 14

Project: *orcoid-service* Author: *adsabs* File: [views.py](#) MIT License

6 vc

```

def check_request(request):
    headers = dict(request.headers)
    if 'Orcid-Authorization' not in headers:
        raise Exception('Header Orcid-Authorization is missing')
    h = {
        'Accept': 'application/json',
        'Authorization': headers['Orcid-Authorization'],
        'Content-Type': 'application/json'
    }
    # transfer headers from the original
    #for x in ['Content-Type']:
    #    if x in headers:
    #        h[x] = headers[x]

    if 'Content-Type' in headers \
        and 'application/json' in headers['Content-Type'] \
        and request.method in ('POST', 'PUT'):
        payload = request.json
    else:
        payload = dict(request.args)
        payload.update(dict(request.form))

```

```
return (payload, h)
```

Example 15

Project: *grafana-csv-datasource* Author: *SmartBlug* File: *PythonServer.py* MIT License

6 vc

```
def find_metrics(folder):
    #print request.headers, request.get_json()
    req = request.get_json()
    source = req.get('source', '')
    # Load headers
    #with open(path+str(folder)+"/"+source+".csv",'rb') as csvfile:
    #    reader = csv.DictReader(csvfile, delimiter=';', quotechar='|')
    #    fieldnames = reader.fieldnames

    with open(path+str(folder)+"/"+source+".csv",'rb') as csvfile:
        dialect = csv.Sniffer().sniff(csvfile.read(1024))
        csvfile.seek(0)
        reader = csv.reader(csvfile, dialect)
        fieldnames = reader.next()

    target = req.get('target', '')
    metrics = []
    for key in fieldnames:
        if key.find(target)!=-1:
            metrics.append(key)
    #print(metrics)
    return jsonify(metrics)
```

#-----

Example 16

Project: *grafana-csv-datasource* Author: *SmartBlug* File: *PythonServer.py* MIT License

6 vc

```
def query_annotations(folder):
    print request.headers, request.get_json()
    req = request.get_json()

    results = []

    ts_range = {'$gt': pd.Timestamp(req['range']['from']).to_pydatetime(),
                '$lte': pd.Timestamp(req['range']['to']).to_pydatetime()}

    query = req['annotation']['query']

    if ':' not in query:
        abort(404, Exception('Target must be of type: <finder>:<metric_query>, got

    finder, target = query.split(':', 1)
    results.extend(annotations_to_response(query, annotation_readers[finder](target

    return jsonify(results)
```

#-----

Example 17

6 vc

```
def get_panel(folder):
    print request.headers, request.get_json()
    req = request.args

    ts_range = {'$gt': pd.Timestamp(int(req['from']), unit='ms').to_pydatetime(),
                '$lte': pd.Timestamp(int(req['to']), unit='ms').to_pydatetime()}

    query = req['query']

    if ':' not in query:
        abort(404, Exception('Target must be of type: <finder>:<metric_query>, got

    finder, target = query.split(':', 1)
    return panel_readers[finder](target, ts_range)

#-----
```

Example 18

```
def request_start():
    content_type = request.headers.get('Accept') or ''
    real_ip = request.headers.get('X-Real-IP') or ''

    Log.info(request.path+' '+format_args(request.args)\
              +' '+real_ip\
              +' '+content_type)

    #Test content_type

    # if content_type and content_type not in AVAILABLE_CONTENT_TYPES:
    #     results = {'message' : 'Content-Type not supported',
    #               'message_code' : 8
    #               }
    #     return {'error' : 'content-type'}
    #     return self.render(results, status_code = 405)
```

Example 19

```
def stripe_webhook(func):
    @wraps(func)
    def stripe_webhook_wrapper(*args, **kwargs):
        payload = request.data.decode("utf-8")

        try:
            sig_header = request.headers["stripe-signature"]
            event = stripe.Webhook.construct_event(
                payload, sig_header, current_app.config["STRIPE_ENDPOINT_SECRET"]
            )
        except ValueError:
            # Invalid JSON
            return json_api(BadRequest(), ErrorSchema), 400
        except (KeyError, stripe.error.SignatureVerificationError):
            return json_api(AccessDenied(), ErrorSchema), 403
```



```

        return func(event=event, *args, **kwargs)

    return stripe_webhook_wrapper

```

Example 20

Project: *dig-sandpaper* Author: *usc-isi-i2* File: [search_server.py](#) MIT License

6 vc

```

def _index_fields(request):
    if (request.headers['Content-Type'] == 'application/x-gzip'):
        gz_data_as_file = BytesIO(request.data)
        uncompressed = gzip.GzipFile(fileobj=gz_data_as_file, mode='rb')
        jls = uncompressed.read()
    elif (request.headers['Content-Type'] == 'application/json' or
          request.headers['Content-Type'] == 'application/x-jsonlines'):
        jls = request.data
    else:
        return ""
    reader = codecs.getreader('utf-8')
    jls_as_file = reader(BytesIO(jls))
    jls = [json.dumps(jl) for jl in [index_knowledge_graph_fields(jl)
                                     for jl in jl_file_iterator(jls_as_file)]
          if jl is not None]
    return jls

```

Example 21

Project: *dig-sandpaper* Author: *usc-isi-i2* File: [search_server.py](#) MIT License

6 vc

```

def index_fields():
    if not _is_acceptable_content_type(request):
        return "Only supported content types are {} {} and {}".format('application
                                                                    'application
                                                                    'application

    status.HTTP_400_BAD_REQUEST

    jls = _index_fields(request)
    indexed_jls = "\n".join(jls)
    if (request.headers['Content-Type'] == 'application/x-gzip'):
        indexed_jls_as_file = StringIO()
        compressed = gzip.GzipFile(mode='wb',
                                    fileobj=indexed_jls_as_file)
        compressed.write(indexed_jls)
        compressed.close()
        return indexed_jls_as_file.getvalue()
    else:
        return indexed_jls

```

Example 22

Project: *Loosindus* Author: *TaaviE* File: [login.py](#) GNU Affero General Public License v3.0

6 vc

```

def api_login():
    """
    Allows login without CSRF protection if one knows the API key
    """
    username = ""
    try:
        email = request.form["email"] # TODO: Use header
        password = request.form["password"]

```

```

apikey = request.headers["X-API-Key"]
if apikey != Config.PRIVATE_API_KEY:
    return {"\error\: \error\"}, {"content-type": "text/json"}

user = User.query.filter(User.email == email).first()

if verify_password(password, user.password):
    login_user(user)
else:
    return {"\error\: \error\"}, {"content-type": "text/json"}

return redirect("/")
except Exception as e:
    sentry_sdk.capture_exception(e)
    logger.info("API login failed for user {}".format(username))
    return {"\error\: \error\"}, {"content-type": "text/json"}

```

Example 23

Project: *corpus-to-graph-ml* Author: *CatalystCode* File: *app.py* MIT License

6 vc

```

def score():
    if request.headers['Content-Type'] != 'application/json':
        resp = Response('Unssupported content type, expected application/json', sta
        return resp
    if (not request.json.has_key('text')):
        resp = Response('Bad request: missing "text" field in JSON body', status=5
        return resp
    if (not request.json.has_key('entities')):
        resp = Response('Bad request: missing "entities" field in JSON body', stat
        return resp

    text = request.json['text']
    entities = request.json['entities']
    try:
        scorerResult = scorer.evaluate_score(text, entities)
        resp = jsonify(scorer_result_to_response_format(scorerResult))
        resp.status_code = 200
        return resp
    except Exception as e:
        resp = Response("Internal Server Error: %s"%e, status = 500)
        return resp

```

Example 24

Project: *corpus-to-graph-ml* Author: *CatalystCode* File: *app.py* MIT License

6 vc

```

def update_model():
    if request.headers['Content-Type'] != 'application/json':
        resp = Response('Unssupported content type, expected application/json', sta
        return resp
    if (not request.json.has_key('path')):
        resp = Response('Bad request: missing "path" field in JSON body', status=5
        return resp

    path = request.json['path']
    try:
        scorer.load_model_from_url(path)
        resp = Response("", status=200);
        return resp
    except Exception as e:

```

```
resp = Response("Internal Server Error: %s"%e, status = 500)
return resp
```

Example 25

Project: *PyOne* Author: *abbeyokgo* File: *views.py* [Mozilla Public License 2.0](#)

5 vc

```
def redirect_file(user,fileid):
    filename=GetName(fileid)
    downloadUrl,play_url=GetDownloadUrl(fileid,user)
    req = browser.get(play_url, stream = True)
    headers = dict([(name, value) for (name, value) in req.raw.headers.items()])
    cache_root=os.path.join(GetConfig('config_dir'),'cache')
    if not os.path.exists(cache_root):
        os.mkdir(cache_root)
    filepath=os.path.join(cache_root,filename)
    if not os.path.exists(filepath):
        with open(filepath,'wb') as f:
            for chunk in req.iter_content(1024):
                if chunk:
                    f.write(chunk)
                    f.flush()
    resp=send_file(filepath,conditional=True)
    return resp
```

Example 26

Project: *zmirror* Author: *aploium* File: *zmirror.py* [MIT License](#)

5 vc

```
def generate_304_response(_content_type=None):
    """rtype Response"""
    r = Response(content_type=_content_type, status=304)
    r.headers.add('X-Cache', 'FileHit-304')
    return r
```

Example 27

Project: *zmirror* Author: *aploium* File: *zmirror.py* [MIT License](#)

5 vc

```
def put_response_to_local_cache(url, _our_resp, without_content=False):
    """
    put our response object(headers included) to local cache
    :param without_content: for stream mode use
    :param url: client request url
    :param _our_resp: our response(flask response object) to client, would be stor
    :type url: str
    :type _our_resp: Response
    :type without_content: bool
    """
    # Only cache GET method, and only when remote returns 200(OK) status
    if parse.method != 'GET' or _our_resp.status_code != 200:
        return

    dbgprint('PuttingCache:', url, "without_content:", without_content)

    if without_content:
        our_resp = copy.copy(_our_resp)
        our_resp.response = None # delete iterator
        obj_size = 0
    else:
```

```

    our_resp = _our_resp
    obj_size = len(parse.remote_response.content)

# requests' header are CaseInsensitive
last_modified = parse.remote_response.headers.get('Last-Modified', None)

cache.put_obj(
    url,
    our_resp,
    expires=get_expire_from_mime(parse.mime),
    obj_size=obj_size,
    last_modified=last_modified,
    info_dict={'without_content': without_content,
               'last_modified': last_modified,
               },
)

```

Example 28

Project: [zmirror](#) Author: [aploium](#) File: [zmirror.py](#) MIT License

5 vc

```

def response_cookies_deep_copy():
    """
    It's a BAD hack to get RAW cookies headers, but so far, we don't have better
    We'd go DEEP inside the urllib's private method to get raw headers

    raw_headers example:
    [('Cache-Control', 'private'),
     ('Content-Length', '48234'),
     ('Content-Type', 'text/html; Charset=utf-8'),
     ('Server', 'Microsoft-IIS/8.5'),
     ('Set-Cookie', 'BoardList=BoardID=Show; expires=Mon, 02-May-2016 16:00:00 GMT;
     ('Set-Cookie', 'aspsky=abcefg; expires=Sun, 24-Apr-2016 16:00:00 GMT; path=/;
     ('Set-Cookie', 'ASPSESSIONIDSCSSDSSQ=OGKMLAHDHBFDJCDMGBOAGOMJ; path=/'),
     ('X-Powered-By', 'ASP.NET'),
     ('Date', 'Tue, 26 Apr 2016 12:32:40 GMT')]

    """
    raw_headers = parse.remote_response.raw._original_response.headers._headers
    header_cookies_string_list = []
    for name, value in raw_headers:
        if name.lower() == 'set-cookie':
            if my_host_scheme == 'http://':
                value = value.replace('Secure;', '')
                value = value.replace(';Secure;', '')
                value = value.replace('; Secure;', '')
            if 'httponly' in value.lower():
                if enable_aggressive_cookies_path_rewrite:
                    # 暴力cookie path重写, 把所有path都重写为 /
                    value = regex_cookie_path_rewriter.sub('path=/', value)
                elif enable_aggressive_cookies_path_rewrite is not None:
                    # 重写HttpOnly Cookies的path到当前url下
                    # eg (/extdomains/a.foobar.com): path=/verify; -> path=/extdoma

                if parse.remote_domain not in domain_alias_to_target_set: # c
                    value = regex_cookie_path_rewriter.sub(
                        '\g<prefix>/extdomains/' + parse.remote_domain + '\g<
    header_cookies_string_list.append(value)
    return header_cookies_string_list

```

Example 29

Project: *zmirror* Author: *aploium* File: *zmirror.py* MIT License

5 vc

```
def crossdomain_xml():
    return Response("""<?xml version="1.0"?>
<!DOCTYPE cross-domain-policy SYSTEM "http://www.macromedia.com/xml/dtds/cross-don
<cross-domain-policy>
<allow-access-from domain="*" />
<site-control permitted-cross-domain-policies="all" />
<allow-http-request-headers-from domain="*" headers="*" secure="false" />
</cross-domain-policy>""", content_type='text/x-cross-domain-policy')
```

Example 30

Project: *Bluemix-ServiceBroker* Author: *IBM-Cloud* File: *bm-sample-broker.py* Apache License 2.0

5 vc

```
def provision(instance_id):
    # Provision an instance of this service for the org/space
    # as provided in the JSON data
    #
    # PUT /v2/service_instances/<instance_id>:
    #   <instance_id> provided by Bluemix Cloud Controller,
    #   used for future requests like bind, unbind and deprovision
    #
    # BODY:
    #   {
    #     "service_id":      "<service-guid>",
    #     "plan_id":         "<plan-guid>",
    #     "organization_guid": "<org-guid>",
    #     "space_guid":      "<space-guid>"
    #   }
    #
    # return:
    #   JSON document with service details

    if request.headers['Content-Type'] != 'application/json':
        abort(415, 'Unsupported Content-Type: expecting application/json')
    # get the JSON document in the BODY
    provision_details = request.get_json(force=True)

    # provision the service by calling out to the service itself
    # not done here to keep the code simple for the tutorial

    # return basic service information
    new_service={"dashboard_url": service_dashboard+instance_id}
    return jsonify(new_service)

#
# Deprovision
#
```

Example 31

Project: *Bluemix-ServiceBroker* Author: *IBM-Cloud* File: *bm-sample-broker.py* Apache License 2.0

5 vc

```
def bind(instance_id, binding_id):
    # Bind an existing instance with the given org and space
    #
    # PUT /v2/service_instances/<instance_id>/service_bindings/<binding_id>:
```

```

# <instance_id> is the Cloud Controller provided
# value used to provision the instance
# <binding_id> is provided by the Cloud Controller
# and will be used for future unbind requests
#
# BODY:
# {
#     "plan_id":          "<plan-guid>",
#     "service_id":       "<service-guid>",
#     "app_guid":         "<app-guid>"
# }
#
# return:
#     JSON document with credentials and access details
#     for the service based on this binding
#     http://docs.cloudfoundry.org/services/binding-credentials.html

if request.headers['Content-Type'] != 'application/json':
    abort(415, 'Unsupported Content-Type: expecting application/json')

# get the JSON document in the BODY
binding_details = request.get_json()

# bind would call the service here
# not done to keep our code simple for the tutorial

# return result to the Bluemix Cloud Controller
result={"credentials": {"uri": "testme"}}
return make_response(jsonify(result),201)

#
# Unbind
#

```

Example 32

Project: *Bluemix-ServiceBroker* Author: *IBM-Cloud* File: *bmx-sample-broker.py* Apache License 2.0

5 vc

```

def bind_service(instance_id, binding_id):
    if request.headers['Content-Type'] != 'application/json':
        abort(415, 'Unsupported Content-Type: expecting application/json')
    service_info={"instance_id" : instance_id, "binding_id" : binding_id}
    return jsonify(service_info)

#####
# Catch-all section - return HTML page for testing
#
#
#####

```

Example 33

Project: *PythonMicroservicesDevelopment_Code* Author: *mtianyan* File: *flask_middleware.py* Apache License 2.0

5 vc

```

def my_microservice():
    if "X-Forwarded-For" in request.headers:
        ips = [ip.strip() for ip in
            request.headers['X-Forwarded-For'].split(',')]

```

```

        ip = ips[1]
    else:
        ip = request.remote_addr

    return jsonify({'Hello': ip})

```

Example 34

Project: *restful-ben* Author: *CityOfPhiladelphia* File: [auth.py](#) [MIT License](#)

5 vc

```

def csrf_check(func):
    @wraps(func)
    def wrapper(*args, **kwargs):
        if request.method in ['GET', 'HEAD', 'OPTIONS'] or \
            (hasattr(current_user, 'token') and current_user.token.type != 'session'):
            return func(*args, **kwargs)

        if 'X-Requested-With' in request.headers:
            return func(*args, **kwargs)

        abort(401)
    return wrapper

```

Example 35

Project: *restful-ben* Author: *CityOfPhiladelphia* File: [auth.py](#) [MIT License](#)

5 vc

```

def get_ip(number_of_proxies):
    if 'X-Forwarded-For' in request.headers:
        path = request.headers.getlist("X-Forwarded-For")[0].rpartition(' ')
        if len(path) != number_of_proxies:
            abort(401)
        return path[-1]
    if number_of_proxies > 0:
        abort(401)
    return request.remote_addr

```

Example 36

Project: *restful-ben* Author: *CityOfPhiladelphia* File: [auth.py](#) [MIT License](#)

5 vc

```

def extract_token_str(self, request):
    token_str = None

    authorization_header = request.headers.get('Authorization')
    if authorization_header:
        token_str = authorization_header.replace('Bearer ', '', 1)
    elif self.cookie_name in request.cookies:
        token_str = request.cookies[self.cookie_name]

    return token_str

```

Example 37

Project: *botbuilder-python* Author: *microsoft* File: [bot_app.py](#) [MIT License](#)

5 vc

```

def messages(self) -> Response:
    """Main bot message handler that listens for incoming requests."""

    if "application/json" in request.headers["Content-Type"]:

```

```

        body = request.json
    else:
        return Response(status=415)

    activity = Activity().deserialize(body)
    auth_header = (
        request.headers["Authorization"]
        if "Authorization" in request.headers
        else ""
    )

    async def aux_func(turn_context):
        await self.bot.on_turn(turn_context)

    try:
        task = self.loop.create_task(
            self.adapter.process_activity(activity, auth_header, aux_func)
        )
        self.loop.run_until_complete(task)
        return Response(status=201)
    except Exception as exception:
        raise exception

```

Example 38

Project: *botbuilder-python* Author: *microsoft* File: *app.py* MIT License

5 vc

```

def messages():
    # Main bot message handler.
    if "application/json" in request.headers["Content-Type"]:
        body = request.json
    else:
        return Response(status=415)

    activity = Activity().deserialize(body)
    auth_header = (
        request.headers["Authorization"] if "Authorization" in request.headers
    )

    try:
        task = LOOP.create_task(
            ADAPTER.process_activity(activity, auth_header, BOT.on_turn)
        )
        LOOP.run_until_complete(task)
        return Response(status=201)
    except Exception as exception:
        raise exception

```

Example 39

Project: *adh6* Author: *bonnetn* File: *proxy.py* GNU General Public License v3.0

5 vc

```

def proxy(self, path: str, request: Request, tokens: dict) -> Tuple[str, int, dict]
    """
    :param path:
    :param request:
    :return: (content, status code, headers)
    """
    pass

```

Example 40


```

def answer(topic = None):
    """
    Main rendering function, it processes incoming weather queries.
    Depending on user agent it returns output in HTML or ANSI format.

    Incoming data:
        request.args
        request.headers
        request.remote_addr
        request.referrer
        request.query_string
    """

    user_agent = request.headers.get('User-Agent', '').lower()
    html_needed = is_html_needed(user_agent)
    options = parse_query(request.args)
    hostname = request.headers['Host']

    if request.headers.getlist("X-Forwarded-For"):
        ip = request.headers.getlist("X-Forwarded-For")[0]
        if ip.startswith('::ffff:'):
            ip = ip[7:]
    else:
        ip = request.remote_addr
    if request.headers.getlist("X-Forwarded-For"):
        ip = request.headers.getlist("X-Forwarded-For")[0]
        if ip.startswith('::ffff:'):
            ip = ip[7:]
    else:
        ip = request.remote_addr

    if topic is None:
        topic = ":firstpage"

    answer = cmd_wrapper(topic, hostname=hostname, request_options=options, html=i

    if ip not in SKIP_LOGGING_FOR_THIS_IPS:
        log_query(ip, hostname, topic, user_agent)
    return answer

```

Example 41

```

def openc2_aws_sg():
    if request.headers['Content-Type'] == 'application/json':
        cmd = parse(request.get_json())
        try:
            naclap = AWSNACL(**cmd)
        except Exception as e:
            resp = Response(status=400,
                            status_text="Invalid command format/arguments (%s)"%str(e))
            return resp.serialize()

        session = boto3.Session(profile_name=naclap.actuator.aws_account_id)
        ec2 = session.client('ec2', region_name=naclap.actuator.aws_region)

        try:
            if naclap.action == 'delete':

```

```

        data = ec2.delete_network_acl_entry(NetworkAclId=naclap.actuator.a
        Egress=naclap.clean(naclap.args.slpf.direction, {'ingress':Fal
        RuleNumber=naclap.target.slpf.rule_number)
    else:
        data = ec2.create_network_acl_entry(NetworkAclId=naclap.actuator.a
        Egress=naclap.clean(naclap.args.slpf.direction, {'ingress':Fal
        PortRange={'From': naclap.target.dst_port, 'To': naclap.targe
        Protocol=naclap.clean(naclap.target.protocol, {'tcp':6, 'udp':17
        RuleAction=naclap.action, RuleNumber=naclap.args.slpf.insert_r
except Exception as e:
    #todo: parse boto3 for http code and resp
    resp = Response(status=400,
        status_text=str(e))
    return resp.serialize()
else:
    resp = Response(status=200,
        results = {"x-aws-nacl":data})
    return resp.serialize()
else:
    resp = Response(status=425,
        status_text="Unsupported Media Type")
    return resp.serialize()

```

Example 42

Project: *aiolocust* Author: *kpidata* File: *testcases.py* MIT License

5 vc

```

def request_header_test():
    return request.headers["X-Header-Test"]

```

Example 43

Project: *aiolocust* Author: *kpidata* File: *testcases.py* MIT License

5 vc

```

def basic_auth():
    auth = base64.b64decode(request.headers.get("Authorization", "").replace("Bas
    if auth == "locust:menace":
        return "Authorized"
    resp = make_response("401 Authorization Required", 401)
    resp.headers["WWW-Authenticate"] = 'Basic realm="Locust"'
    return resp

```

Example 44

Project: *hooks* Author: *ddevault* File: *hooks.py* MIT License

5 vc

```

def hook_publish():
    raw = request.data.decode("utf-8")
    try:
        event = json.loads(raw)
    except:
        return "Hook rejected: invalid JSON", 400
    repository = "{}/{}/".format(event["repository"]["owner"]["name"], event["repos
    matches = [h for h in hooks if h.repository == repository]
    if len(matches) == 0:
        return "Hook rejected: unknown repository {}".format(repository)
    hook = matches[0]

    allow = False
    remote = request.remote_addr

```

```

if remote == "127.0.0.1" and "X-Real-IP" in request.headers:
    remote = request.headers.get("X-Real-IP")
for ip in hook.valid_ips.split(","):
    parts = ip.split("/")
    range = 32
    if len(parts) != 1:
        range = int(parts[1])
    addr = networkMask(parts[0], range)
    if addressInNetwork(dottedQuadToNum(remote), addr):
        allow = True
if not allow:
    return "Hook rejected: unauthorized IP", 403

if any("[noupdate]" in c["message"] for c in event["commits"]):
    return "Hook ignored: commit specifies [noupdate]"

if "refs/heads/" + hook.branch == event["ref"]:
    print("Executing hook for " + hook.name)
    p=Popen(hook.command.split(), stdin=PIPE)
    p.communicate(input=raw.encode())
    return "Hook accepted"

return "Hook ignored: wrong branch"

```

Example 45

Project: *flask-proxy* Author: *mecforlove* File: [__init__.py](#) BSD 2-Clause "Simplified" License

5 vc

```

def as_view(cls):
    def _view(*args, **kwargs):
        host = cls._get_attr(cls.host)
        scheme = cls._get_attr(cls.scheme, 'http')
        params = cls._get_attr(cls.params)
        port = cls._get_attr(cls.port, 80)
        timeout = cls._get_attr(cls.timeout)
        method = request.method
        uri = request.url.split(cls.prefix, 1)[1]
        base_url = '%s://%s:%s' % (scheme, host, port)
        url = base_url + uri
        headers = dict(request.headers)
        # Change `Host` in request header.
        headers['Host'] = host
        resp = requests.request(
            method,
            url,
            params=params,
            headers=headers,
            data=request.get_data(),
            stream=True,
            timeout=timeout)
        # Remove some response headers.
        excluded_headers = [
            'content-length', 'transfer-encoding', 'connection'
        ]
        for h in excluded_headers:
            if h in resp.headers:
                resp.headers.pop(h)
        return Response(resp.raw.read(), resp.status_code,
                        dict(resp.headers))

    return _view

```

Example 46

Project: *orcid-service* Author: *adsabs* File: [views.py](#) MIT License

5 vc

```
def orcid_profile_local(orcid_id, type):
    '''Get /[orcid-id]/orcid-profile/<simple,full> - returns either bibcodes and s
    records and saved metadata (/full) - all communication exclusively in JSON'''

    payload, headers = check_request(request)
    update = request.args.get('update', False)
    if type not in ['simple', 'full']:
        return json.dumps('Endpoint /orcid-profile/%s does not exist'.format(type))

    r = current_app.client.get(current_app.config['ORCID_API_ENDPOINT'] + '/' + or
                              headers=headers)

    if r.status_code == 200:
        update_profile_local(orcid_id, data=r.text, force=update)
    else:
        logging.warning('Failed fetching fresh profile from ORCID for %s'.format(c

with current_app.session_scope() as session:
    profile = session.query(Profile).filter_by(orcid_id=orcid_id).first()
    if type == 'simple':
        bibcodes, statuses = profile.get_bibcodes()
        records = dict(zip(bibcodes, statuses))
    elif type == 'full':
        records = profile.get_records()

    return json.dumps(records), 200
```

Example 47

Project: *orcid-service* Author: *adsabs* File: [views.py](#) MIT License

5 vc

```
def orcid_work_add_single(orcid_id):
    '''Get/Set /[orcid-id]/orcid-works - all communication exclusively in JSON'''

    payload, headers = check_request(request)

    r = current_app.client.post(current_app.config['ORCID_API_ENDPOINT'] + '/' + c
                              json=payload, headers=headers)
    update_profile(orcid_id)

    return r.text, r.status_code
```

Example 48

Project: *orcid-service* Author: *adsabs* File: [views.py](#) MIT License

5 vc

```
def get_profile(orcid_id):
    '''Fetches the latest orcid-profile'''
    with current_app.session_scope() as session:
        u = session.query(User).filter_by(orcid_id=orcid_id).first()
        if not u:
            return json.dumps({'error': 'We do not have a record for: %s' % orcid_

        if not u.access_token:
            return json.dumps({'error': 'We do not have access_token for: %s' % or

    out = u.toJSON()
```

```

payload = dict(request.args)
if payload.get('reload', False):
    h = {
        'Accept': 'application/json',
        'Authorization': 'Bearer %s' % u.access_token,
        'Content-Type': 'application/json'
    }

    r = current_app.client.get(current_app.config['ORCID_API_ENDPOINT'] +
                               headers=h)
    if r.status_code == 200:
        # update our record (but avoid setting the updated date)
        j = r.json()
        session.begin_nested()
        try:
            u.profile = json.dumps(j)
            session.add(u)
            session.commit()
            out['profile'] = j
        except exc.IntegrityError as e:
            session.rollback()
        # per PEP-0249 a transaction is always in progress
        session.commit()
    else:
        raise Exception('Orcid API returned err code (refreshing profile)'

return json.dumps(out), 200

```

Example 49

Project: *orcid-service* Author: *adsabs* File: [views.py](#) MIT License

5 vc

```

def update_stored_profile(orcid_id):
    '''Updates profile in orcid-service before processing'''

    with current_app.session_scope() as session:
        u = session.query(User).filter_by(orcid_id=orcid_id).first()
        if not u:
            return json.dumps({'error': 'We do not have a record for: %s' % orcid_id})

        if not u.access_token:
            return json.dumps({'error': 'We do not have access_token for: %s' % orcid_id})

        token = u.access_token

        headers = {
            'Accept': 'application/json',
            'Authorization': 'Bearer %s' % token,
            'Content-Type': 'application/json'
        }

        r = current_app.client.get(current_app.config['ORCID_API_ENDPOINT'] + '/' +
                                   headers=headers)

        if r.status_code == 200:
            update_profile_local(orcid_id, data=r.text, force=True)
        else:
            logging.warning('Failed fetching fresh profile from ORCID for %s'.format(orcid_id))

    profile = session.query(Profile).filter_by(orcid_id=orcid_id).first()
    records = profile.get_records()

```

```
return json.dumps(records), 200
```

Example 50

Project: *orcid-service* Author: *adsabs* File: [views.py](#) MIT License

5 vc

```
def orcid_name(orcid_id):
    '''Get name from ORCID profile'''

    payload, headers = check_request(request)

    r = current_app.client.get(current_app.config['ORCID_API_ENDPOINT'] + '/' + or
                              headers=headers)

    return r.text, r.status_code
```