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# Drupal 8/9 and Guzzle HTTP client library

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Making a simple HTTP Get request in Drupal 8 or 9 is super easy thanks to the Guzzle library. This library has been added to Drupal core a long time ago, and it replaced the much less powerful *drupal\_http\_request()* function. Let's see how to get some data from the Star Wars API:

```
use GuzzleHttp\Client;
use GuzzleHttp\Exception\RequestException;

$client = new Client();
$people = [];

try {
    $response = $client->get('https://swapi.dev/api/people');
    $result = json_decode($response->getBody(), TRUE);
    foreach($result['results'] as $item) {
        $people[] = $item['name'];
    }
}
catch (RequestException $e) {
    // log exception
}
```

Guzzle can also be accessed through the **http\_client** service and the helper method:

```
$client = \Drupal::httpClient();
```

Sending a POST request is also simple and easy.

```

public function sendOrder(OrderInterface $order) {
    try {
        $response = $this->httpClient->post($url, [
            'form_params' => $data,
        ]);
        $response_data = json_decode($response->getBody()->getContents(), TRUE);

        // do something with data
    }
    catch (RequestException $e) {
        // log exception
    }
}

```

If you want to log the exception don't use `$e->getMessage()` because the error message will be truncated. Instead, use this:

```

$e->getResponse()->getBody()->getContents();

```

You can also use Guzzle to send files. To send an image file you can do something like this:

```

try {
    $client = new Client(['headers' => ['X-Auth-Secret-Token' => 'my-secret-token']]);
    $options = [
        'multipart' => [
            [
                'Content-type' => 'multipart/form-data',
                'name' => 'image',
                'contents' => fopen($image->getUri(), 'r'),
                'filename' => basename($image->getUri()),
            ],
        ],
    ];
    $response = $client->post($api_base_url . 'api/v1/images', $options);
}
catch (\Exception $e) {
    // log exception
}

```

In this case, the **\$image** variable is an instance of *Drupal\file\Entity\File* class.

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