

# Flask blueprint static directory does not work?

Asked 9 years, 5 months ago   Modified 1 year, 4 months ago   Viewed 34k times

▲ According to the Flask readme, blueprint static files are accessible at `blueprintname/static`. But for some reason, it doesn't work.

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▼ My blueprint is like this:

- `app/frontend/views.py` :

```
frontend = Blueprint('frontend', __name__,
                    template_folder='templates',
                    static_folder='static')

@frontend.route('/') etc...
```

- `app/frontend/js/app.js` : my javascript
- Blueprint registered in Flask app (routes work and everything)

When I go to `abc.com/frontend/static/js/app.js`, it just gives a 404.

When I follow the Flask readme to get my static files:

```
<script src="{url_for('frontend.static', filename='js/app.js')}}"></script>
```

The output is

```
<script src="/static/js/app.js"></script>
```

Which doesn't work either. There's nothing in my root `app/static/` folder.

I can't access any static files in my blueprint! Flask read me says that it should work!

```
admin = Blueprint('admin', __name__, static_folder='static')
```

By default the rightmost part of the path is where it is exposed on the web. Because the folder is called static here it will be available at the location of the blueprint + /static. Say the blueprint is registered for /admin the static folder will be at /admin/static.

python flask

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edited May 30, 2019 at 16:10

asked Mar 3, 2014 at 17:08



Martin Thoma

125k 159 612 957



Patrick Yan

2,288 5 25 33

1 How did you register your Blueprint with the app? – Martijn Pieters ♦ Mar 3, 2014 at 17:10

1 Also worth noting, you will need to have your JS file at `app/frontend/static/js/app.js` rather than `app/frontend/js/app.js` (note the inclusion of a `static` folder in your file path). – Sean Vieira Mar 3, 2014 at 17:27

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## 6 Answers

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I include an argument to the `static_url_path` parameter to ensure that the Blueprint's static path doesn't conflict with the static path of the main app.

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e.g:

```
admin = Blueprint('admin', __name__, static_folder='static', static_url_path='/static/admin')
```



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answered Mar 3, 2014 at 17:14



brasqueychutter

518 6 6



10 I actually had to do `static_url_path='/admin/static'` instead of `/static/admin` – Clint Apr 8, 2019 at 1:11

Ty 4 `static_url_path`. For main `static`: `static_url_path='../static/'` – Milovan Tomašević Sep 11, 2021 at 8:35

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You probably registered your Blueprint to sit at the root of your site:

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```
app.register_blueprint(core, url_prefix='')
```



but the `static` view in the Blueprint is no different from all your other Blueprint views; it uses that `url_prefix` value to make the URL unique.



The `core static` view is *also* active, so you now have two routes that want to handle `/static/` URLs. So if you are registering your Blueprint without a URL prefix, you have to give one of these two a unique path.

Either give the Blueprint a custom `static_url_path` value, or the core Flask `app`.

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answered Mar 3, 2014 at 17:15



Martijn Pieters ♦

- 2 Thanks, this was unclear in the read me. Thinking of static as just another routed URL makes sense. It's just problematic because the default behavior of both the Blueprint and the core Flask app are to use `/static/`. - [Patrick Yan](#) Mar 3, 2014 at 19:09

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It worked for me by initializing blueprint like this:

```
configuration = Blueprint('configuration', __name__, template_folder='templates', static_folder='static')
```

Then referencing to static file like this

```
href="{{ url_for('.static', filename='css/base.css') }}"
```

There is a dot before static in href.

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edited Feb 27, 2020 at 22:13

 [n00dle](#)  
5,939 2 35 48

answered Mar 2, 2018 at 10:45

 [Haseeb Mazhar Ranga](#)  
555 1 5 16

works with charm, but i am still confused with Flask. Can you suggest a good read? - [s\\_mj](#) Nov 28, 2018 at 10:57

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I am using Flask blueprints.

My web app [Attendance Manager](#) has three types of users, admin, teacher and student.

Here is how a part of the file structure looks:

```
+---app.py
|
|
+---student
|   |   student.py
|   |   __init__.py
|   |
|   +---static
|   |   +---css
|   |       login-page.css
|   |       signup-page.css
|   |
|   \---js
|       firebaseConfig.js
```

```
| +---templates
| |     base.html
| |     student-login-page.html
| |     student-signup-page.html
```

app.py:

```
app.register_blueprint(student, url_prefix='/student')
```

student.py:

```
student = Blueprint('student', __name__, static_folder='static', template_folder='template')
```

student-login-page.html:

```
<link rel="stylesheet" type="text/css" href="{{ url_for('student.static', filename='css/lo
```

Adding 'the\_name\_of\_the\_blueprint.static' to the first parameter of url\_for() in the student-login-page.html (or wherever you are linking your css) helped me resolve the problem.

Found the solution [here](#), in the official docs.

[This](#) GitHub issue or [this](#) Reddit post might help you if this did not resolve your problem.

All the best!

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answered Jun 14, 2020 at 19:34



Harsh Kapadia

61 ● 2 ● 3

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I'm a little late, but none of the previous answers did really help me in achieving what I needed. I found out that I needed to do a bit of "tricks" to make the module's static folder work as I intended. My application is composed of several modules, but for now just pretend we had "application" as the main application folder and "locations" as the module's folder where a local "static" directory is placed (where we need to load static files for this module). The following is what I did:

1. In the main application's `__init__.py` file I added `url_prefix='/'` to my Blueprint's definition
2. In my module's `routes.py` file I used both static parameters: `static_folder='static'` and `'static_url_path='/locations/static'` to declare the Blueprint
3. In the html template (which extends a template in the main application's folder), I used the following to retrieve the path to the static css file: `{{url_for('locations_bp.static', filename='css/style.css')}} (locations_bp is my Blueprint's name for "locations" module)`



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