

justinmklam / flask-port80-without-sudo.md

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Run a flask app on port 80 without sudo.

📄 flask-port80-without-sudo.md

Flask apps are bound to port 5000 by default. To bind it to port 80, you would need to change the port as follows:

```
if __name__ == '__main__':  
    app.run(host='0.0.0.0', port=80, debug=True)
```

And to run it:

```
# The normal invocation, but with a permission denied error (since port 80  
python3 app.py
```

```
# Works, but dangerous to run python as sudo  
sudo python3 app.py
```

A better option is to use `authbind`:

```
sudo apt install authbind
```

```
# Configure access to port 80  
sudo touch /etc/authbind/byport/80  
sudo chmod 777 /etc/authbind/byport/80
```

And to run the app:

```
# The deep argument enables port binding permissions for the program being  
authbind --deep python3 app.py
```