

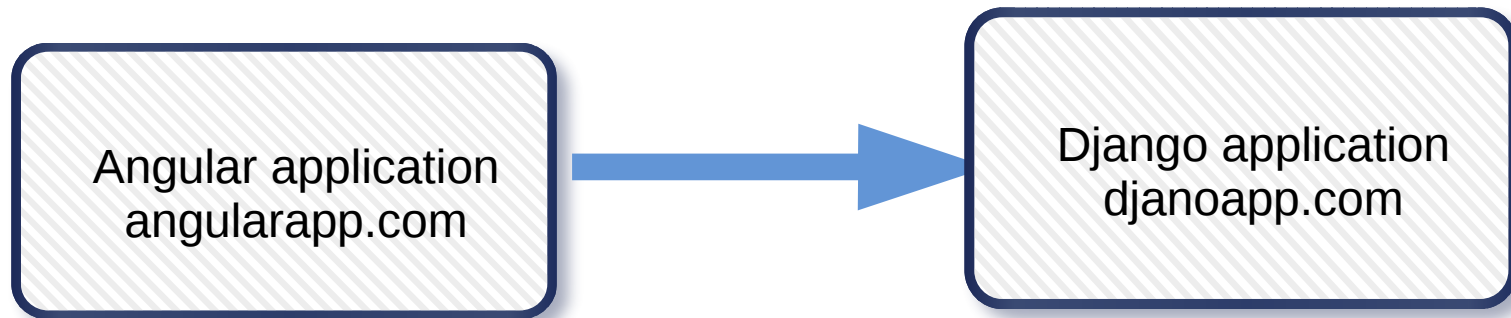
Django & CORS

Challenges and Learnings

What is CORS

- Cross origin resource sharing
- Domain angularapp.com requests data from domain djangoapp.com
- Browser cries foul play – this violates same origin policy
- Support for CORS is added to djangoapp.com
- On every request djangoapp.com sends some special headers which allows abc.com to access data

Demo Code architecture



- angularapp.com used to visualize data
- djanoapp.com contains the data

Django and CORS

- Django-cors-headers library
- How does this library work?
- Static files over CORS.. OOPS django-cors-headers does not work for that.. But WHY?
- One possible solution serve static files from nginx and add CORS support to nginx

CSRF middleware and CORS

- How Django CSRF works?
- Issues with Django CSRF and CORS
- What these error messages mean?

`REASON_NO_REFERERER = "Referer checking failed - no Referer."`

`REASON_BAD_REFERERER = "Referer checking failed - %s does not match %s."`

`REASON_NO_CSRF_COOKIE = "CSRF cookie not set."`

`REASON_BAD_TOKEN = "CSRF token missing or incorrect."`

- Django + HTTPS + CORS

Browser Issues

- Third party cookies enabled?
- CORS and not so well behaved browsers
- Including the xdomain library in your django server

Questions?

Thank You!