How to

Protect Sensitive Information In Django

Introduction...

Django is a very secure back-end framework that already comes with a set of built-in security functionalities. We can then tweak these functionalities to optimise the safety of our Django web application.

1. Set DEBUG to FALSE for production :

Always set DEBUG to False in production hence, it will leaks the sensitive information like application endpoints and other debug level informations.

```
DEBUG = FALSE
```

2. Use Environment Variables:

Always use .env file to store your sensitive informations like database credentials, api keys etc.

```
pip install python-dotenv
```

Use this package to hide the sensitive informations

3. Use sensitive_variables decorator:

If you are storing the sensitive variables in view function, mark those variables as a sensitive variables, so that Django knows to not show these variables during error handling.

```python
from django.views.decorators.debug import sensitive_variables

@sensitive_variables('api_key')
def process_payment(request):
    api_key = settings.API_KEY
```

4. Use sensitive post parameters:

If some sensitive information is being passed from post request, must add those variables to sensitive post parameters decorators

```
from django.views.decorators.debug import
sensitive_post_parameters

@sensitive_post_parameters('cvc', 'pin')
def process_payment(request):
    cvc_number = request.POST['cvc'],
    pin_number = request.POST['pin'],
```

5. Change the default admin URL:

Make sure to change the default admin url to something unique, never keep it same.

```python
from django.contrib import admin
from django.urls import path

urlpatterns = [
    path('my-secret-admin-url/', admin.site.urls),
]
```

Of course, there are many more ways to protect the sensitive information of your django application, but make sure you have to must use these ways to protect your sensitive information

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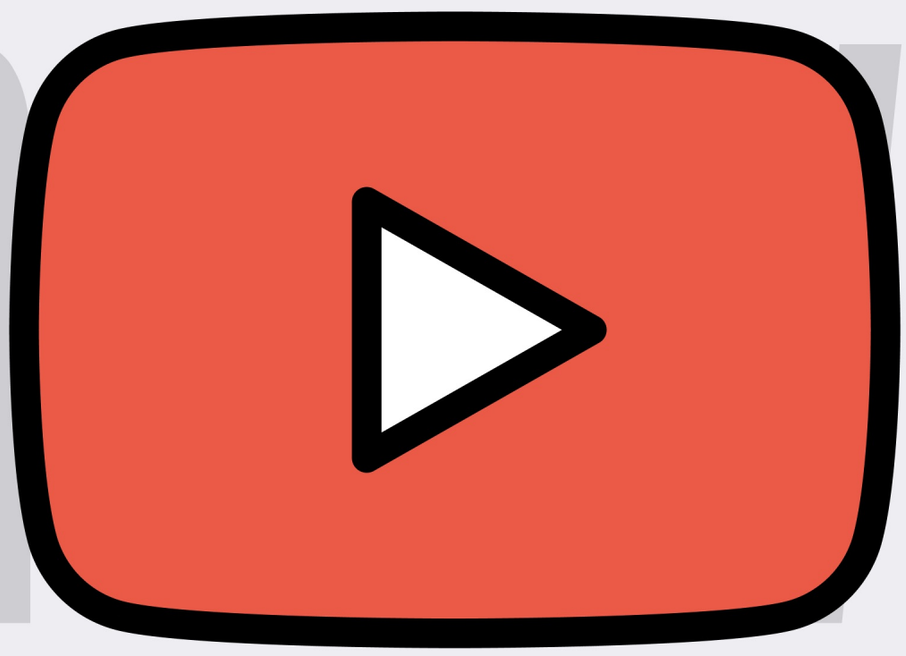

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