

Title: Resolving SMTP Error in Django 4.1 with Python 3.12

Introduction

This document provides a solution to an SMTP backend error encountered with Django 4.1.x when using Python 3.12.

Problem Description

An SMTP error occurred due to the removal of keyfile and certfile parameters in Python 3.12. The error message observed was related to sending emails with the SMTP backend.

Solution

1. Option 1: Upgrade Django

- Upgrade to Django 4.2.x to resolve the issue.
- Command: `pip install django==4.2`

2. Option 2: Modify smtp.py File

- Download the updated `smtp.py` file from [Django GitHub Repository](https://github.com/django/django/blob/main/django/core/mail/backends/smtp.py) Django's GitHub repository.

<https://github.com/django/django/blob/main/django/core/mail/backends/smtp.py>

- Add smtp code into this location

`venv/lib/python3.12/site-packages/django/core/mail/backends/smtp.py`

- Replace the existing `smtp.py` file in your Django installation directory with the updated version.

Verification

After applying the solution, test the SMTP functionality to ensure emails are sent successfully.

Conclusion

This document outlines two solutions for resolving the SMTP error: upgrading Django or modifying the `smtp.py` file.