1. Install Django – only 2.1 supported
2. Create your Django project (startproject, startapp)
3. Install all required packages
4. pip freeze > requirements.txt
5. mkdir .ebextensions (same dir as manage.py)
   1. touch django.config (specific settings)
      1. Settings
         1. Set Python container to use specific WSGI file
   2. touch db-migrate.config (commands that automatically run on deployment)
      1. Commands
         1. Migrations
         2. Collect static files
         3. (for SQLite only – if you want to create database from scratch) Change access permissions of db.SQLite3 to rwx
         4. (for SQLite – if you want to create database from scratch AND postgresql) Create superuser using custom command (management folder stored in some app)
         5. (for DRF – API calls with headers) Set WSGIPassAuthorization to on in wsgi.conf
      2. Settings
         1. Set environment to use specific Django settings file
6. If using SQLite – locally and remote – you have two options
   1. Create database locally and upload it directly
      1. The app will directly use the database you upload without any issues
      2. Can create superuser directly, no need for custom command
   2. Delete migrations folder and database, and upload
      1. The makemigrate and migrate command will run and create a database from scratch
      2. rwx permissions of the created db.SQLite3 file need to be changed
7. eb init -I (creates application)
   1. Enable SSH for debugging later
8. eb create (creates environment)
9. eb status
10. Copy CNAME
11. Paste CNAME value into ALLOWED\_HOSTS
12. eb deploy
13. eb open
14. (optional) VPC settings
    1. Inbound Rules
15. Keep in mind, every deploy – regenerated SQLite db

For postgreql

1. Go to Configurations of the created environment
2. Go to Databases and click Modify
3. Create a new postgresql database – RDS instance (this is automatically linked to your environment)
4. Change settings.py (if/else – depending upon os.environ)
5. migrate and createsu are required in this case, because you cannot upload database with superuser created manually
6. eb deploy
7. Will automatically connect your app to RDS instance
8. To access Postgresql db locally –
   1. VPC settings (allow me)
   2. Copy the RDS instance link
   3. Open pgAdmin
   4. Create new server
   5. Paste link, enter username and password
   6. Should be accessible