

DISCRIPTION :

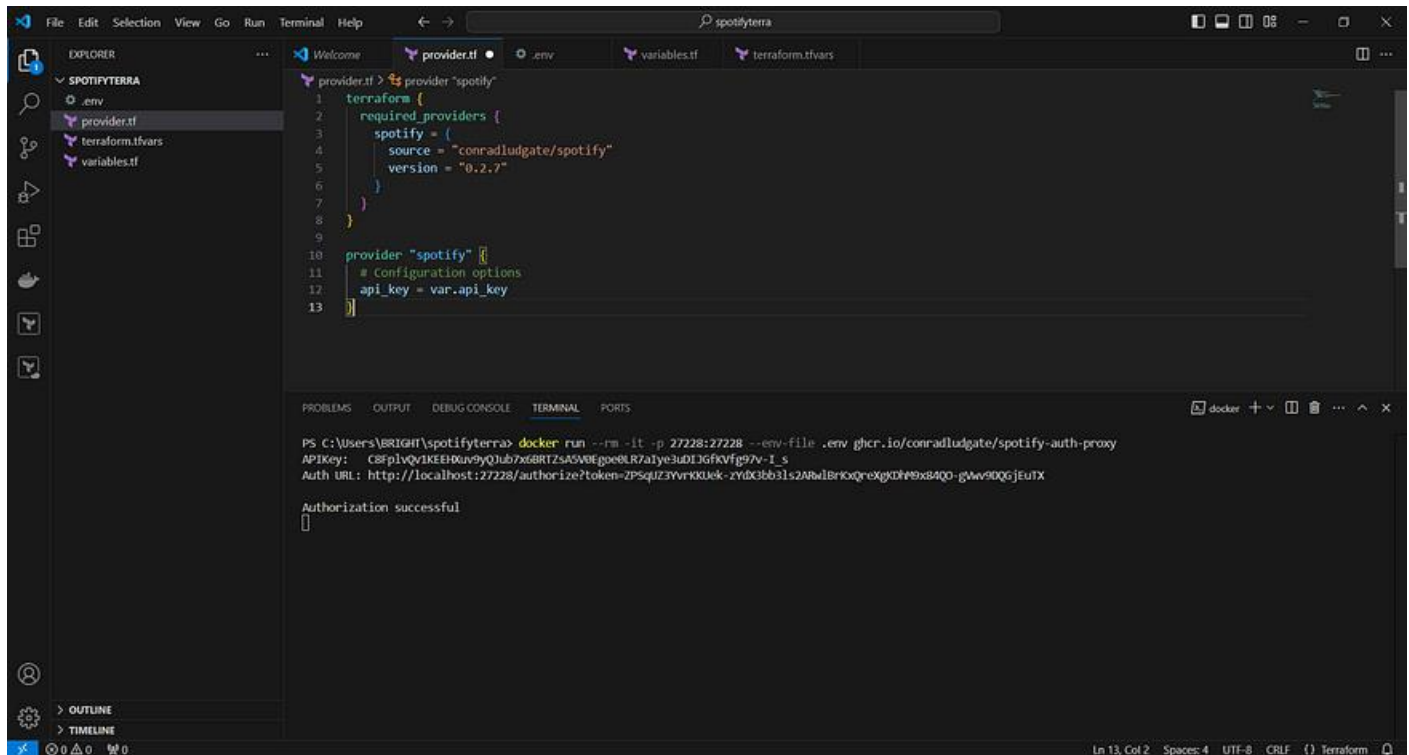
Developed and deployed a system for creating and managing multiple Spotify playlists using Terraform. This project leveraged Terraform's infrastructure as code (IaC) capabilities to automate interactions with the Spotify API, enabling efficient playlist management.

Technologies Used:

- **Terraform:** Utilized for automating the creation and management of multiple Spotify playlists, allowing for efficient and scalable playlist operations.
- **Spotify API:** Integrated with the API to perform various playlist management tasks, including creation, updates, and retrieval of playlist data.
- **Docker:** Containerized the application to ensure consistency across development and production environments.
- **OAuth2:** Implemented for secure authentication and authorization with Spotify's API.
- **Git:** Employed for version control, tracking changes, and collaborative development.

Key Achievements:

- Successfully automated the creation and management of multiple Spotify playlists using Terraform.
- Enhanced efficiency by reducing the need for manual intervention in playlist management.
- Ensured secure and seamless API interactions through OAuth2 authentication.



The screenshot displays the Visual Studio Code interface with a Terraform configuration file open. The Explorer sidebar on the left shows a project named 'SPOTIFYTERRA' with files: '.env', 'provider.tf', 'terraform.tfvars', and 'variables.tf'. The main editor window shows the 'provider.tf' file with the following content:

```
1 provider "spotify"
2 {
3   terraform {
4     required_providers {
5       spotify = {
6         source = "conradludgate/spotify"
7         version = "0.2.7"
8       }
9     }
10  }
11  provider "spotify" {
12    # Configuration options
13    api_key = var.api_key
14  }
```

Below the editor, the TERMINAL panel shows the command execution and its output:

```
PS C:\Users\BRIGHT\spotifyterra> docker run --rm -it -p 27228:27228 --env-file .env ghcr.io/conradludgate/spotify-auth-proxy
APIKey: C8fplvqv1KEE1Dun9yQ1ub7x68RTZsASv8Egpe0LR7a1ye3uDI3GfKvfg97v-1_s
Auth URL: http://localhost:27228/authorize?token=ZPSqUz3Yv10XUek-zYdC3bb3ls2Hw1BrK0qreXg0XfH0x84Q0-gWw9DQ6jEuTX
Authorization successful
[]
```

The status bar at the bottom indicates 'Ln 13, Col 2', 'Spaces: 4', 'UTF-8', 'CRLF', and '(1) Terraform'.

