

New Moon Notifier

This project is a template for deploying a binary package to NetDaemon. It includes a NewMoonNotifier app that sends notifications about the next new moon using Home Assistant and NetDaemon.

For more details, see the [NewMoonNotifier.cs](#) file.

Features

- Sends WhatsApp messages when the next new moon is within 72 hours.
- Updates Home Assistant sensors with the time remaining until the next new moon.
- Sends persistent notifications with information about the next new moon.

Getting Started

Please see [netdaemon.xyz](#) for more information about getting started with developing apps for Home Assistant using NetDaemon.

Prerequisites

- .NET 9 SDK
- Docker
- Home Assistant
- NetDaemon

Setup

1. Clone the repository:

```
git clone <repository-url>  
cd HomeAssistant
```

2. Restore the .NET dependencies:

```
dotnet restore
```

3. Build the project:

```
dotnet build
```

4. Publish the project:

```
dotnet publish -c Release -o ./publish
```

5. Build the Docker image:

```
docker build -t newmoonnotifier:latest .
```

6. Run the Docker container:

```
docker run -d --name newmoonnotifier newmoonnotifier:latest
```

Using the Code Generator

Please add code generation features in

`program.cs`

when using code generation features by removing comments.

See [NetDaemon Code Generator](#) for more details.

Issues

- If you have issues or suggestions for improvements to this template, please [add an issue](#).
- If you have issues or suggestions for improvements to NetDaemon, please [add an issue](#).

Discuss the NetDaemon

Community and Support

Join the conversation and get support from the NetDaemon community. Share your experiences, ask questions, and help others by participating in discussions.

Please [join the Discord server](#) to get support or if you want to contribute and help others.

Code Overview

[program.cs](#)

The entry point of the application. It sets up the NetDaemon host and registers the [NewMoonNotifier.cs](#) app.

[NewMoonNotifier.cs](#)

Contains the [NewMoonNotifier.cs](#) class, which is responsible for:

- Sending WhatsApp messages when the next new moon is within 72 hours.

- Updating Home Assistant sensors with the time remaining until the next new moon.
- Sending persistent notifications with information about the next new moon.

build.ps1

A PowerShell script to automate the build and deployment process. It:

1. Navigates to the project directory.
2. Runs `dotnet build`.
3. Runs `dotnet publish`.
4. Builds the Docker image.
5. Stops and removes any existing Docker container.
6. Runs a new Docker container.

Dockerfile

Defines the Docker image for the project. It:

1. Uses the .NET 9 SDK to build the project.
2. Publishes the project to a folder.
3. Uses the .NET 9 ASP.NET runtime to run the published project.

License

This project is licensed under the MIT License. See the LICENSE file for details.

Configuration

Create a file named `appsettings.Development.json` in the App directory with the following content:

```
{
  "HomeAssistant": {
    "Host": "homeassistant.local",
    "Port": 8123,
    "Ssl": false,
    "Token": "your_home_assistant_long_lived_access_token"
  }
}
```