Free TON .NET Notification Provider

An application for Free TON event monitoring. Listens to Kafka queue and passes information to a consumer w
ebhook.

Benefits

- Can be hosted in Azure Functions which brings to you a lot of bonuses like:
  - High availability
  - Vertical / Horizontal scaling
  - Cheap prices (no need to host whole server)
  - Different distribution channel support like APNS / FCM etc
- Easy deploy using Azure Resource Manager (ARM) templates

Technology stack

- Azure Table Storage - for information storage
- Polly - to retry failed messages
- Azure Functions (Kafka consumer & Http listeners)

Development

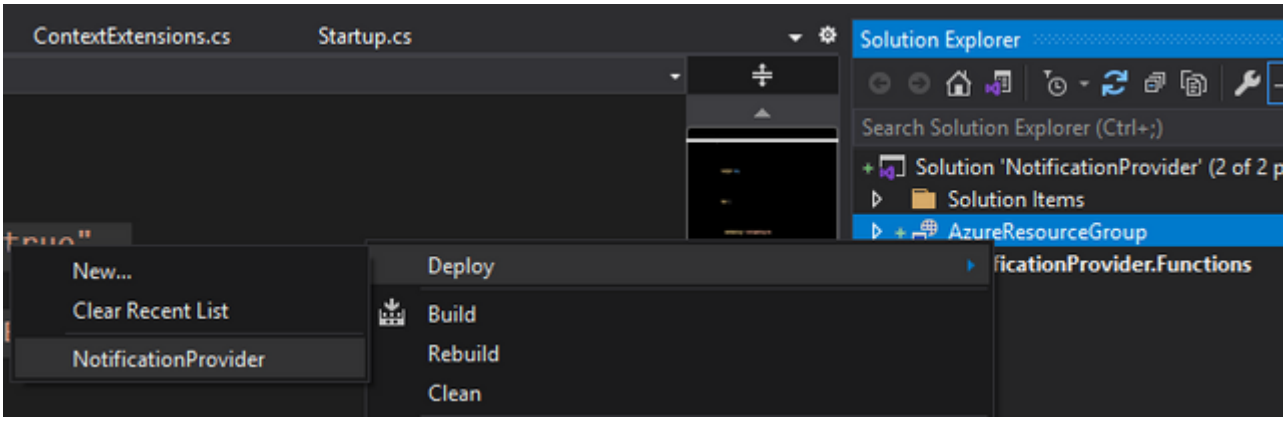
Setup local environment

- Create file `NotificationProvider.Functionslocal.settings.json` if it doesn't exists
- Put `AzureTableStorage_ConnectionString` and `KAFKA_PASS` under `Values` section, like:

```
{
  ...
  "Values": {
    ...
    "AzureTableStorage_ConnectionString": "DefaultEndpointsProtocol=https;AccountNam
    "KAFKA_PASS": "S0m3str0ngP4sSw0rd"
}
```

Setup cloud environment (via Visual Studio)

- Open `NotificationProvider.sln` in Visual Studio
- Right click on `AzureResourceGroup` project -> Deploy



- Fill in necessary information

Test instruction for jury

- First of all, enter in the notification debot, deploy all necessary contracts and get the secret keypair. Save it for later.
- Then setup rules using `Set rules` button (put yours address there)
- Afterwards press `Send callbackUrl | deviceToken to provider`
- Choose provider with ID = “imsg”
- Send webhook url `https://freeton.org` (All urls should be verified, you can test this functionality if you want but I have made 1 exception url = “https://freeton.org”, if you will enter this address, service will ignore “verification” process and will allow to receive notification without verification)
- Ok, now all seems to be configured and we may trigger an event by sending some rubies to our own wallet
- Verify on a www.freeton.live that your message appears in a list and if you wish, you can try to decrypt it with a keypair from first step.

Contacts

Telegram
GitHub Repository