Example migrations

dotnet ef

- First you need to have installed EF Core tools. Run the following command to install them:

```
dotnet tool install --global dotnet-ef
```

- Open a terminal and navigate to the **Harmony.Persistence** root folder
- Select a database provider and configure the connection strings in the appsettings.json files for Harmony.Api, Harmony.Automations & Harmony.Notification projects.

Examples:

```
  "DatabaseProvider": "PostgreSQL",
  "ConnectionStrings": {
    "HarmonyConnection":
"Host=localhost;Database=Harmony;Username=postgres;Password=MySuperSecretPassword"
  },
```

```
  "DatabaseProvider": "SqlServer",
  "ConnectionStrings": {
    "HarmonyConnection": "Server=.;Database=Harmony;Integrated
Security=True;TrustServerCertificate=True"
  },
```

- Based on your database provider, apply the alrealdy existing migrations

SQL Server

Apply migrations

```
dotnet ef database update --context HarmonyContext --startup-project
"../../Services/Harmony.Api/Harmony.Api.csproj" -- --DatabaseProvider SqlServer
```

Adding migrations (required only for new development)

```
dotnet ef migrations add Initial -o HarmonyContextMigrations --context
HarmonyContext --project ../Harmony.Persistence.Migrations.SqlServer --startup-
project "../../Services/Harmony.Api/Harmony.Api.csproj" -- --DatabaseProvider
SqlServer
```

```
dotnet ef migrations add Initial -o AutomationContextMigrations --context
AutomationContext --project ../Harmony.Persistence.Migrations.SqlServer --startup-
project "../../Services/Harmony.Automations/Harmony.Automations.csproj" -- --
DatabaseProvider SqlServer
```

```
dotnet ef migrations add Initial -o NotificationContextMigrations --context
NotificationContext --project ../Harmony.Persistence.Migrations.SqlServer --
startup-project
"../../Services/Harmony.Notifications/Harmony.Notifications.csproj" -- --
DatabaseProvider SqlServer
```

PostgreSQL

Apply migrations

```
dotnet ef database update --context HarmonyContext --startup-project
"../../Services/Harmony.Api/Harmony.Api.csproj" -- --DatabaseProvider PostgreSQL
```

Adding migrations (required only for new development)

```
dotnet ef migrations add Initial -o HarmonyContextMigrations --context
HarmonyContext --project ../Harmony.Persistence.Migrations.PostgreSql --startup-
project "../../Services/Harmony.Api/Harmony.Api.csproj" -- --DatabaseProvider
PostgreSQL
```

```
dotnet ef migrations add Initial -o AutomationContextMigrations --context
AutomationContext --project ../Harmony.Persistence.Migrations.PostgreSql --
startup-project "../../Services/Harmony.Automations/Harmony.Automations.csproj" --
--DatabaseProvider PostgreSQL
```

```
dotnet ef migrations add Initial -o NotificationContextMigrations --context
NotificationContext --project ../Harmony.Persistence.Migrations.PostgreSql --
startup-project
"../../Services/Harmony.Notifications/Harmony.Notifications.csproj" -- --
DatabaseProvider PostgreSQL
```