建议用EF core cli来实现数据库更新操作，考虑EF core cli的安装步骤会随着版本更新而发生变化，所以并没把配置过程写在这里

但是需要注意的是，jenkins 执行自动化部署脚本的时候执行到 dotnet ef database update 命令时

如果出现了：

Could not execute because the specified command or file was not found.

Possible reasons for this include:

  \* You misspelled a built-in dotnet command.

  \* You intended to execute a .NET Core program, but dotnet-xyz does not exist.

  \* You intended to run a global tool, but a dotnet-prefixed executable with this name could not be found on the PATH.

但是通过Xshell 在项目中执行该命令依然生效且成功执行，说明jenkins在执行脚本时候无法导入dotnet ef 的环境变量，所以会出现以上信息

通过配置环境变量可以解决该问题，代码如下

export PATH="$PATH:/root/.dotnet/tools"

微软官方文档相关异常的排查手段连接如下：

<https://docs.microsoft.com/zh-cn/dotnet/core/tools/troubleshoot-usage-issues>

整体执行脚本如下：

dotnet restore

dotnet build

dotnet publish

cd WebApi

export PATH="$PATH:/root/.dotnet/tools"

dotnet ef database update

cd bin/Debug/netcoreapp3.1/publish/

docker images -q --filter=reference='app:app'| grep -q . && docker rmi app:app

docker build -t app .

docker ps -q --filter "name=appcontainer" | grep -q . && docker stop appcontainer && docker rm -fv appcontainer

docker run --name appcontainer -d -p 5050:80 app