# Product catalog deployment guide.

## Prerequisites

* .NET Core 5 installed on the build machine.
* Node.js on the build machine version 12.19.0 at least.
* Angular CLI on the build machine version 8.3.29 at least.
* SQL Server installed on backend host machine.
* Windows Server configured with the Web Server (IIS) server role.
* Access to hard disk drive to store user’s media files.

## Backend deployment steps

* Switch *ProductCatalog* git repository to *master* branch.
* Create SQL Server DB then update *ProductCatalogConnection* in *appsettings.Production.json* with DB server, name and credentials.
* Start build release, and save output.
* Install .NET 5 Hosting Bundle on host machine.
* Create a *No Managed Code application pool* in IIS.
* Create IIS application on the created app pool.
* Make the chosen port public, using IIS URL rewrite is an option if exposing ports is against your organization rules.

## Frontend deployment steps

* Switch *ProductCatalogUI* git repository to *master* branch.
* Update *environment.prod.ts* with backend publish URL.
* Build the Angular application with *Production* environment: *npm run build-prod*.
* Create a *No Managed Code application pool* in IIS.
* Create IIS application on the created app pool.
* Make the chosen port public, using IIS URL rewrite is an option if exposing ports is against your organization rules.