Deploy .NET Localhost Application to Domain – Step by Step Guide

This document explains how to deploy a .NET application that is running on localhost to a live domain using Windows Server and IIS.

Current State (Localhost)

Browser (localhost)	.NET App (Local PC)

Deployment Steps

Step 1: Make sure your .NET application runs correctly on localhost.

Step 2: Buy a domain and Windows Server (VPS).

Step 3: Connect to the server using Remote Desktop (RDP).

Step 4: Install IIS (Web Server) role.

Step 5: Install ASP.NET Core Hosting Bundle (matching .NET version).

Step 6: Publish your .NET app in Release mode.

Step 7: Copy published files to C:\inetpub\wwwroot\YourApp.

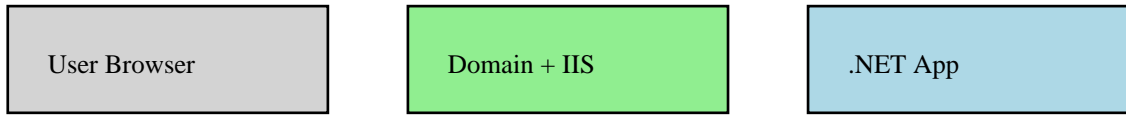Step 8: Create a new website in IIS and point to the folder.

Step 9: Set Application Pool to 'No Managed Code'.

Step 10: Configure DNS A record to server public IP.

Step 11: Add SSL (HTTPS) using Let's Encrypt or paid SSL.

Step 12: Open domain in browser and verify application.

After Deployment (Live Domain)

User Browser

Domain + IIS

.NET App

Once deployed, your .NET application will be accessible from anywhere using your domain and will no longer depend on your local machine.