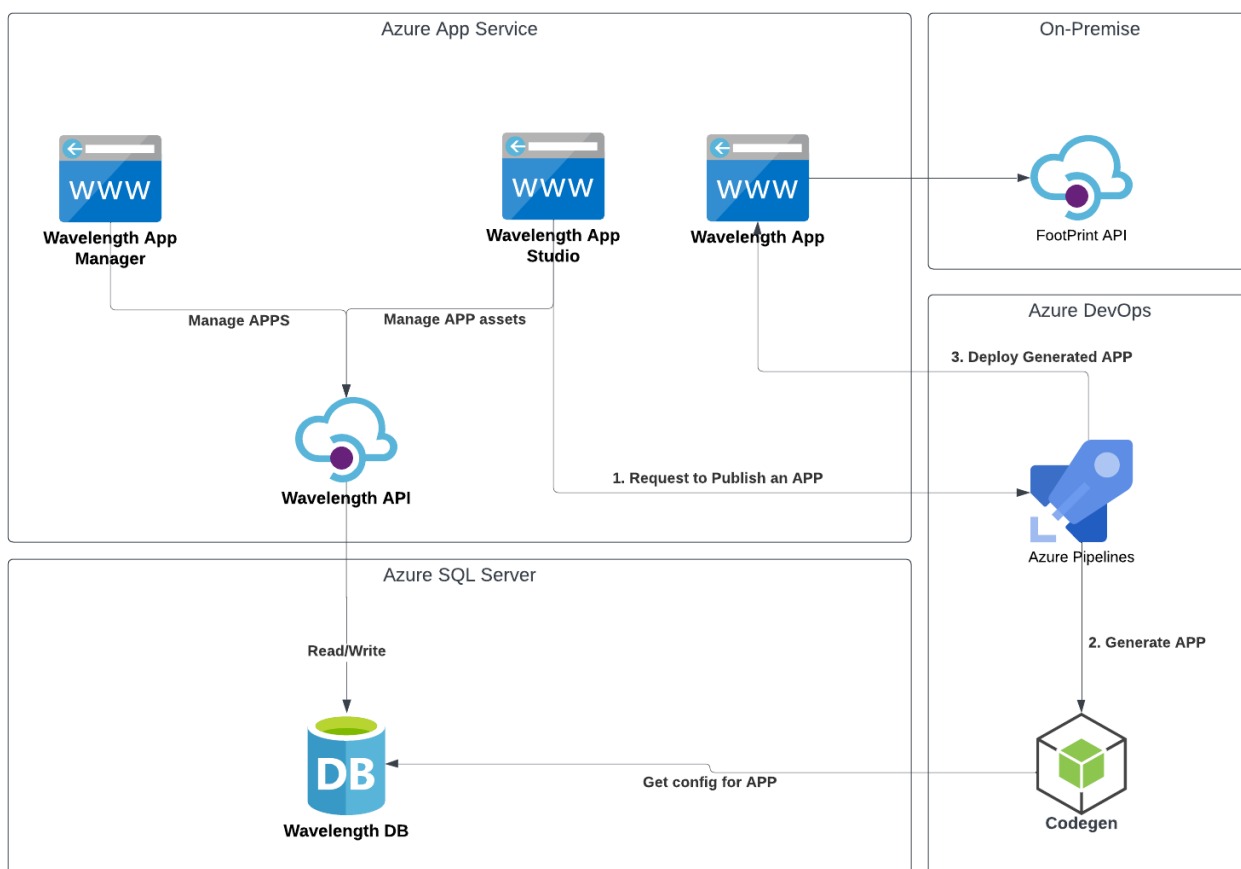


Wavelength Architecture

Wavelength Architecture

This content below provides an overview of the Wavelength architecture, including the required components and associated technologies.

Architecture



Components

Wavelength App Manager

Description: Single page application allowing users to view, create, update, and delete an application.

Technology: Angular framework

Wavelength App Studio

Description: Single page application allowing users to design an application tailored to their needs.

Technology: Angular framework

Wavelength API

Description: Web API responsible for the heavy lifting of managing applications and its assets. It sits between the single page applications and the database.

Technology: .NET framework

Wavelength DB

Description: Database storing data about applications.

Technology: Azure SQL server

Wavelength APP

Description: Represents the application the user designed using the Wavelength App Studio

Technology: Angular framework

Codegen

Description: Software responsible for generating the Wavelength App angular project based on the users' designs.

Technology: Node.js

Azure Pipeline

Description: An azure devops pipeline responsible to use the Codegen tool which generates the Wavelength App angular project and then proceeds to create a build. The resulted build is then deployed on the Azure App Service where the Wavelength System is hosted.