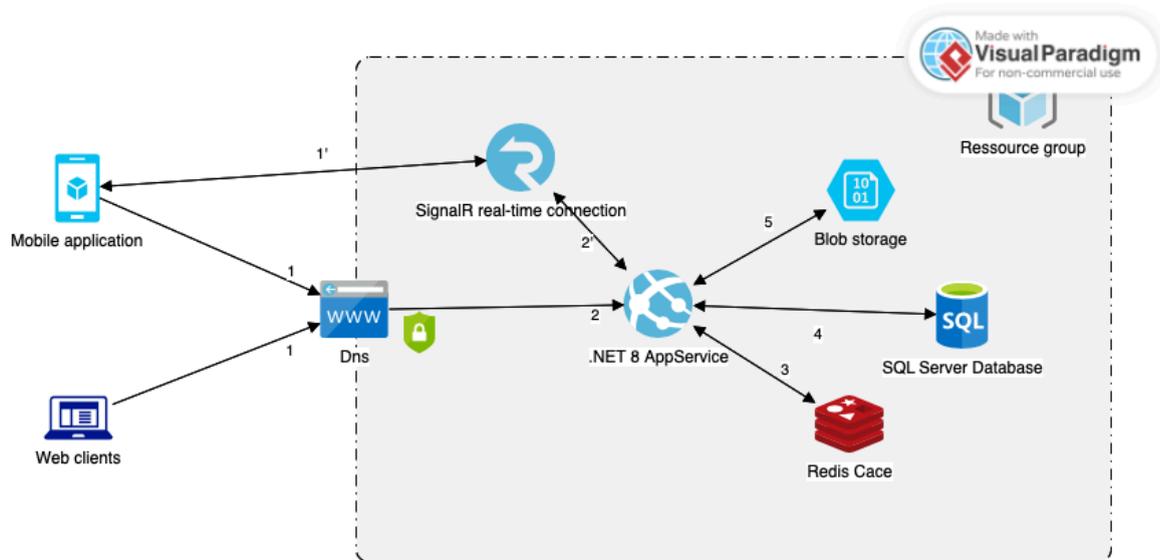




# Cloud Architecture



Azure Cloud Infrastructure

## Components

### Clients

- Mobile application: The application is used by the patients and doctor, to interact with the platform.
- Web clients: the admin and doctor dashboards, that displays stats and relevant informations to the user.

### Services

- SignalR: A SignalR instance will be used to enable real-time functionalities.
- AppService: We will have a single monolith AppService that will host the core logic.

- Redis: A cache service will be provisioned in order to speed up recurrent queries.
- SQL Server: The database that we will use is a SQL Server database.
- Blob Storage: To store unstructured data such as media files and documents.

## Connections flow

1. Http calls from various clients
2. Calls are forwarded to the inner service
3. In case we have to query some data, we first check in the Cache
4. Otherwise we query the SQ L Server database
5. For any unstructured data such as images/files, we query the blob storage

1'. Web socket connection for realtime interactivity using SignalR

2'. Each event is processed through the inner service

The flow continues the same as the Http flow