**Technical Spec**

Virtual Server: **V-UHSM-RESEARCH** (IP: 192.168.35.57)

SQL Server Instance: **V-UHSM-RESEARCH\MANRAB** (Microsoft SQLServer 2008 R2)

Database Name: **AspEPR3**

Data Sources: V-UHSM-RESEARCH\MANRAB **;** Database=**ASPEPRImport**  - Import Database Provider Trust Data warehouse.

**V-UHSM-TIE-SQL ;** Database=**TIEUSERPROD** This is the Read Only version of Trust Patient Demographics data.

V-UHSM-RESEARCH\MANRAB; Database=**SGRQ** Data from St Georges Database

Client Software: Application is written in C# on an Asp.Net Core framework

The application is authored using Visual Studio 19 and the solution is called **AspergillosisEPR**

The current version of the framework used is **.Net Core 2.2**

The application is written as an **MVC** application.

The application is a full stack application and uses many technologies:

Model View Controller pattern (MVC)

**Entity Framework Core** (an object Relational Mapper for .Net Core)

**C# Linq** queries

Asp.Net Core Dependency Injection

Javascript client side software encompassing:

jQuery

Bootstrap CSS framework for styling

eonasdan-bootstrap-datetimepicker for date time pickers

jQuery **Datatables** plug in for tables (https://datatables.net)

jQery **Ajax** methods for asynchronous loading of data

html 5

Uses the styling from a commercial template called **SmartAdmin**

Authentication and authorisation uses .Net Core built in **Identity UI**

Application: Currently the database is not configured to use an IIS web server but runs as a stand alone application using the .Net Core **Kestrel** http server on Port 5000

The application runs on the **V-UHSM-RESEARCH** server in a file location:

D:\AspEPR\AspergillosisEPR

The service is started by running the following command in this folder:

**dotnet AspergillosisEPR.dll**

This needs to be started every time the server is started, and left running

It runs in a web browser on the user computer via this URL:

**v-uhsm-research:5000**