



Nucoris (<https://nucoris.azurewebsites.net/>) is the exploratory prototype of a cloud-native *healthcare information system* (HIS) that I have developed and used as a learning platform during a sabbatical leave.

In the frontend, an **ASP.NET Core web app** hosted by **Azure App Service** renders **Razor Pages** styled with **Bootstrap**.

The application exposes also a **REST API** that some pages use to post simple commands and do partial view updates.

In the backend, data is stored in **Azure Cosmos DB** document database. Domain events are also persisted. An Azure **Function** consumes Cosmos DB **Change Feed** and picks and publishes events to an **Azure Service Bus**. Azure **Functions** and **Logic Apps** subscribe to those domain event messages for interoperability and customization, and may publish integration events into an integration bus to which other systems can subscribe.

For business analysis, **Azure Data Factory** periodically transfers data from nucoris Cosmos DB into a data warehouse supported by an **Azure SQL Database**.

