

A collection of yellow, oval-shaped capsules scattered across a dark grey background. The capsules are semi-transparent and have a glossy finish, reflecting light. They are arranged in a somewhat circular pattern, with some overlapping.

Azure assessment for BI in healthcare

Why assess

Awareness

- Get information on the technologies and approaches that your healthcare system is based on
- Find out whether all system components are relevant and appropriately used

Confidence

- Gain confidence that your system is developed with suitable design and tech stack
- Ascertain the top-notch level of development standards [best practices applied, consistency maintained, zero security issues]

Risk identification

- Identify if there is a risk of not meeting your healthcare business goals
- Detect a risk of your system's potential technical regress
- Identify whether there are risks of talent shortage

Our expertise

Microsoft
Partner



Microsoft Cloud Partner

- Deliver systems on Azure since 2010
- Boast skilled certified Azure professionals
- Provide the full spectrum of Azure services [consulting, development, migration, DevOps]
- Leverage partner-specific opportunities and resources to deliver top-tier services

**IT transition
+
Azure for
Healthcare**

Healthcare Center of Excellence

- Study and implement healthcare-specific business processes and technologies
- Accumulate healthcare expertise and best practices
- Enhance the expertise of our healthcare specialists to ensure deep understanding of domain specifics

Azure consulting for healthcare

Strategy

We analyze your priorities, assess the current environment for Azure readiness, develop an Azure strategy for your healthcare solution, and create a roadmap for a smooth transition to a cloud environment.

Optimization

We examine your current Azure architecture, identify bottlenecks, and highlight issues, which will help you optimize cloud resources usage and performance across your healthcare application portfolio.

Professional services

We help design multi-faceted on-demand implementation plans to achieve business continuity goals in the healthcare domain with less development and maintenance efforts while applying strong Azure security means.

Transparency &
predictability



Services
efficiency



Optimized
costs



Streamlined
performance



Healthcare analytics



It transition configures scalable and secure data warehouses, employs OLAP analysis, artificial intelligence, machine learning and data mining algorithms to analyze vast amount of medical data, including data from traditional systems, cloud and IoMT data, patient-generated health data.

Descriptive, predictive & prescriptive analytics

We deliver predictive algorithms and statistical models to search through a massive amount of health data, predict outcomes for patients, keep track of individual health changes, and support and enhance clinical decision-making.

Precision medicine analytics

It transition builds solutions that collect huge data sets of genetic information and medical records from various in-house and external sources, structure and process it, and deliver data-led insights regarding patient treatment.

Medical equipment management



Context

Our customer is a medical device manufacturing company leading in blood component, therapeutic apheresis, and cellular technologies. They turned to Itransition for developing an operational medical equipment software.

Solution

Over 10+ years, Itransition delivered an Azure-hosted operational medical solution that integrates and manages multiple blood transfusion devices, collects and processes a large amount of blood data.

The solution enables bidirectional communication with information management systems, device and procedure status monitoring, as well as customized process control, while ensuring interoperability among all connected devices.

Results

7+

Product versions

400+

Blood centers

100+

Connected devices

IEC 62304

Compliance

Medical IoT solution for emergency care

Context

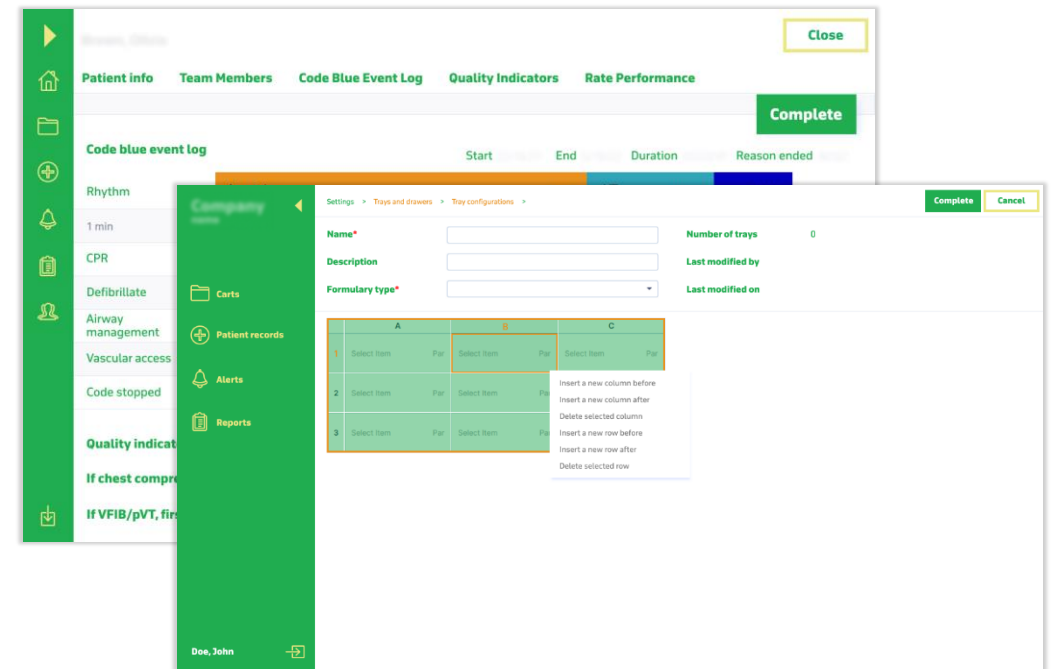
Our customer is a US-based medical device company. They specialize in manufacturing smart carts and cabinets for medication delivery and administration in healthcare facilities, streamlining hospital emergency care. The company needed to develop a holistic software platform, so that their smart carts represented a unified hardware-software solution.

Solution

We utilized Azure IoT Hub to enable bi-directional communication between Azure and carts. Azure IoT Device Agent provides for device registration in IoT Hub. Azure Event Grid allows for passing events from Azure IoT Hub to Azure Functions. Azure Functions ensures device configuration after registration. Azure Blob Storage enables storing collected binary files of applications for the cart.

Results

A multi-tenant unified solution enhancing both the quality of patient treatment and inventory management in smart carts.



Defibrillator database

Context

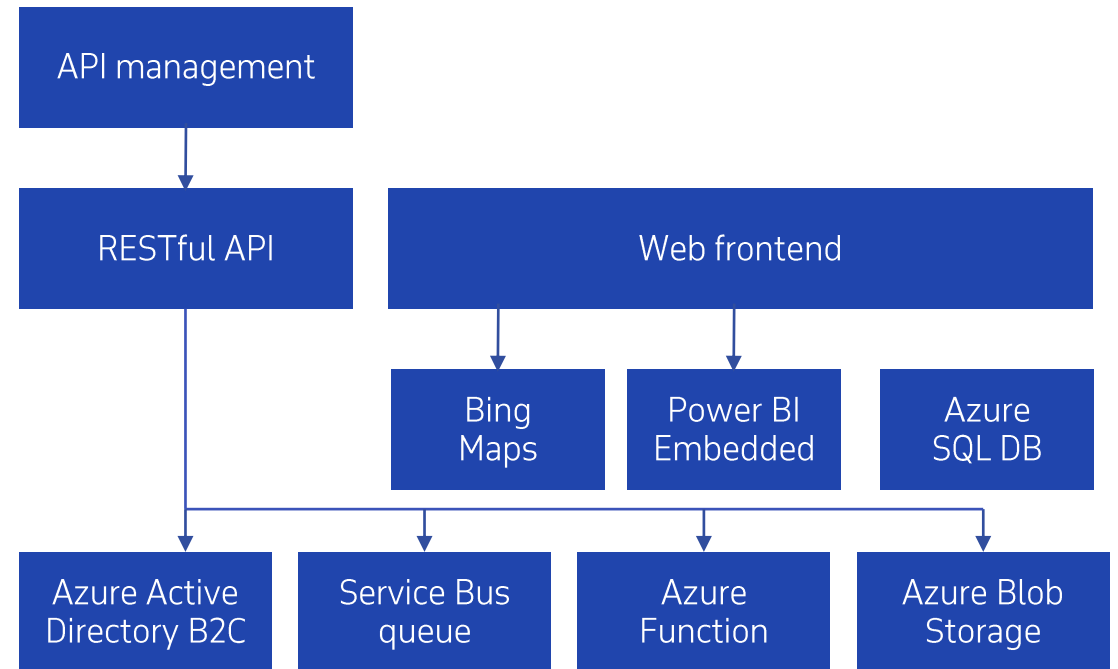
Our customer is a European charity organization. They required a unified defibrillator database, which would allow an emergency medical dispatcher within an ambulance service to direct members of the public to the nearest defibrillator at the time of an out-of-hospital-cardiac-arrest.

Solution

It transition delivered a unified defibrillator database, providing ambulance services with a comprehensive and up-to-date source of information on defibrillators deployed within their local area. Microsoft Azure was used to host all the solution components, with the RESTful API enabling the integration with the computer-aided dispatch systems.

Results

The solution combines data on 100k+ automated external defibrillators.



Transition at a glance

- Full-cycle digital solutions and IT services provider
- Strong IT & technology consulting capabilities
- International acknowledgement: Deloitte, Everest Group, Zinnov Zones, Everest, Forrester, etc.
- Leading healthcare customers: WHO, Terumo, etc.
- Deep tech expertise supervised by CTO office
- Processes maturity [Agile/DevOps/Independent QA]
- Scalability [own training center, hunting/recruiting programs, etc.]



20+

years in
business

3000+

full-time
specialists

25%

annual revenue
growth

500+

completed
healthcare projects

30+

countries
served

110+

clients in the
healthcare domain

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Let's keep in touch

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