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# A Novel Approach to Digital Transformation in Financial Industry

**84%**

of digital transformation  
projects fail due to the  
failed adoption of technology.

*Forbes*

## Business Challenge

One of our clients, a well-known name in the banking and financial industry, has embarked on a digital transformation journey focusing on improving services to its clients and reducing IT infrastructure costs. As part of this initiative, the organization planned to move most of its applications to the Microsoft Azure cloud.

At the outset of the transformation program, the priority was to address the tactical applications (primarily based on Excel and Access) used by the Risk department, modernize them, and make them more reliable and secure.





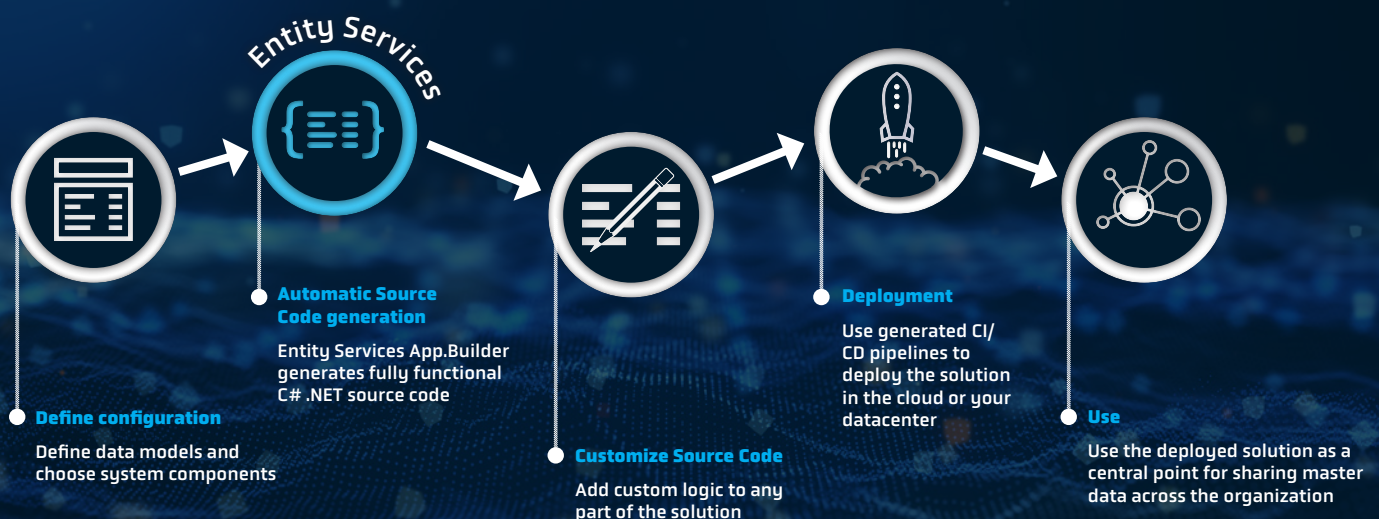
## Technical requirements

The customer considered and evaluated several low-code/no-code solutions, but the risk of using new, unproven technology was just too high because of the tight schedule. The client had multiple .NET teams across the organization and wanted to leverage their experience and knowledge to ensure that the project was delivered on time, following industry best practices for developing enterprise cloud-native solutions. Unfortunately, with the available resources, they still needed to gain some experience developing and deploying solutions to the cloud and needed to hire at least two cloud and DevOps engineers.



The solution needed to import the various data extracts delivered from third-party systems and partners (for example, the latest trading positions were sent by their trading platform (Fidessa) as daily extracts in CSV format to a SFTP folder; these records were enriched with FX rates that were periodically ingested from another data stream...) and expose it via APIs not only to the users in the Risk department that were the primary consumers, but also to the other in-house systems. The application also needed to serve as a 'golden' source of certain types of records with the capabilities of creating, updating, and filtering them in a secure and scalable way.

## Entity Services Workflow





## Solution

Based on these requirements, the client estimated it would take their development team with a cloud architect, three developers, a devops engineer, and a tester four months to deliver the solution. The lack of cloud and specific DevOps skills meant they needed to hire 2 engineers before the start of the project, which could mean a delay for at least another month.

After Axellon's team demonstrated all the benefits and functionalities of our product, Entity Services, the client decided to try it out. The fact that Entity Services generates C# code that the developers immediately understood, without any hidden functionalities and steep learning curve, and that the generated solution already contained everything needed to deploy it to the cloud meant that the existing team could hit the ground running and instead of



writing 'boring' repeatable, generic code, immediately start building the custom features that will bring the most value to the business.

The existing team used the generated code to extend their knowledge and learn about the best practices for developing cloud solutions, so there was no need for additional hiring.

With simple configuration settings, they chose and generated the features required by the regulator and their compliance department, like strict data access control, auditing, and monitoring.

Entity Services allowed them to iterate faster and gather feedback from the end users more often - which resulted in a high-quality final solution that met all of their needs and expectations.

As a result of using Entity Services, the client managed to reduce the cost of the implementation by 64.5%, and the existing team delivered the solution in just 7 weeks.

### Why Entity Services?

- **Exceptional ROI**
- **Predictable outcomes for your data-centric project**
- **Standardized source code across the organization**
- **Reusable, lowers maintenance cost**
- **Up-to-date with modern technologies**
- **Reduced time to market**



Cost reduction  
**64.5%**



Faster Delivery Time  
**75%**

These numbers are based on specific usecase described in this papers.