

4S Dawn Clinical Software: Cloud enablement of their leading SaaS solution to address new markets.



Who are 4S Dawn Clinical Software?

They are a prominent UK-based clinical software developer with over 30 years of experience, specializing in comprehensive disease and medication management solutions. Their software supports healthcare professionals in monitoring long-term therapy for patients using high-risk medications. They have established a strong presence in the NHS in the UK, as well as in other countries like Ireland and Canada, building a substantial customer base over the years.

Challenges

- 4SDawn, in response to customer demand they wanted to offer their software solutions as SaaS application on the cloud.
- They needed to achieve optimal price-performance and validate the business case for investing time and resources.
- Despite 4SDawn possessing strong in-house IT and development expertise, they needed to seek a trusted cloud partner with the skills and agility to expedite this transition and create a scalable solution.

Solution – Digital Space

- 4SDawn initiated a funded Well Architecture Review project with Digital Space.

Step 1 – Discovery

- 4SDawn initiated a funded Well Architecture Review project with Digital Space.

Step 2 – Build a Business Case

- Digital Space investigated alternative databases and cost-effective solutions.
- Digital Space team collaborated closely with the 4SDawn development team and senior stakeholders to establish a templated strategy for swift global deployment of their software at scale.

Step 3 – Apply for Proof of Concept (PoC) Funding

- Digital Space supported 4SDawn in securing AWS (PoC) funding to partially finance the project.

Step 4 – Application Modernisation

- Digital Space collaborated closely with the 4SDawn team, resulting in the creation of a secure cloud landing zone on AWS, tailored for healthcare systems.
- Modernised the existing software stack to leverage cloud-native technologies.
- Utilised advanced GenAI development tools like Amazon Q Developer to enhance the delivery and quality of Infrastructure as Code (IaC) outputs.

Step 5 – Rightsizing & Cost Optimisation

- Optimised the target environment according to user counts and varying customer sizes to ensure the live environment can adequately support the required number of users.

Step 6 – Managed Service

- Implemented an integrated Managed Service using Digital Space's Cloud Centre of Excellence.
- Digital Spaces Cloud Centre of Excellence trained 4SDawn's internal IT and DevOps team on cloud technologies ensuring they are fully equipped to manage the environment independently in the future.

Get in touch:

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DAWN RH rheumatology software is designed to help clinic physicians review and track patients in a safe, reliable and efficient manner

Results

- 4SDawn is now poised with a robust platform ready for rapid deployment, unlocking pathways to future business expansion.
- 4SDawn internal IT and DevOps team trained on the new cloud environment and using technologies such as Amazon Code Whisperer.
- The SaaS modernization project was successfully delivered to new customers, providing a cost-effective solution tailored to their needs.

What is next for 4SDawn Clinical Software?

- Thanks to the strong relationship and trust forged during their initial project with 4SDawn, Digital Space has been tasked with developing innovative solutions for cloud deployment right from the start.
- With support from Digital Space, 4SDawn is actively exploring opportunities in other countries, including Ireland and beyond.

Alistair Stewart, Software Application Specialist at 4SDawn Clinical Software.

“Digital Space has been simply amazing we could not have asked for a better AWS partner to work with. Our teams work well together, and the result have been beyond what we could have expected. We also like the way Digital Space listened and understood our desire to be as efficient as possible until we were confident the solutions would work on the cloud.”



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