



With cloudride we enjoy a high level of professionalism, good communication, and fast progress reporting. The team is always dedicated to our needs.

Tal Segel Chief Product Officer



# Results



5%
Expected YoY growth

# **INTRO**

With years of experience and knowledge, the Helen Doron Connect teaching method uses games, movement, songs, stories and LOTS of fun to maximize children's natural love of learning and their ability to easily absorb languages. With Helen Doron Connect, children receive lots of positive reinforcement, encouragement and motivation to help them feel comfortable to express themselves during the learning process.

# THE CHALLENGE

To emulate the same learning experience as our traditional classrooms, Helen Doron Connect lessons are comprised mainly of interactive games, videos, and real-time networking. As such, an environment was required for the entire development and production workflow to support real-time communication, resource downloads, and session management in a guick, seamless, and scalable manner.

## **THE GOAL**

To provide teachers and students a seamless experience, with immediate response times for interactions within lessons, even when these include considerable processing and communication.



**User Retention** 



**Flexibility** 



Scale

## THE CLOUDRIDE SOLUTION

 AWS S3 static website feature, used to host the authoring tools for the Helen Doron Connect development teams. This is the environment that enables lesson creation for new course offerings. It also utilizes AWS Cloudfront service that is located in front of the S3 static website and acts as a CDN to deliver the fastest performance available.



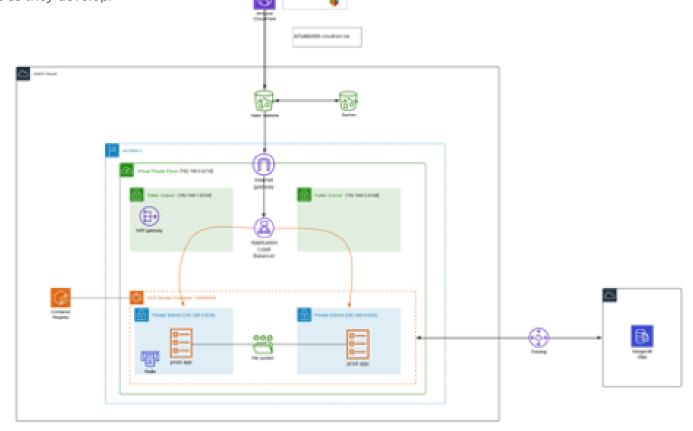




# THE CLOUDRIDE SOLUTION - CONT.

- AWS ECS to host the backend application of Helen Doron Connect. This application is the mastermind
  behind this whole operation, It's in charge of the API backend of the database connection & authorization
  tool.
- AWS ECR to host the API-Docker image that AWS ECS task pulls from.
- Route 53 and registered domain for the architecture. We mainly used this domain to pair it with AWS Certificate manager to make our API available on HTTPS behind an Application load balancer.
- Elasticache for Redis, the application is connected to a Redis endpoint for the main purpose of holding user sessions as well as benefiting many other Redis advantages.
- A task with the assistance of migrating the current database (Azure CosmosDB) to MongoDB Atlas database to improve database performance, scalability, and availability.
- EFS for hosting the game files that are used to generate the games using the S3 Authoring tool.

We are always looking for ways to automate and upgrade the current design in order to work with the client's needs as they develop.









# THE RESULT

As you can see in the diagram above, All of these Key components create an orchestrated framework that delivers the best product available with tailor-made solutions to customer needs.

With AWS solutions and infrastructure, the client enjoys high performance, availability, and scalability.



Working with Helen Doron Connect was a real pleasure.

As a certified Amazon partner, and with the importance of facilitating an optimal user experience, within a short timeframe and on budget, we worked closely with Amazon from the very beginning, in close collaboration, supporting planning, deployment and ongoing optimization.

Danny Lev Ran CEO Cloudride













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