

# Learn How Cloudride helped Odix Maximize FileWall's scalability



When it comes to service companies - people are the ones who make the difference. We were lucky to find a truly professional team at Cloudride. The team demonstrated deep understanding and wide knowledge & know-how in planning and establishing scalable SaaS deployment. Cloudride made the difference for us.

Omri Eytan, Odix CTO



## Results



**400%**

Increase in facilitation of DevOps tasks.

## INTRO

Odix, an established leader in Content Disarm and Reconstruction (CDR) Technology provides preventative cybersecurity solutions to enterprises of all sizes. Odix's Deep File Analysis technology prevents the insertion of malware into organizational networks by removing all malicious code from all commonly used file types. Odix solutions are trusted by enterprises in diverse sectors such as industrial, finance, insurance, government, and others.

## THE CHALLENGE

Odix's flagship solution, FileWall™ is an advanced security layer for Microsoft 365 delivered as pure SaaS, native Microsoft 365 application to protect businesses from File-Based cyber-attacks. The nature of FileWall service requires a stable architecture that will ensure massive real-time transaction handling, supporting a high number of multiple organizations tenants with thousands of users. FileWall's scalability at no time with the requirement of changes rapidly becomes a must.

## THE GOAL

Plan and execute the right cloud infrastructure for FileWall service that will ensure end-users 24/7 protection from malicious attacks at minimum latency and seamlessly; while enabling Odix scale their footprint within Microsoft 365 business users.



Minimum Latency



Flexibility



Scale

## THE CLOUDRIDE SOLUTION

We use full serverless architecture, leveraging the AWS infrastructure by using services such as API Gateway, AWS Lambda, Step Functions, SQS, SNS, DynamoDB, and Amazon Aurora.

From API Gateway that receives the first call from the email provider through SQS lambda functions pass the file to inspection using Step Functions, the results are stored in S3 bucket, and notifications are sent using SNS.



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## THE CLOUDRIDE SOLUTION - CONT.

All the compute power runs on small lambda functions, each with the purpose of a "micro" role in the big picture, scan the files. Using both SQL and NoSQL serverless database the system knows which information is important to show the administrators and which user need to get a notification when the scan is complete.

## THE RESULT

Odix system grows rapidly, continues to improve, and deploys new rules for inspection each month. The architecture supports multiple users at the same time and can scale quickly during rush hours while being cost-effective by not using any resources at low tide times.

The amount of DevOps tasks we are able to perform has increased by 400%.

The Deploy process became more efficient and robust, which made it possible to triple the number of Deployments and shorten their time by half.



Increase in DevOps Tasks' Capacity



increase in Deployments



Reduction in Deployment Time

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Working with odix is 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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