Cybersecurity giant Adopts Cloud-Native Approach to Overcome the Limitations of On-Premise Systems.

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Challenges:

- *High maintenance costs*

- *No classification of data*

- *Difficulties in upgradation*

Solution:

- *Adopted a cloud-native approach and split the records to enable easy upgradation and better classification of data*

Results:

- *Scalable*

- *Better Performance*

- *Low Cost*

- *Easy maintenance*

About the Customer

The customer is a leading computer and smart devices security Software Company that protects over 500 million devices around the world from security vulnerabilities. Their customers include government agencies, startups, large enterprises and millions of home users. Their products are sold through authorized partners who customize them according to customers' needs in the form of software, appliances, and services in the cloud.

The Need

The client had multiple applications that stored the device related information in their own databases running on premise. On-premise deployments like this and the legacy cluster based redundant data storage practices forced them to spend more time and resources on maintenance. The application dumped all the data without due classification which resulted in exorbitant costs for support and maintenance. All these issues culminated in the following:

- Upgradation was difficult

- Maintenance issues

- Storage of high amount of useless data

Aspire's Solution

After analyzing their needs and challenges, Aspire recommended the client to adopt the cloud-native approach.

Solution in Detail

Aspire's team of engineers performed the following tasks:

- Utilized highly available and scalable cloud-native services to mitigate the client's challenges

- Reduced the costs of read and write operations based on access pattern and by splitting one record into five

- Improved data management approach to eliminate data redundancies

- Introduced cloud-based open-source tools for monitoring.

- Filtered the unnecessary data that were being dumped in the existing system. The applications now classify the data as per their requirements

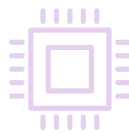**AWS Cloud-Native Optimized Storage Solution**
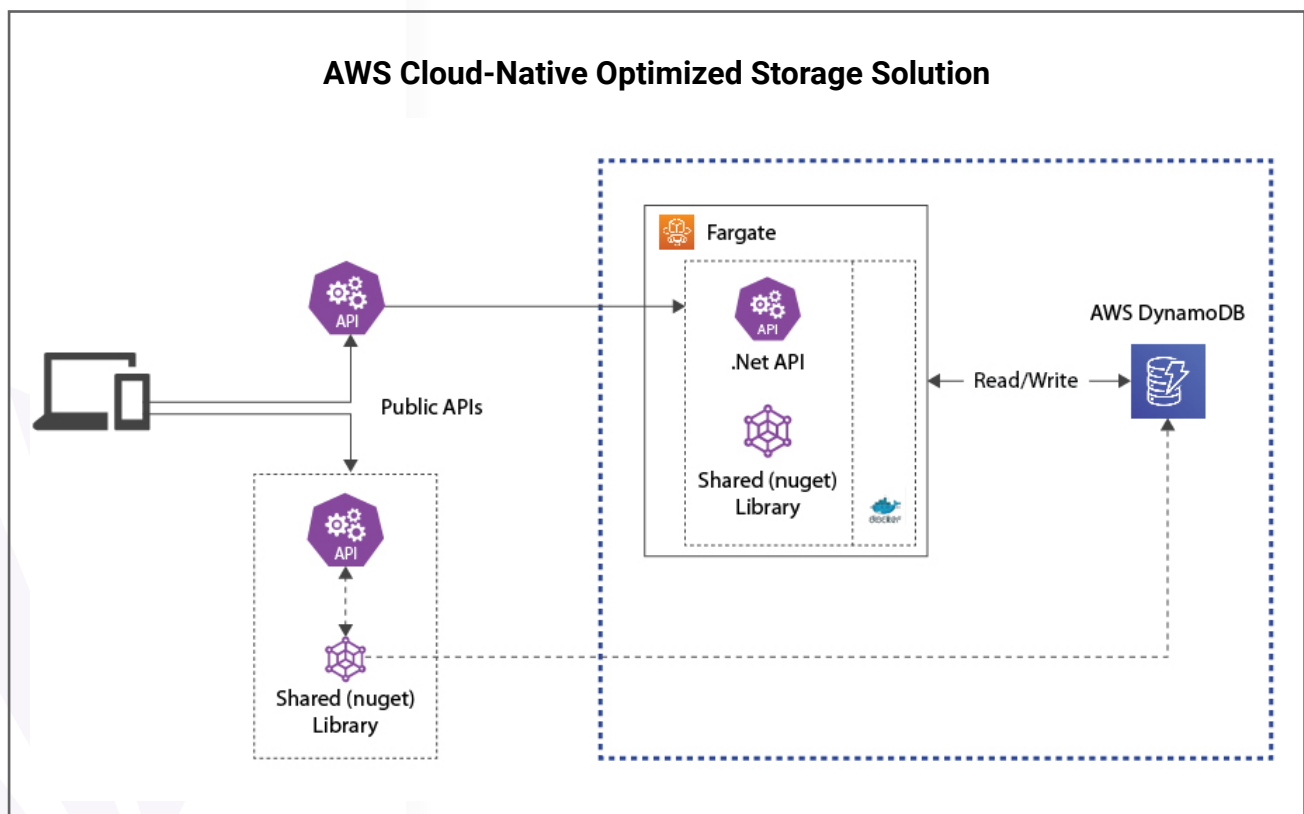
Benefits

- Increased scalability by 70%

- Improved performance by 400%

- Low cost - Pay as you go and what you use. Reduced maintenance overheads by 300%

Technology Snapshot

- » Net standard 2.0
- » .Net core 3.1
- » Asp.Net Web API
- » Docker

- » AWS dynamo Database
- » AWS IAM
- » AWS Fargate

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