Enhanced scalability, availability and security for a leading supermarket chain by migrating to AWS Cloud
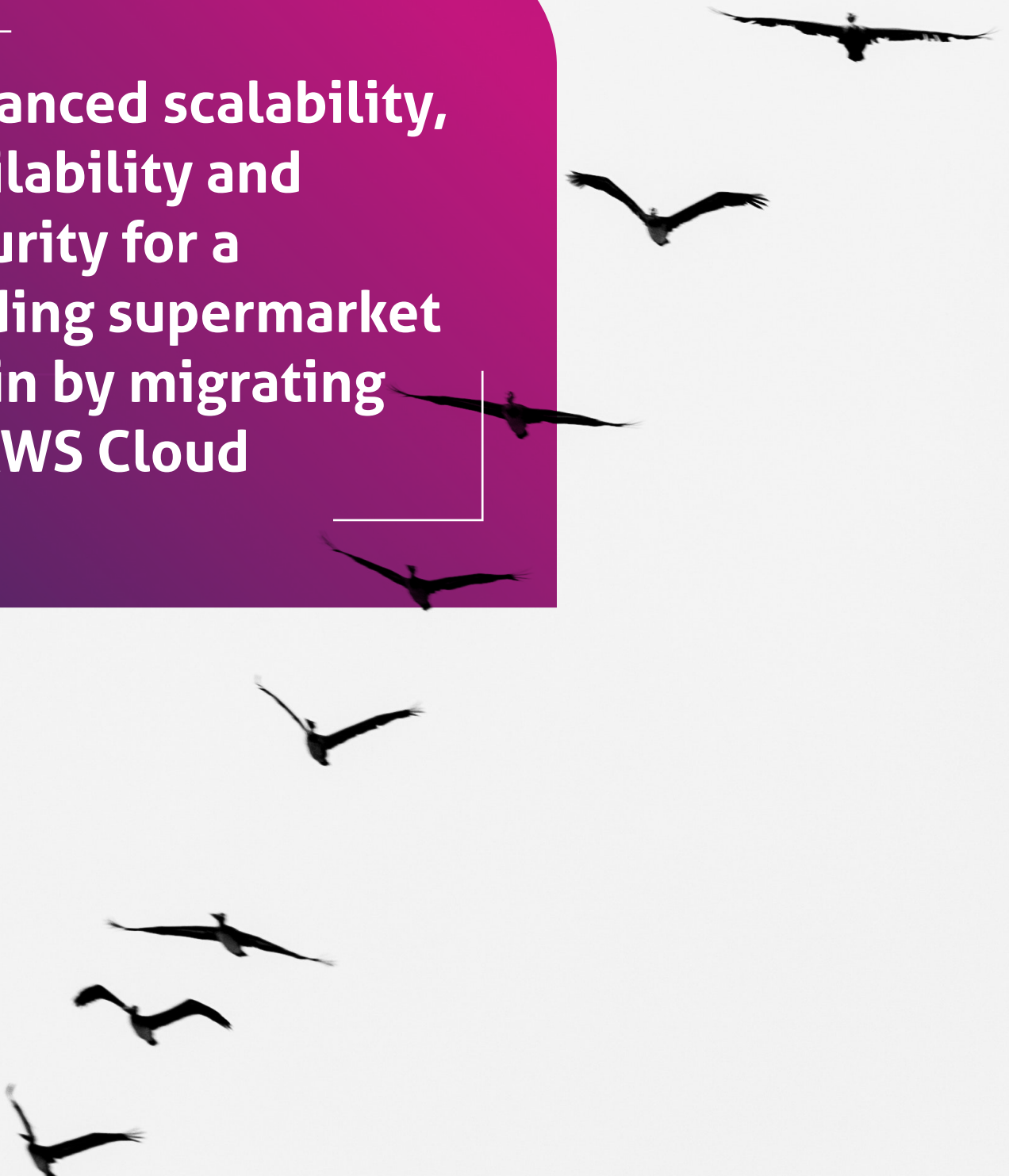
The Client

A leading American supermarket chain exclusively featuring organic foods

⛰ Challenges

- Extant Infrastructure was not flexible or scalable to the growing seasonal demands of the Ecommerce Platform

- Lack of dedicated skillsets in managing current infrastructure and ability to scale the skills and bring in automation to Cloud Infrastructure

- Longer lead times with respect to infrastructure deployment & provisioning

💡 Solutions

- Designed the blueprint solution to meet peak loads during seasonal demand and ensure the service could load within milliseconds

- Deployed key components i.e. e-commerce module, reporting services and network firewall in multi AZ

- Setting up security policies that meet with WFM IT security standards and HIPAA requirements

- With expected load during seasonal demand, performed 1000 concurrent users per minute test and noted the performance and utilization

- In addition, applied monitoring, key management, patch management services for server up to date and continuity of the services

👍 Benefits

- Achieved higher infrastructure scalability, availability, internal & HIPAA security compliance

- Agility and Scale: E-Commerce platform firm became ready to extend its new infrastructure as it grew its user base and added new features and functionality

- Achieved operational excellence by implementing automation – Auto scaling deployment, effective monitoring and patching servers, etc

- Improved servers, application performance for growing seasonal demand