



Architecting SAP HANA on AWS for a leading manufacturer in the Middle East

Modernization Journey Driven by Efficiency

Migration of SAP workloads from on-prem data center to a hyperscaler of choice and implementing a well-architected framework designed for high-availability ensuring 100% data security and data sovereignty along with disaster recovery as a service.

About Falconpack

5000

Employees Worldwide

50 Mn

Annual Turnover

Falconpack is a leading manufacturer and distributor of disposable food packaging products with an extensive range and the best quality. Established in 1992, the company Falconpack has emerged to be a market leader in each of its segments offering an overwhelming range of products. Falconpack is a global player and regional leader in providing more than 3000 diversified products.

The company's vision is to be a regional leader and global player in providing complete disposable, food packaging solutions to foodservice and household consumers. Their approach to this is to integrate purchases, stores, and sales operations in order to ensure availability for their customers. With the global headquarters in Sharjah (UAE) the company has manufacturing and distributing facilities throughout the UAE and a prominent presence in North Africa as well. Cloud4C, the most trusted Azure Expert MSP in the region, emerged as the partner of choice to deliver the highly customized migration, aligned to stringent government requirements. The team delivered a pathbreaking solution design, recognized as a new chapter in Azure Migration strategies by Microsoft.

The Challenge

Performant, Reliable, Cost-effective Solution

Falconpack during its attempts to scale their business realized that their on premise infrastructure is turning into a liability and hence decided that the move to cloud had to be made. After choosing AWS as their hyperscaler, they had approached Cloud4C for its Migration Factory services. They were looking for migration that is fast-paced, transparent and secure with zero data loss. What they needed was an AWS Solution that adheres to AWS Well-Architected Framework hosted locally in the middle-east region.



The Solution

Migration of their SAP to AWS

Cloud4C migrated Falconpack's SAP HANA on AWS from its on-prem infrastructure with a re-hosting approach implementing a strategic framework considering all the interdependencies of their applications. We leveraged our infrastructure, application and database expertise to design a safe, hassle-free and successful migration strategy, based on their source system and target cloud landscape - AWS.

AWS Certified Experts

Cloud4C provides a wide range of AWS fully managed services such as cost optimization, availability and scalability services, managed security, managed configuration, performance optimization, alerting, remediation, premium 24x7 technical support and more.

Well Architected Solution on AWS

The framework not only adhered to all the principles AWS Well-Architected Framework but was also customized for high availability and optimized operations. Primary workloads were hosted in AWS Middle East (Bahrain) and DR in AWS Ireland ensuring data sovereignty and reliable disaster recovery.

Enabling High Application Uptime

Falconpack required a reliable and yet cost-effective solutions on AWS, for which Cloud4C devised the most efficient strategy. Their SAP HANA pre-load option was disabled at the DR site, enabling us to run HANA DB on lighter instances. This gave the application high uptime and supported business continuity to the fullest.

Why Cloud4C?

Cloud4C AWS Cloud Adoption framework helps simplify cloud transformation. We help organizations accomplish technology modernization, rationalization, remediation and migration to AWS. Our AWS experts help them find the right strategy and architecture to achieve stellar business results.

Cloud4C has expertise in industry-leading as well as AWS native migration, host security, network protection, data security, threat intelligence and security analytics, log management and vulnerability scanning tools and technologies

Industry Best Uptime

Cloud4C is the pioneer in providing specialized cloud solutions to key industry verticals like Manufacturing, Banking, Insurance, Healthcare, Energy & Utilities, and Government with integrated security and compliance services with Single SLA of up to 99.99% up to the application level.

Compliance & Governance

Cloud4C had built a strong management and governance structure for Falconpack for the migration project. Both internal and external teams worked collaboratively throughout the procurement process, avoiding risks and unnecessary costs. A meticulous approach was taken to data security at each step of the migration journey. With the client's business running from the MEA region, Cloud4C took complete responsibility for ensuring data sovereignty.

Key Accelerators



Dedicated AWS Center of Excellence

- 2000+ certified cloud experts worldwide with local presence in 25 countries
- Certified people resources on ITIL, COBIT, CDCP, CISA, CISSP, CISM, Six Sigma, PMP CCIE, MCP, CEH and more
- AIOps driven automation in Cloud Operations
- Zero friction business delivery model
- Dedicated 24*7 NOC and SOC support
- 3500+ Global Enterprise customers
- AWS Outposts launch partner in India
- 12 years of rich experience in Cloud and Managed Services



Cloud4C AWS Well-Architected Review

The benefits of a Cloud4C AWS Well-Architected Review to a client include:

- Accelerated remediation of cost, performance, reliability, operations and security related issues
- Guidance on leveraging new AWS services, and features that enhance the overall experience
- Improvement of Cloud usage by partnering with AWS-certified team of professionals who will lead the AWS Well-architected review
- Better understanding of the business impact of client's design decisions in AWS



Comprehensive Security

Cloud4C and AWS deliver a comprehensive approach to security beyond infra and SAP application security. Ex: Host Based Security, PIM, VA, SIEM, SAP custom code scanning, Threat Intelligence, Forensics etc. AWS Shared Security model provides data security upto OS level, including from guest-OS and hypervisor to the bottom of the stack, not to mention physical security of DCs.

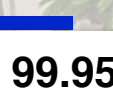


Security and Governance

- Strong governance with Role-Based Access Control
- Enhanced SAP security with integration of applicable geographical and vertical specific compliance controls (GDPR, IRAP, PCIDSS, NESA, SAMA etc.)
- 24*7 Security Operation Center (SOC)
- Security Monitoring and Correlation in real-time
- Application and DB Security audits
- Geography and Industry vertical specific compliance services delivered using AWS Native tools and Cloud4C Managed Security Services offerings

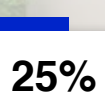
Results

99.95%



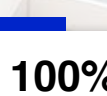
stakeholders were enjoying better uptime while using the application

25%



reduction in the operational costs as well as maintenance costs

100%



visibility into their cloud environments achieved

< 2 hrs



average security-event response times reduced from days to less than two hours

Zero



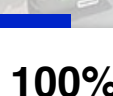
threats to their applications and data

Eliminated



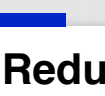
many labor-intensive, manual IT-management tasks

100%



compliance with respect to data residency

Reduced



audit time and time to remediation

Minimal



outages and performance issues eased the job of support teams