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Motherson Technology Services assisted Zepth in securing and transforming critical business data and increasing business agility

Client Overview

Zepth is a Delhi based organization founded in 2020 that provides construction management software under a common data environment. It enables a transparent and seamless experience by creating value through time and cost savings with its robust modules like Project Cost Control, Inspections, Video Conferencing, and others

Business Challenges

Zepth faced the below challenges that impacted their business function, monitoring, cloud health, and the efficiency of their resources

01	Unexpected downtime due to increased business risk and lack of proper backup and recovery policy
02	Difficult to protect data, monitor objects, and determine if they should be moved to a less expensive storage family
03	Lack of enough security tools for data security and data privacy. Lack of proper backup and recovery policy
04	Unreliable content delivery with high latency and low transfer speed
05	Complexity and higher cost involved in installing, operating, and scaling cluster management infrastructure
06	Improper monitoring, unreliable protection of application, and web attacks affecting availability and compromise security

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Our Solution

Zepth partnered with us to address the challenges they were facing. Thereafter, Our AWS team studied and discussed their business processes, aligned the Amazon services accordingly, and took a three-phased transformation approach. We monitored, evaluated, and optimized their business operations. Our paradigm for the managed services included the following alterations in their existing architecture. The complete flow of the solution's functioning consisted of the below steps

- Implemented the AWS Data security service Inspector, Guard duty for enhanced data security, WAF to help protect their web applications against common web exploits
- Recommended Amazon DRS setup on their source servers to initiate secure data replication and help them reduces costs by using affordable storage and minimal compute resources
- Implemented CloudFront to ensure reliable content delivery for minimum latency and data transfer performance
- Implemented CloudHealth monitoring for strategic evaluation to get right sizing, cost reports, and utilization of AWS resources
- With MTSL managed services and SLAs in place, we ensured to achieve service excellence and timely response to issue raised
- Implemented ECS Cluster to deploy, manage, and scale containerized applications
- Pay as go billing, strategic workload monitoring and highly optimized infra, ensured complete value for money

Proposed AWS Solution Architecture

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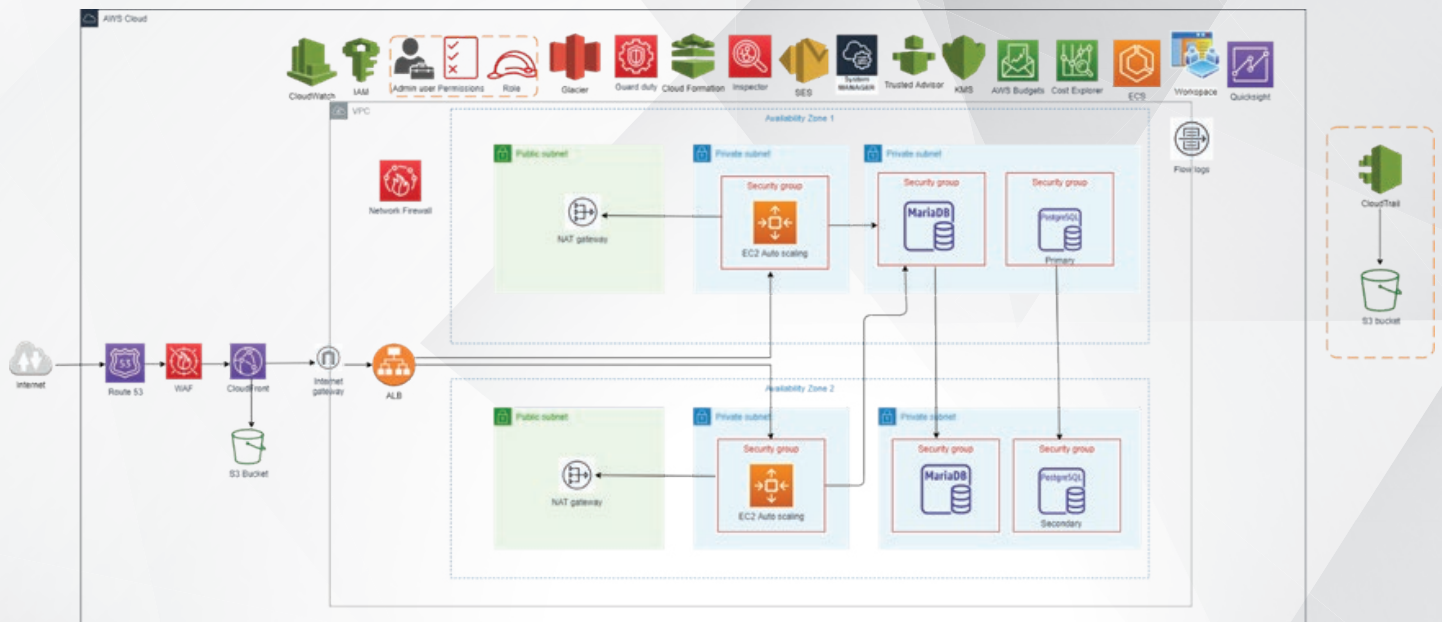
AWS Services Used

- Amazon RDS
- AWS DRS
- Amazon S3
- Amazon CloudFront
- Amazon ECS

- AWS WAF
- AWS CloudTrail
- Amazon Inspector
- Amazon GuardDuty

A Quick View of how AWS Services helped build the Solution

01
Amazon RDS helped Zepth handle relational database management tasks, such as migration, backup, recovery, and patching. This service enabled replication, high performance storage, and failure detection

02
AWS DRS minimized their downtime and data loss with fast, reliable recovery of on-premises and cloud-based applications using affordable storage, minimal compute, and point-in-time recovery

03
Amazon S3 enabled them to maintain scalability, availability, security, and application performance. It helped them optimize, organize, and configure access to their data to meet specific business, organizational, and compliance requirements

04
Amazon CloudFront has provided high security with the 'Content Privacy' feature and speeded up distribution of static and dynamic web content to their users. AWS CloudFront has helped them to achieve low latency, low network traffic, and quick data access with minimal cost

05
Amazon ECS helped them schedule long-running applications, services, and batch processes using Docker containers. It also helped them maintained application availability and allowed to scale their containers up or down to meet their application's capacity requirements

06
AWS WAF helped them monitor AWS accounts, perform vulnerability management, and protect their web application server against a range of Internet threats

a. GuardDuty is enabled for threat detection

b. AWS Inspector has enabled security assessments checks for unintended network accessibility and vulnerabilities

c. AWS CloudTrail is enabled for auditing, security monitoring, and operational troubleshooting

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Benefits

	High Availability Solution		Enhanced Protection at all layers		Lower Latency with Reliable Content Delivery Network

About The Partner

Founded in 1975, Motherson Group is an industry leader and one of the world's largest manufacturers of components for ther automotive and transport industries. The group's diversified portfolio makes it a complete solutions provider across the globe. Motherson Group serves its customers with a wide array of products and services through multiple business divisions including wiring harness, vision systems, modules and polymer, technology & software, aerospace, health & medical, logistics, retail and metal products. Motherson Technology Services is a global technology company that offers a consulting-led approach with an integrated portfolio of industry leading solutions that encompass the entire enterprise value chain. Our technology-driven products and services are built on two decades of innovation, with a future focused management philosophy, a strong culture of invention and co-innovation, and a relentless focus on customer-centricity. A CMMI Level 5 company, we have delivered best-in-class services to 430+ clients in 41+ global locations across all continents. We are a business division of Motherson Group, one of the largest manufacturers of components for the automotive and transport industries worldwide with 150,000 employees across the globe.