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# Felidae Systems

## Case Study: Core5

Felidae Systems, a leading manufacturing technology provider, faced challenges with latency, infrastructure costs, and security. They partnered with Core5 to implement a cloud-based solution using AWS, resulting in improved performance, cost optimization, and enhanced security.





# About Felidae Systems

Founded in 2012, Felidae Systems bridges the gap between manufacturing and other sectors, like finance, by providing modern digital solutions. They help manufacturers enhance productivity and competitiveness in the digital age.

**1** **Mission**  
To empower manufacturers with cutting-edge technology solutions.

**3** **Focus**  
Optimizing operations, enhancing efficiency, and driving innovation.

**2** **Vision**  
To drive digital transformation in the manufacturing industry.

**4** **Values**  
Customer-centricity, collaboration, and innovation.

# Challenges Faced by Felidae

Felidae's on-premises infrastructure presented significant challenges, hindering their growth and competitiveness.

## Latency Issues

Their system struggled with latency, causing delays and impacting productivity.

## High Infrastructure Costs

The cost of maintaining and scaling their infrastructure was unsustainable.

## Security Management Challenges

Managing security on-premises was complex and resource-intensive, increasing vulnerability to threats.



# Why AWS?

Felidae chose AWS for its flexible, scalable, and cost-effective cloud infrastructure.

## Reduced Latency

AWS provided a reliable platform for improved performance and reduced delays.

## Enhanced Security

AWS offered comprehensive security services, including IAM and encryption, to safeguard data and systems.

## Efficient Cost Management

AWS's pay-as-you-go pricing models allowed Felidae to optimize their expenses.





# Why Core5?

Felidae selected Core5 for their expertise in delivering tailored IT solutions for the manufacturing industry.

Deep Understanding of Cloud Migration	Core5 had proven experience in migrating on-premises systems to AWS.
Address Key Challenges	Core5 focused on addressing latency, cost, and security concerns.
Customer-Focused Approach	Core5 prioritized customer needs and delivered rapid ROI.



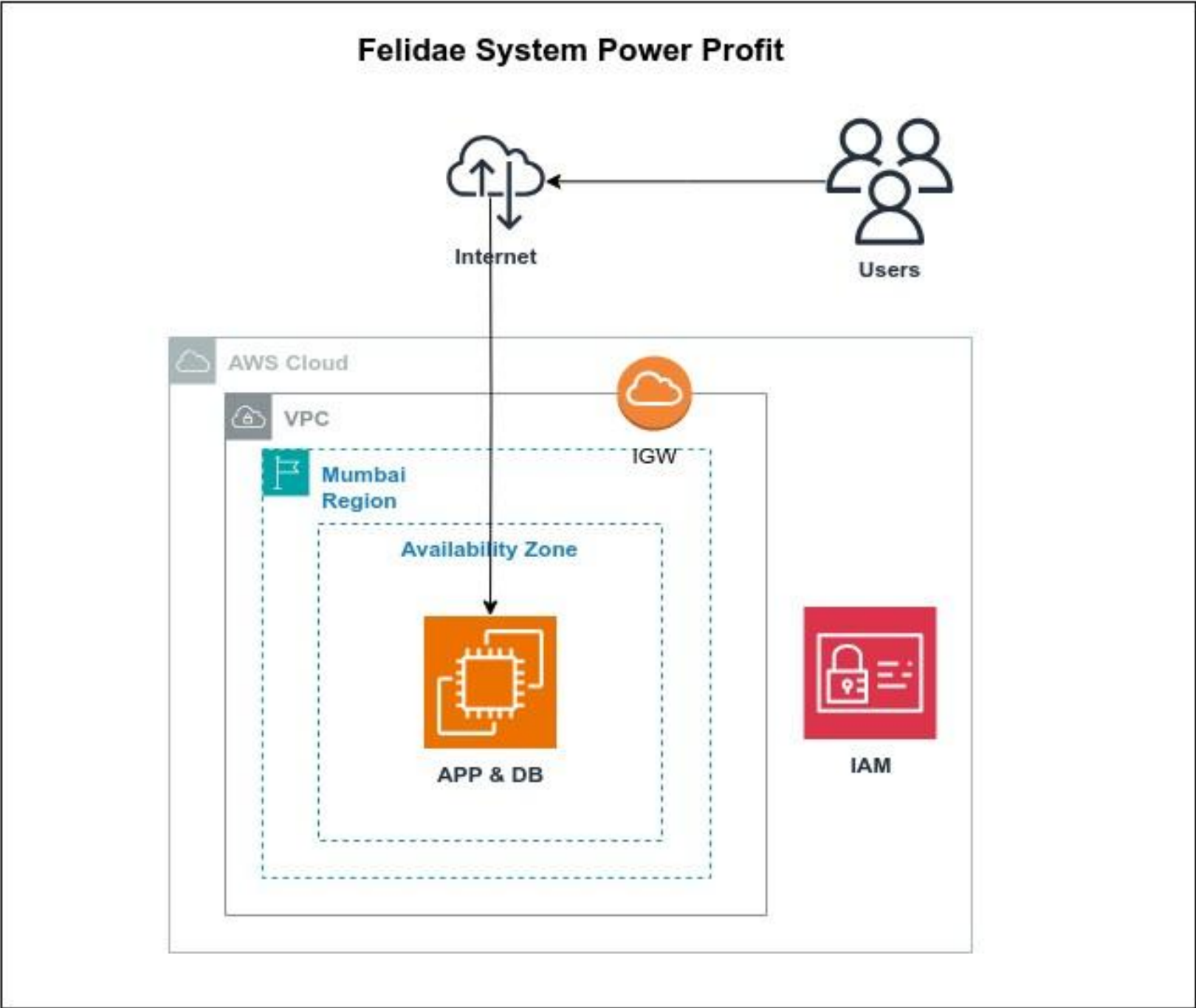
# The Core5 Solution

Core5 deployed a cloud-based solution using AWS, leveraging a Windows SQL Standard Server (m5a.xlarge configuration) as the core.

- 1. Architecture Setup**  
The application and database were set up within an AWS VPC in the Mumbai region.
- 2. High Availability**  
An Availability Zone ensured high availability and reliability.
- 3. Secure Access**  
An Internet Gateway provided secure internet access.
- 4. Robust Security**  
An IAM system controlled permissions and strengthened security protocols.



# Architecture Diagram



# Results and Benefits

The migration to AWS resulted in significant improvements for Felidae Systems.

## Cost Reduction

A 30% reduction in infrastructure costs was achieved due to AWS's scalability and cost-effective pricing models.

## Efficiency Improvement

Reduced latency and optimized performance led to a 40% improvement in operational efficiency.

## Streamlined Security Management

AWS IAM simplified security management, freeing up the IT team to focus on growth.





# Next Steps

Felidae plans to continue working with Core5 to explore additional AWS services.

1

## Automation Tools

Implementing automation tools to streamline processes and improve efficiency.

2

## Security Tools

Leveraging advanced security tools to further strengthen their security posture.

3

## Data Analytics

Exploring data analytics services to gain insights and optimize decision-making.

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# About Core5

Core5 Systems & Services Pvt. Ltd. is a system integrator and technology provider specializing in delivering high-end IT solutions.



## Cloud Expertise

Core5 has deep expertise in cloud computing, including AWS solutions.



## Customer-Centric Approach

Core5 is committed to providing customer-centric solutions and exceeding expectations.



## Security Focus

They prioritize security and offer robust security solutions for their clients.



## AWS Partner

Core5 is an AWS Partner, demonstrating their commitment to delivering leading cloud solutions.

