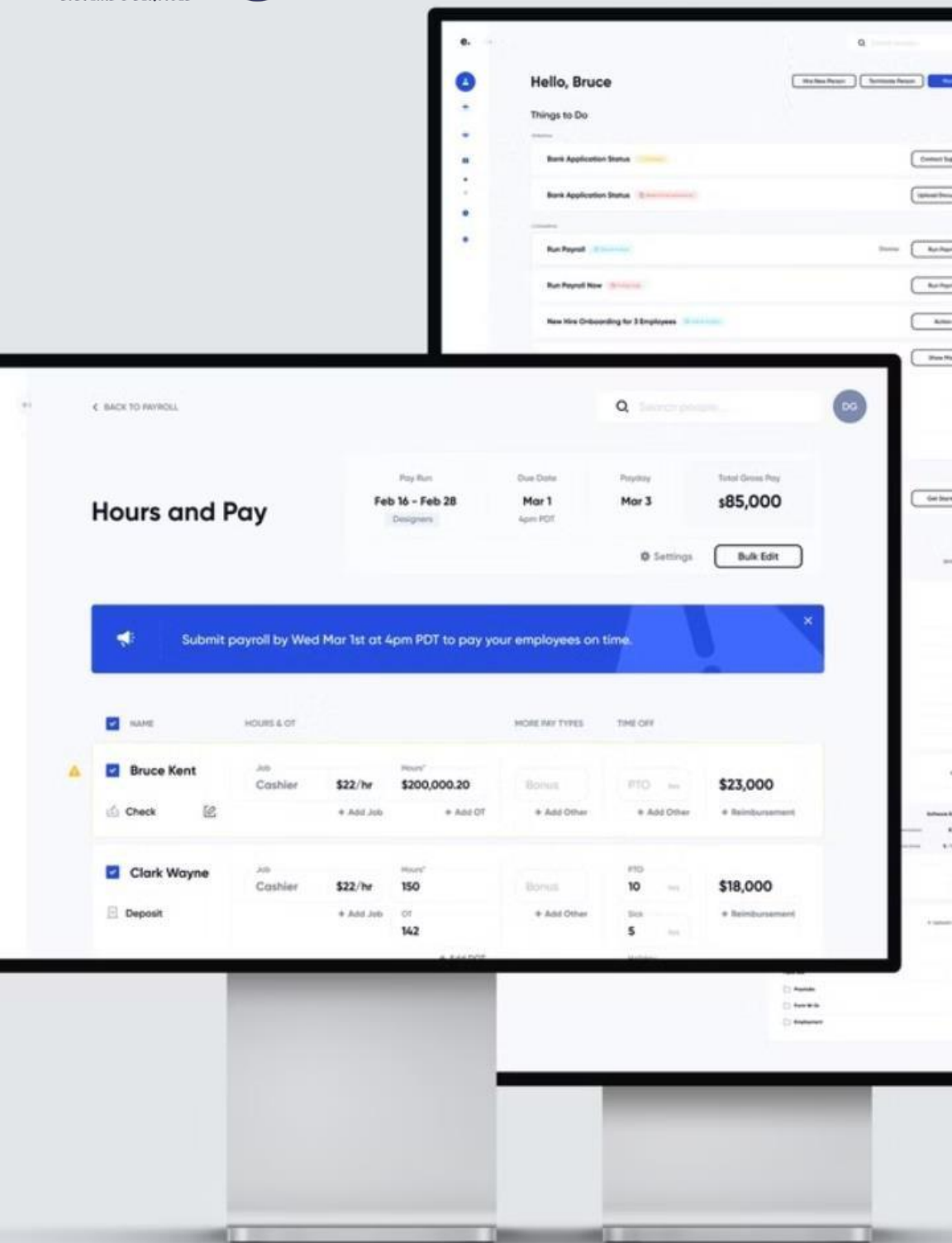




Benow-Case-Study :Core5

Core5 System and Service Pvt Ltd is a leading cloud solutions provider specializing in AWS infrastructure optimization. We helped Benow, a digital payments platform, achieve significant cost reductions and performance improvements through our expertise in cloud technologies.





Benow: A Digital Payments Leader

Benow, a digital payments platform developed by Cashless Technologies India Limited, offers a comprehensive solution for merchants across India. With over 70,000 merchants, Benow facilitates seamless in-store and online payments, enabling businesses to expand their reach and engage customers.

- 1 Growing User Base**
 Benow's platform serves a large and rapidly expanding user base, demanding reliable and scalable infrastructure.
- 2 Omni-Channel Payments**
 Benow's platform supports multiple payment channels, catering to both online and offline transactions.
- 3 Technology Expertise**
 Benow's team leverages advanced technologies to deliver a robust and user-friendly payment platform.

Addressing Benow's Challenges

Benow faced challenges in managing their AWS infrastructure effectively, leading to high costs and potential performance bottlenecks. These challenges stemmed from inefficiencies in database and server management, and the lack of a robust disaster recovery strategy.

High AWS Billing

Benow incurred significant expenses due to resource utilization in Amazon RDS and EC2 instances.

Cost Optimization

Benow lacked strategies to manage AWS spending effectively, leading to inefficient resource allocation.

Database Management Costs

Benow faced high expenses related to managing Amazon RDS databases, particularly in terms of resource utilization and maintenance.

EC2 Instance Costs

Benow's EC2 instances were not efficiently managed, leading to unnecessary costs associated with underutilized resources.

Why AWS

Amazon Web Services (AWS) provided Benow with the foundation for a scalable and reliable platform. AWS's comprehensive suite of services empowered Benow to address their infrastructure challenges and optimize their operations.

Reliability and Scalability

AWS offers a vast infrastructure capable of supporting Benow's growing user base, ensuring high availability and performance.

Comprehensive Tools

AWS provides essential services like Aurora Multi-AZ and Compute Optimizer, designed to optimize performance, reduce costs, and enhance disaster recovery.



Why Core5?

Core5's deep understanding of AWS services and its commitment to delivering tailored solutions made it the ideal partner for Benow. Our expertise in cost optimization, performance tuning, and disaster recovery enabled us to develop a customized strategy that addressed Benow's specific challenges.

1 Cost Optimization Expertise

Core5's team possesses in-depth knowledge of AWS services, enabling them to identify areas for cost reduction and performance improvement.

2 Customized Solutions

Core5 tailored its solutions to Benow's unique needs, addressing specific challenges in billing, performance, and disaster recovery.

Partner Solution: Optimizing Benow's AWS Infrastructure

Core5 implemented a comprehensive solution using AWS services to optimize Benow's infrastructure, reduce costs, and enhance performance and disaster recovery capabilities.

1

RDS Quick Insight

Core5 implemented RDS Quick Insight to analyze database performance, resource utilization, and inefficiencies, leading to optimized resource allocation and cost reductions.

2

Aurora Multi-AZ

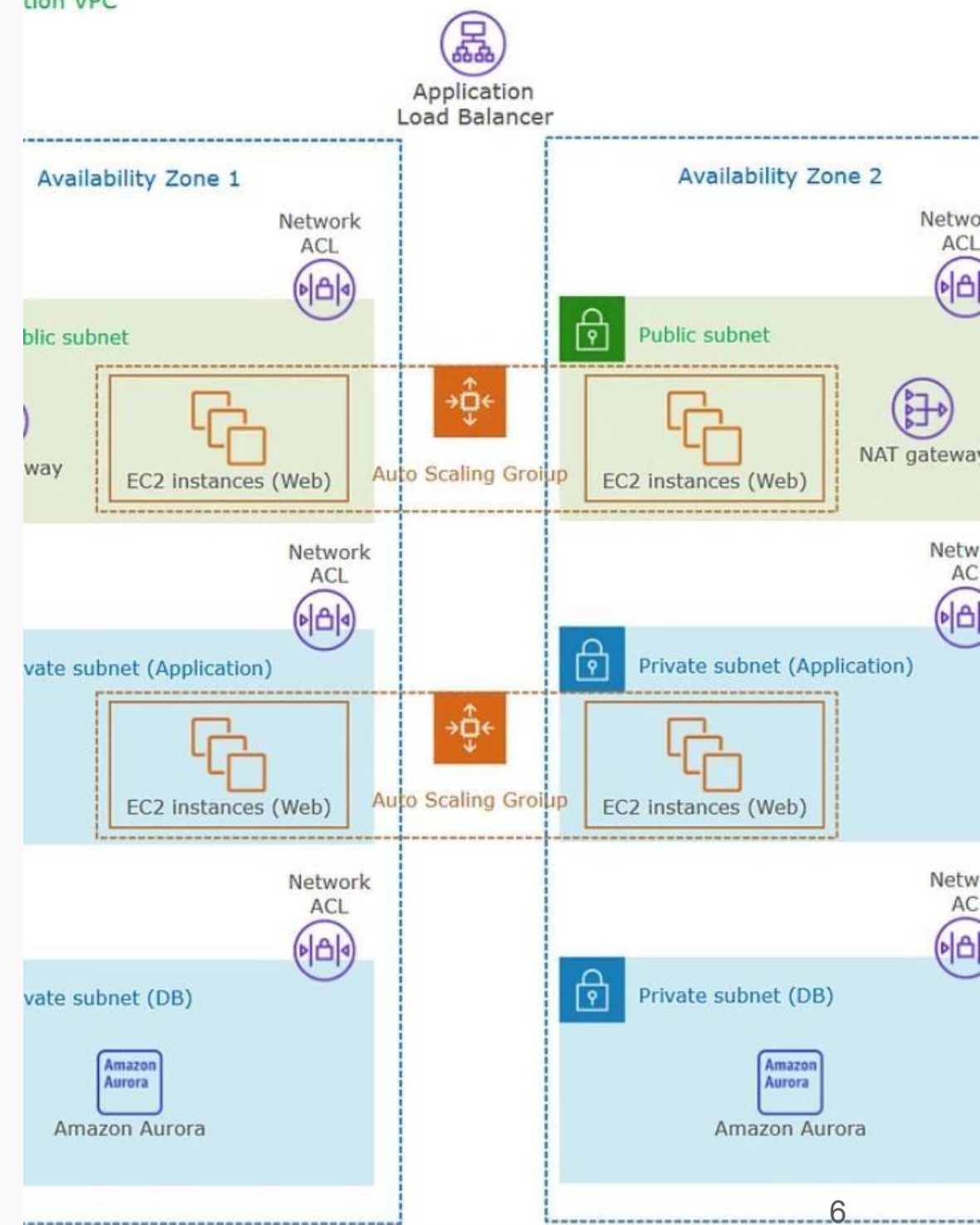
Databases were migrated to Amazon Aurora Multi-AZ, enhancing disaster recovery by providing automatic failover and improved data durability.

3

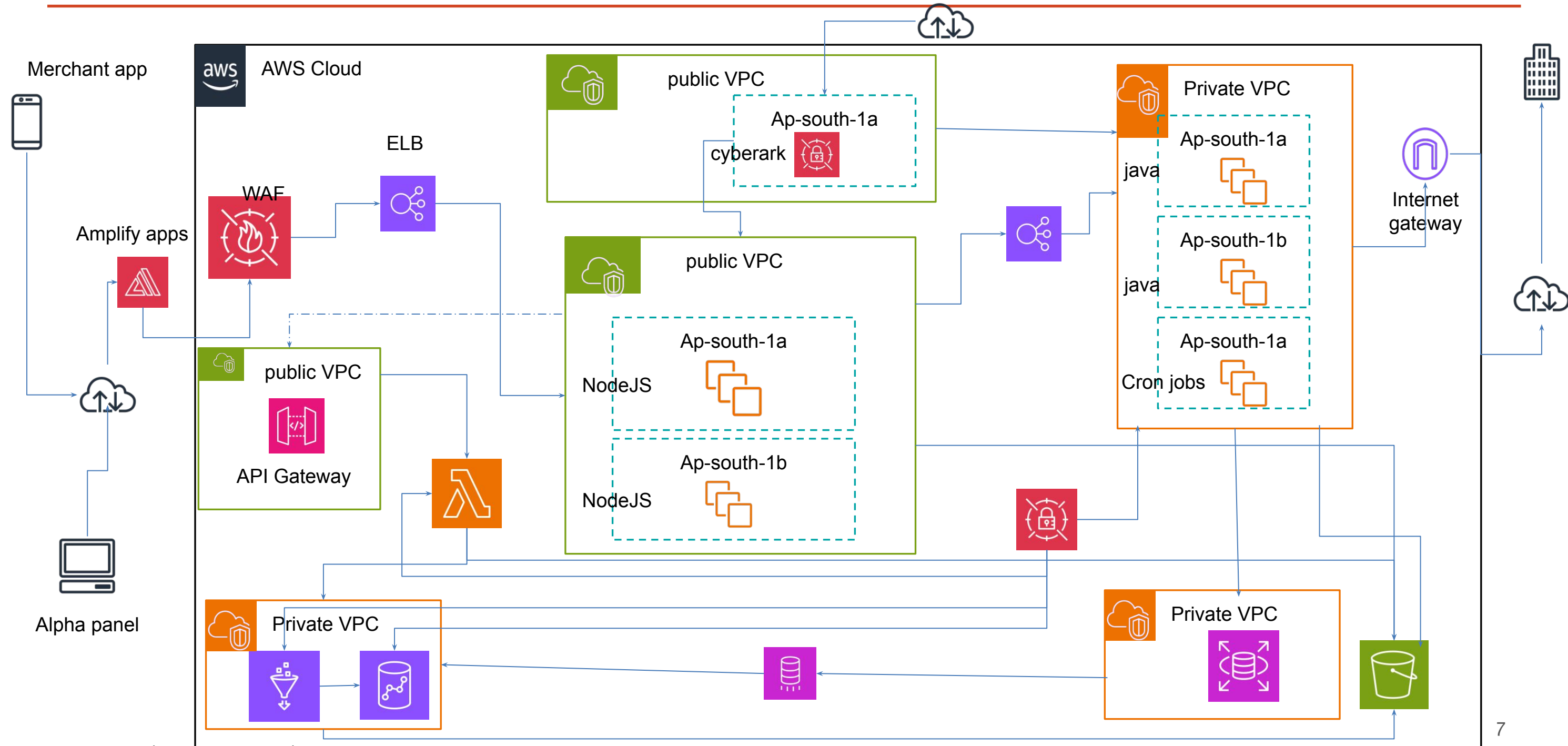
AWS Compute Optimizer

AWS Compute Optimizer was deployed to right-size EC2 instances, analyzing utilization data and recommending optimal instance types and sizes.

tion VPC



Architecture Diagram



Results: Significant Cost Savings and Enhanced Performance

The implemented solutions resulted in significant improvements for Benow's platform, leading to cost reductions, improved performance, and enhanced disaster recovery capabilities.

Cost Reduction

25% reduction in AWS expenses related to RDS and EC2 instances, resulting in more efficient resource allocation.

Improved Performance

Optimized EC2 instances led to enhanced application responsiveness and system efficiency, ensuring a smooth user experience.



Benefits: A Resilient and Scalable Platform

By implementing a comprehensive optimization strategy, Benow has achieved a more resilient and scalable platform, ready to handle future growth and demands.

1 Enhanced Disaster Recovery

Aurora Multi-AZ provided robust disaster recovery with automatic failover, reducing risks of downtime and data loss, ensuring business continuity.

2 Future-Ready Infrastructure

The optimized resources and modernized disaster recovery system have positioned Benow for future growth and scalability, enabling them to expand their operations and reach new customers.



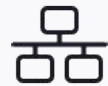
Core5: A Trusted AWS Partner

Core5 System and Service Pvt Ltd is a trusted AWS Advanced Tier Partner, specializing in cloud migration, infrastructure optimization, and managed services. We are dedicated to providing tailored solutions that help businesses leverage the power of cloud computing to achieve their goals.



Cloud Expertise

Core5 possesses extensive experience in cloud technologies, enabling us to provide comprehensive solutions for various business needs.



Infrastructure Optimization

Core5 specializes in optimizing AWS infrastructure, reducing costs, enhancing performance, and ensuring high availability.



Security and Compliance

Core5 prioritizes security and compliance, ensuring that our solutions meet the highest industry standards.



Managed Services

Core5 provides managed services to support our clients' cloud infrastructure, freeing them to focus on their core business operations.

