

aws

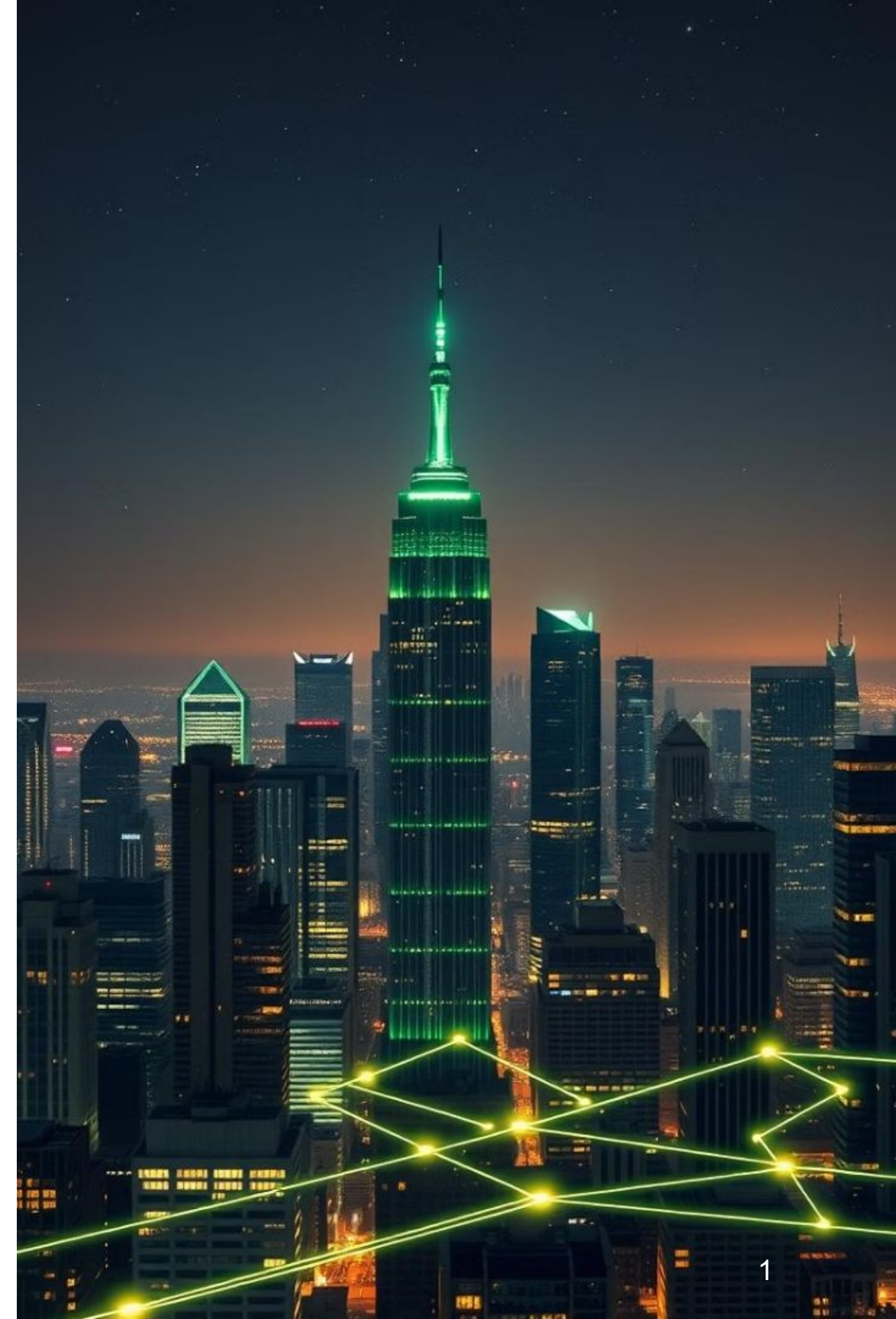
PARTNER
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CORE5
SYSTEMS & SERVICES

Arhiant Capitals: Case Study

Arhiant Capitals, a leading financial services company, embarked on a transformative journey by migrating its IT infrastructure to AWS.

Through this transition, the company achieved enhanced operational efficiency, scalability, and security while optimizing costs.



About Arhiant Capitals

Arhiant Capitals is a reputable financial services company offering a comprehensive suite of innovative solutions to clients across the financial sector. The company's commitment to providing secure and scalable digital financial services led them to modernize their legacy IT infrastructure to meet the evolving needs of their customers.

Financial Solutions

Arhiant Capitals offers a wide range of financial solutions tailored to meet the diverse needs of its clients. These solutions include investment banking, wealth management, and financial advisory services.

Client Focus

The company prioritizes its clients' needs and strives to provide exceptional service and support. Arhiant Capitals believes in building long-term relationships with its clients and helping them achieve their financial goals.

Innovation

Arhiant Capitals embraces innovation and utilizes cutting-edge technologies to enhance its services and provide a competitive edge. The company continuously seeks new ways to improve its operations and deliver value to its clients.

Customer Challenges

Arhiant Capitals' existing on-premises IT infrastructure faced significant limitations in terms of scalability and manageability. The system struggled to handle fluctuating workloads, resulting in challenges maintaining high availability for mission-critical financial applications.

Scalability Issues

The on-premises infrastructure struggled to handle the increasing demands of the business, leading to performance bottlenecks and potential service outages.

- Limited capacity to scale up or down quickly
- Difficulty in handling peak workloads and sudden surges in demand

Security Concerns

Maintaining security on-premises required significant investment and expertise, posing a challenge for the company to ensure data confidentiality and integrity.

- Vulnerabilities to cyber threats and data breaches
- Difficulty in implementing and managing robust security measures

Operational Inefficiencies

Managing and maintaining the on-premises infrastructure was a complex and time-consuming task, leading to inefficiencies and higher operational costs.

- Manual processes for provisioning and managing resources
- Limited automation and orchestration capabilities

Why AWS

Arhiant Capitals recognized the need for a scalable, secure, and cost-effective IT solution to address its challenges. AWS provided the comprehensive suite of cloud services required to meet the company's demands for scalability, security, and performance.

1 Scalability

AWS offered the flexibility needed to handle variable workloads, enabling Arhiant Capitals to scale its infrastructure up or down as required. This allowed for efficient resource utilization and cost optimization.

3 Cost-effectiveness

AWS's pay-as-you-go pricing model and resource optimization capabilities enabled Arhiant Capitals to reduce its infrastructure costs significantly. The company could pay only for the resources it used, eliminating the need for upfront investments in hardware.

2 Security

AWS provided a robust security framework and tools to safeguard sensitive financial data and applications. The platform's security features met the stringent regulations and compliance requirements of the financial services industry.

4 Global Presence

AWS's global presence and reliable infrastructure provided Arhiant Capitals with low-latency access to financial services and data for its customers worldwide.



Why Choose Core5

Arhiant Capitals partnered with Core5 experts to leverage their deep knowledge and experience in cloud infrastructure transformations. Core5's expertise in deploying cloud-native architectures and their ability to design cost-optimized, secure, and scalable solutions were crucial for a smooth transition to the cloud.

Extensive Knowledge

Core5 possessed in-depth knowledge of AWS services and best practices for financial services organizations.

Proven Track Record

Core5 had a successful track record of delivering cloud migration projects within the financial sector, demonstrating their expertise and reliability.

Tailored Solutions

Core5 provided a tailored solution based on Arhiant Capitals' specific business needs and objectives.

Dedicated Support

Core5 offered ongoing support and guidance throughout the migration process, ensuring a seamless transition and successful implementation.

Partner Solution

CloudWatch

Real-time monitoring and logging for system performance, allowing for quick issue identification and resolution.

RDS PostgreSQL

Improved database performance and scalability with automated backups and high availability features.

Route 53

Ensured high availability and low-latency access to Arhiant Capitals' financial applications.

Application Load Balancer (ALB)

Distributed traffic across multiple EC2 instances for high availability and optimized performance.

S3

Secure storage of vast amounts of data, including backups, documents, and financial records.

CloudFront

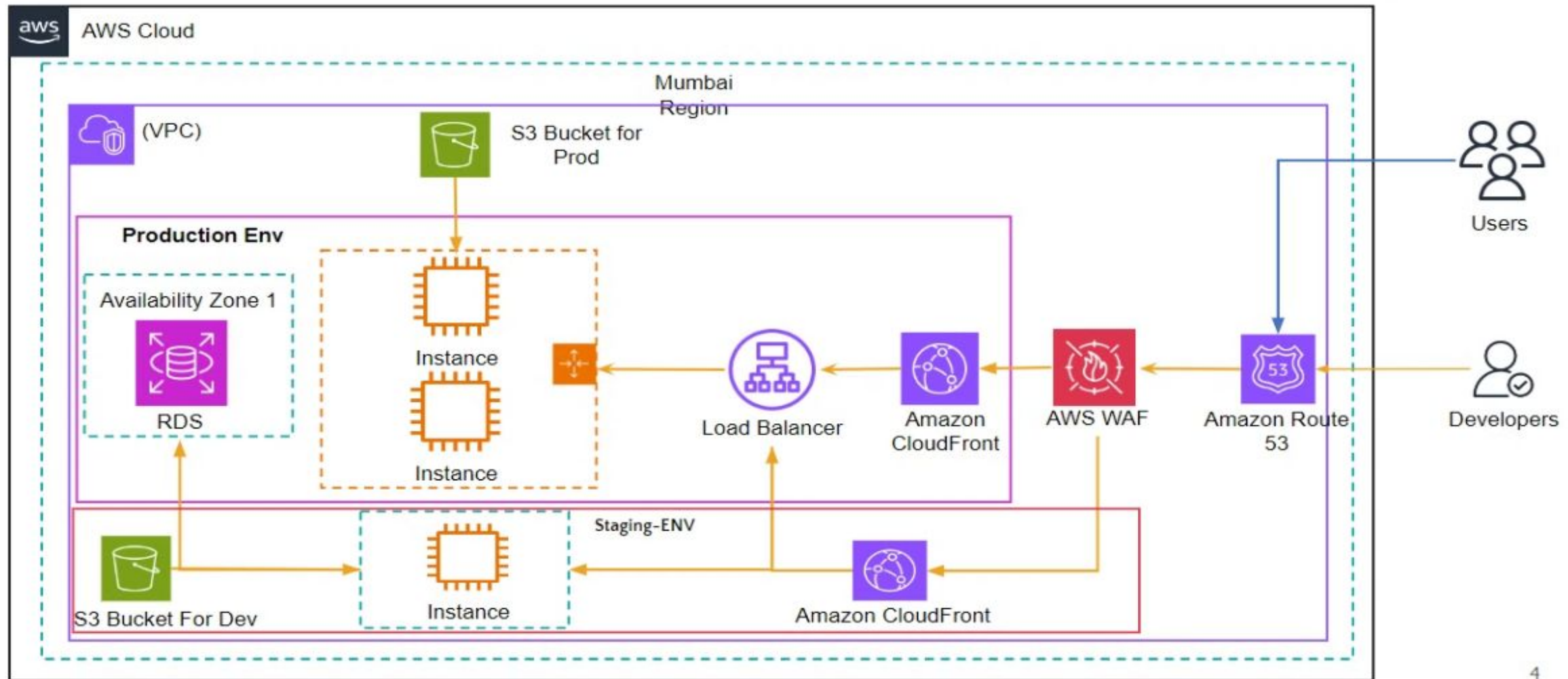
Content delivery network (CDN) for low latency and high transfer speeds, improving the end-user experience.

EC2 Instances

t3a.large EC2 instances in the production environment and t3a.medium instances in staging for optimized resource utilization.

Architecture Diagram

Clients Proposed Solution



4

Results and Benefits

The migration to AWS delivered significant improvements for Arhiant Capitals, resulting in increased efficiency, scalability, and user experience while reducing costs.



Operational Excellence

With CloudWatch, the company could monitor system performance in real-time, reducing troubleshooting times by 30%. The solution ensured quick identification and resolution of potential issues.



Scalability and Flexibility

By utilizing RDS PostgreSQL and EC2, Arhiant Capitals gained the ability to scale its infrastructure to accommodate increased demand. This resulted in a 25% improvement in handling peak loads without compromising performance.



Enhanced User Experience

CloudFront's integration significantly improved content delivery speeds, reducing latency by 40% and providing clients with faster access to the company's financial services.



Cost Optimization

AWS's pay-as-you-go model and resource optimization strategies, such as right-sizing EC2 instances, reduced the company's overall infrastructure costs by 20%, eliminating the need for large upfront hardware investments.

Next Steps

Arhiant Capitals plans to continuously optimize its AWS infrastructure by exploring advanced services like AWS Lambda for serverless computing and further expanding its use of AWS CloudFront for enhanced global content delivery. The company will also collaborate with its AWS Partner to explore the use of machine learning models for financial data analysis.

1 Serverless Computing with AWS Lambda

Arhiant Capitals aims to explore AWS Lambda to build serverless applications, reducing operational overhead and improving scalability.

2 Global Content Delivery with CloudFront

The company plans to enhance its global content delivery capabilities by expanding its use of CloudFront, ensuring fast and reliable access for customers worldwide.

3 Financial Data Analysis with Machine Learning

Arhiant Capitals will collaborate with its AWS Partner to leverage machine learning models for analyzing financial data, improving decision-making and gaining valuable insights.

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About Core5

Core5 Systems & Services Pvt. Ltd. is a system integrator and technology provider that specializes in delivering high-end IT technical and consulting solutions for businesses, organizations, and government entities. Core5's mission is to enhance its customer

**1**

Cloud Transformation Expertise

Core5 possesses deep expertise in cloud migrations and specializes in delivering tailored solutions that meet the specific needs of their clients.

2

Industry Focus

Core5 provides focused solutions for industries like financial services, healthcare, and manufacturing, ensuring a deep understanding of their client's needs and challenges.

