



Case Study

INTRODUCING AWS-POWERED TOURISM VOTING TRANSFORMATION.

At a Glance

In collaboration with our client, AceCloud focused on scalability and performance enhancements while completely transitioning a voting website from physical servers to the AWS platform, as a part of the “Incredible India” campaign. Key security measures, including AWS WAF, Amazon GuardDuty, and Amazon Inspector, ensured threat detection and monitoring. Leveraging AWS infrastructure facilitated seamless scalability and performance improvements, utilizing Amazon CloudWatch, Amazon CloudFront, and AWS Global Accelerator.

Data encryption via AWS KMS (Key Management Service) safeguarded sensitive voting information. The solution significantly increased performance by 55%, supporting millions of users during peak loads with the flexibility to scale infrastructure as needed. Real-time dashboard reports were delivered for informed decision-making, providing a resilient foundation for future tourism initiatives.

Outcomes

Leveraging Amazon CloudWatch, CloudFront, and AWS Global Accelerator enhanced performance and scalability, efficiently managing voting traffic. This led to a notable 55% performance increase without requiring additional servers.

Real-time dashboard reports enabled prompt decision-making for our client, leading to a 42% increase in voting participation from the previous year, reflecting heightened user trust and engagement with the secure platform.

Continuous threat detection and monitoring were ensured through the implementation of AWS WAF, Amazon GuardDuty, and Amazon Inspector, bolstering the overall security posture of the application.

Utilizing Amazon CloudWatch, CloudFront, and AWS Global Accelerator improved performance and scalability, efficiently managing voting traffic. This resulted in a remarkable 55% increase in performance without the need for extra servers.

The Client

Established in 2002, our esteemed client serves as the pivotal agency driving tourism development within the nation, particularly as a part of the “Incredible India” campaign. As the primary coordinating body, it harmonizes and bolsters the endeavors of State/Union Territory Governments, fosters private sector investment, amplifies promotional initiatives, and ensures a proficient pool of skilled manpower for the industry. With a comprehensive approach, our client stands as a cornerstone in shaping the tourism landscape, fostering growth, and enhancing the country's allure on the global stage.

The Challenge

The primary challenge for our client was ensuring scalability and performance during peak loads, as their outdated voting application was hosted on vulnerable servers and databases. This jeopardized the integrity of the voting process and user data confidentiality, exposing the system to serious security risks.

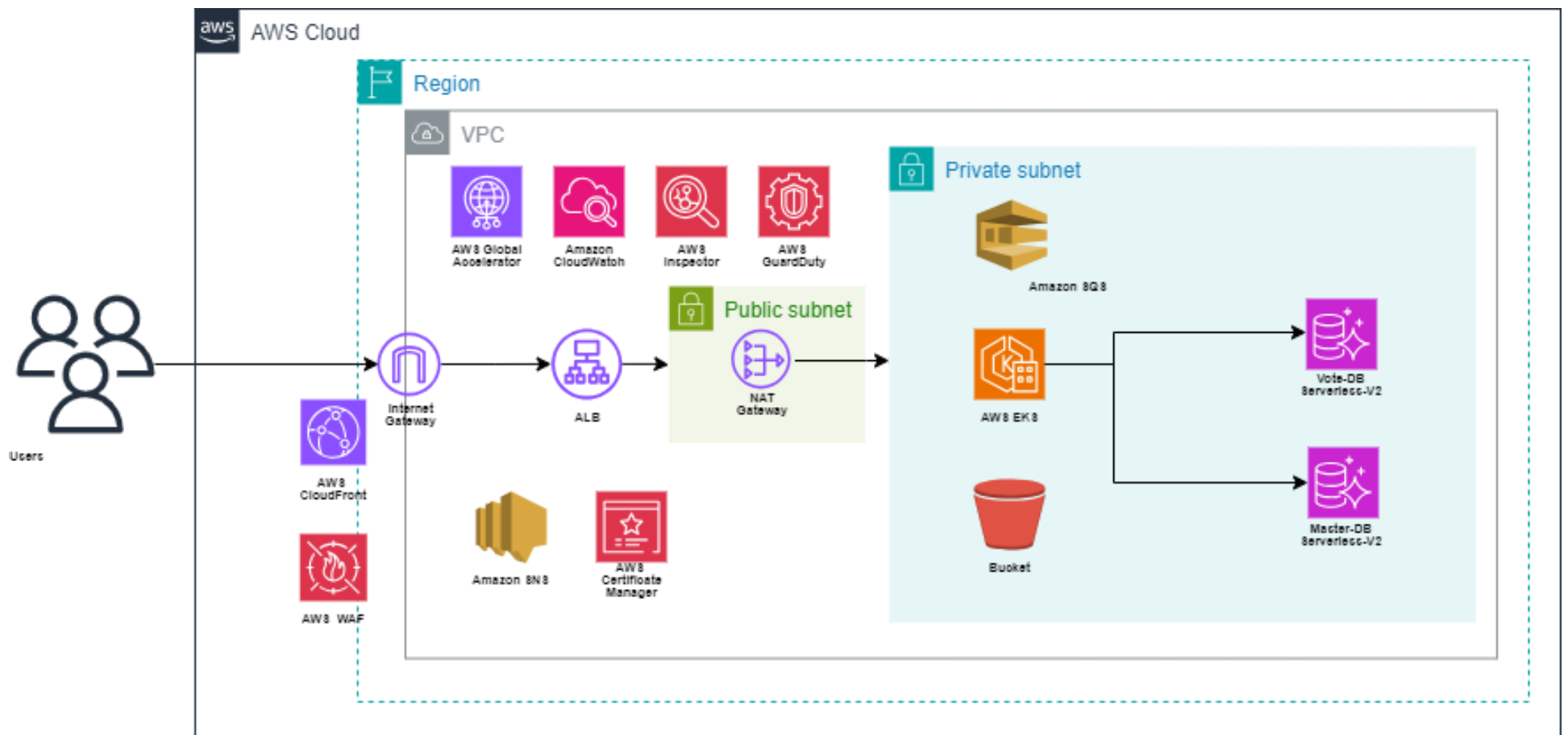
Additionally, the existing infrastructure lacked scalability and real-time analytics capabilities, hindering the ability to make informed decisions about tourism initiatives. This necessitated an immediate need for a comprehensive solution to modernize the voting platform, implement robust security measures, and provide actionable insights for effective decision-making.

The Solution

AceCloud engineered a comprehensive solution to modernize the tourism voting application, with a primary focus on scalability and performance enhancements. Leveraging the AWS cloud platform, AceCloud seamlessly optimized the application for efficiency. Amazon CloudWatch ensured robust monitoring, while Amazon CloudFront facilitated efficient content delivery, and AWS Global Accelerator enhanced availability and performance.

Security measures, including AWS WAF, Amazon GuardDuty, and Amazon Inspector, were seamlessly integrated to ensure continuous threat detection. Additionally, encryption mechanisms via AWS KMS safeguarded data integrity. By leveraging AWS's scalable infrastructure, the application efficiently managed varying voting traffic, ensuring a smooth and secure selection process for the best tourism state.

Architectural Diagram

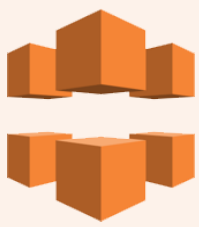


Results and Benefits

- Scalability and Flexibility:** Harnessing the AWS cloud infrastructure provides the flexibility to adjust the application's infrastructure seamlessly, scaling it to meet changing user needs and accommodate future expansion. Furthermore, transitioning to AWS empowers the application to support millions of users efficiently, ensuring smooth handling of elevated traffic volumes.
- Cost-Efficiency:** Utilizing AWS services optimizes costs associated with infrastructure management, maintenance, and security, resulting in efficient resource allocation and budget optimization for our client.
- Enhanced User Experience:** With a remarkable 42% increase in participation and a staggering 55% boost in performance, the platform's improved reliability and performance make voting effortless, fostering positive engagement and satisfaction with the tourism application.

- Mitigated Security Risks:** By fortifying the infrastructure with advanced security measures, including AWS WAF, Amazon GuardDuty, and Amazon Inspector, effectively mitigating the risk of data breaches and cyber-attacks, safeguarding its reputation and trust among stakeholders.

AWS Services Used



**Amazon
CloudFront**



**Amazon
CloudWatch**



**Amazon
GaurdDuty**



AWS KMS



**AWS Global
Accelerator**



**Amazon
Inspector**



**Amazon
S3**

About Us



Years of Exp

15+



Data Center

10+



Awards

100+

AceCloud is a leading provider of end-to-end cloud computing solutions to global organizations across industries at scale. It offers a full spectrum of cloud services, including Public Cloud, Application Hosting, AWS Services, Managed Security Services, and Hosted Virtual Desktop Solutions.

AceCloud is a brand of [Real Time Data Services](#) (RTDS) group of companies – a leading provider of information technology capabilities specializing in Cloud Computing and Cloud Telephony. RTDS Group has an employee base of 600+ across India, the US, and the UK, supporting over 20,000+ customers and IT infrastructure in 10+ data centers spanning the globe. It offers industry-leading technological solutions that help customers streamline their operations and enhance efficiency.

As an advanced consulting and certified AWS Well-Architected Partner, AceCloud recently achieved the prestigious AWS Storage Competency and is also recognized as an Amazon RDS Service Delivery Partner. These achievements underscore its deep expertise in AWS technologies and commitment to delivering high-quality cloud solutions.



- Public Sector
- Amazon RDS Delivery
- Storage Services Competency
- Well-Architected Partner Program



Contact Us

Are you ready to cut down your cloud spending? Contact AceCloud Experts today to get a customized quote.



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