Infrastructure-as-a-Service

January, 2024

Service Overview:

MarcViews Networks' Managed Infrastructure on **AWS** offers organizations a comprehensive solution for designing, deploying, and managing their infrastructure and workloads on the Amazon Web Services (AWS) cloud platform. Leveraging our team of certified AWS experts and best-in-class tools and practices, we provide end-to-end management and support for AWS environments, enabling clients to optimize performance, ensure security, and maximize the benefits of cloud computing.

Key Features:

☐ **AWS Architecture Design:** Customized design and architecture planning for AWS environments based on client requirements, best practices, and industry standards, ensuring scalability, reliability, and cost efficiency.

☐ **Infrastructure Provisioning:** Automated provisioning and deployment of virtual servers, storage, networking, and other AWS resources using Infrastructure as Code (IaC) tools such as AWS CloudFormation or Terraform.

☐ **Security Configuration:** Implementation and configuration of security controls, policies, and best practices to protect AWS resources and data, including network security, identity and access management (IAM), encryption, and compliance.

☐ **Monitoring and Performance Optimization:** Continuous monitoring of AWS infrastructure and workloads for performance metrics, resource utilization, and

security events, with proactive optimization and tuning to maximize efficiency and reliability.

☐ **Backup and Disaster Recovery:** Implementation and management of backup, replication, and disaster recovery solutions on AWS, leveraging services such as AWS Backup, Amazon S3, AWS Disaster Recovery, and AWS Glacier for data protection and business continuity.

☐ **Cost Management:** Cost monitoring, optimization, and forecasting to help clients manage and control AWS spending, including rightsizing of resources, utilization analysis, and recommendations for cost-saving strategies.

☐ **Compliance and Governance:** Implementation of compliance controls and governance policies to ensure adherence to regulatory requirements (e.g., GDPR, HIPAA, PCI DSS) and industry standards within AWS environments, with regular audits and reporting.

☐ **24/7 Support and Incident Response:** Round-the-clock support and incident response services from our team of AWS-certified engineers, providing rapid resolution of issues, troubleshooting, and escalation management as needed.

Benefits:

☐ **Scalability:** Scalable infrastructure solutions that can grow and adapt to the changing needs and demands of the organization, with flexible provisioning and management of AWS resources.

☐ **Reliability:** High availability, fault tolerance, and resilience of AWS environments through best practices in architecture design, redundancy, and disaster recovery planning.

☐ **Security:** Enhanced security posture with robust security controls, encryption, monitoring, and compliance enforcement to protect sensitive data and applications on AWS.

- ☐ **Cost Efficiency:** Cost-effective cloud solutions with optimized resource utilization, pay-as-you-go pricing, and cost management strategies to minimize spending and maximize ROI on AWS investments.

Technical Specifications:

- ☐ **AWS Services:** Utilization of a wide range of AWS services and features, including Amazon EC2, Amazon S3, Amazon RDS, Amazon VPC, Amazon CloudWatch, AWS Lambda, AWS IAM, and more.
- ☐ **Tools and Automation**: Deployment and management automation using AWS-native tools (e.g., AWS Management Console, AWS CLI, AWS SDKs) and third-party automation frameworks (e.g., Ansible, Chef, Puppet).

Why Choose MarcViews Networks' Managed Infrastructure on AWS?

MarcViews Networks' Managed Infrastructure on AWS offers organizations a reliable, scalable, and secure solution for managing their cloud infrastructure and workloads on the AWS platform. With our expertise in AWS architecture, security, and operations, combined with proactive monitoring, optimization, and support services, clients can trust MarcViews Networks to deliver cost-effective, efficient, and resilient cloud solutions tailored to their business needs and objectives.

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