Team Big Data

U-tification

Network Diagram

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Git Repository: https://github.com/JosephArmas/cecs-491A-Team-Big-Data

Version History

Current Version: V1

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Network Diagram

Visual Paradigm Online Free Edition

Given AWS URL: HTTPS Interacts User Public IP: HTTPS User Region: us-west-2 **AWS Cloud** Firewall Policies Allow California IPs: HTTPS Amazon S3 Incoming IPs: Restrict Any IPs: any port Static storage **AWS Network Firewall** Allow AWS Given Public IP: HTTPS and backup Outgoing IPs: Restrict 10.30.1.0: any port Restrict 10.30.2.0: any port Availability Zone: us-west-2a VPC: TBD-Utification-VPC TBD-Utification-subnet-IP: 10.30.0.0/16 Internet Gateway public1-us-west-2a IP: 10.30.1.0/24 WebServer Access Control List Allow California IPs: HTTPS Security group: Incoming IPs: Allow 10.30.2.0: TCP/IP WebServer-sg Outgoing IPs: 10.30.1.0: HTTPS, TCP/IP WebServer-ACL EC2 Instances WebServer Security Group Windows IIS Allow California IPs: HTTPS Incoming IPs: Web Server Allow 10.30.2.0: TCP/IP IP: 10.30.1.2 Outgoing IPs: Allow 10.30.1.2: HTTPS, TCP/IP DataStore Access Control List TBD-Utification-subnet-Incoming IPs: Allow 10.30.1.0: TCP/IP private1-us-west-2a Outgoing IPs: Allow 10.30.2.0: TCP/IP IP: 10.30.2.0/24 Security group: DataStore-sg DataStore Security Group Allow 10.30.1.0: TCP/IP Incoming IPs: Outgoing IPs: Allow 10.30.2.2: TCP/IP DataStore-ACL Amazon RDS SQL Server Data Store IP: 10.30.2.2

References

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Web Application Hosting in the AWS Cloud - AWS Whitepaper.

https://docs.aws.amazon.com/whitepapers/latest/web-application-hosting-best-practices/web-application-hosting-best-practices.pdf.