

## ISSA Nova 11/16/2023 Cloud Security Panel Moderator Questions

### Domain 1. Cloud Concepts, Architecture and Design.

1. Describe Architecture and Design considerations for Government systems, e.g., Social Security or IRS Taxes, versus E-Commerce systems.
2. Provide detailed guidance about security controls and how to set up their services in a more secure fashion.
3. What are strategies for Identity and Access Management (IDAM) including Attribute-Based Access Control (ABAC) and Role-Based Access Control (RBAC)?

### Domain 2. Cloud Data Security.

1. What are the data security considerations?
2. How is data at rest and data in transit via encryption implemented, including FIPS 140-2/3 requirements?
3. What Bring Your Own Key (BYOK) solutions are supported?

### Domain 3. Cloud Platform & Infrastructure Security.

1. How do you secure administrative access to your platform and the clients use of Infrastructure As A Service (IAAS)?
2. What Backup and recovery strategies are recommended?
3. What are provision and configuration options, e.g., rapid provisioning, resource changing, monitoring and reporting, metering, Service Level Agreement (SLA) management?

### Domain 4. Cloud Application Security.

1. Describe Application Security considerations including containerization.
2. What strategies do you use of patch management?

### Domain 5. Cloud Security Operations.

1. How is incident response, investigation, and recovery supported in the cloud?
2. Describe Portability/Interoperability options, e.g., data, service, system?

### Domain 6. Legal, Risk and Compliance.

1. What service level agreements and hosting options support U.S. only hosting and U.S. Citizen Cloud Service Provider (CSP) employees access?
2. What causes an organization to be “de-platformed” by a Cloud Service Provider (CSP)?