

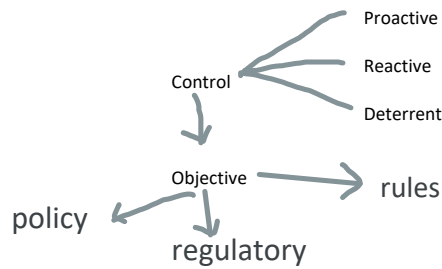
7 March Morning

Saturday, March 7, 2020 8:19 AM

Cognizant (Data Security)

Cloud Security Frameworks, Standards

- ISO/IEC 27017 & ISO 27018
- NIST 500-291 Version 2
- CSA - Cloud Security Guidance V4.0
- CSA : Cloud Control Matrix v3.0.1
 - A document saying which controls are provided to the consumer



Cloud Security Alliance

- Exam and certification
- Book

<https://cloudsecurityalliance.org/>

Securing Cloud

- Policy Enforcement
- Threat Protection
- Risk and Compliance Assessment
- Operational Monitoring
- API Integration

Cloud Workload Protection Platforms

- Native / Complementary tools protecting the workloads hosted on cloud
 - AV, HIPS, EDR
 - Memory Protection, Exploit Prevention
 - Application control, System Integrity assurance
 - Firewalls & Micro segmentation

PCI - Payment Card Industry Standard

- Set of requirements designed to ensure that all organizations that store, process or transmit cardholder data do so in a secure environment
- PCI DSS includes
 - Policies
 - Procedures
 - Network Architecture
 - Software Design
 - Other Protective Designs
- Mainly 6 categories
 - Build and maintain a secure network
 - Protect cardholder data
 - Maintain a vulnerability management program
 - Implement strong access control measures
 - Monitor and test networks
 - Maintain an information security policy

PCI DSS Components

- PA-DSS: Payment Application Data Security Standard
- P2PE : Point to point encryption
- PTS: Pin Transaction Security
 - These devices are used by merchants to capture user payment data

HIPPA: Health Insurance Portability and Accountability act

- Requires adoption of national standards for electronic health care transactions and code sets

HITECH: Health Information Technology for Economics and Clinical Health Act

- Includes legal liability for non-compliance

