

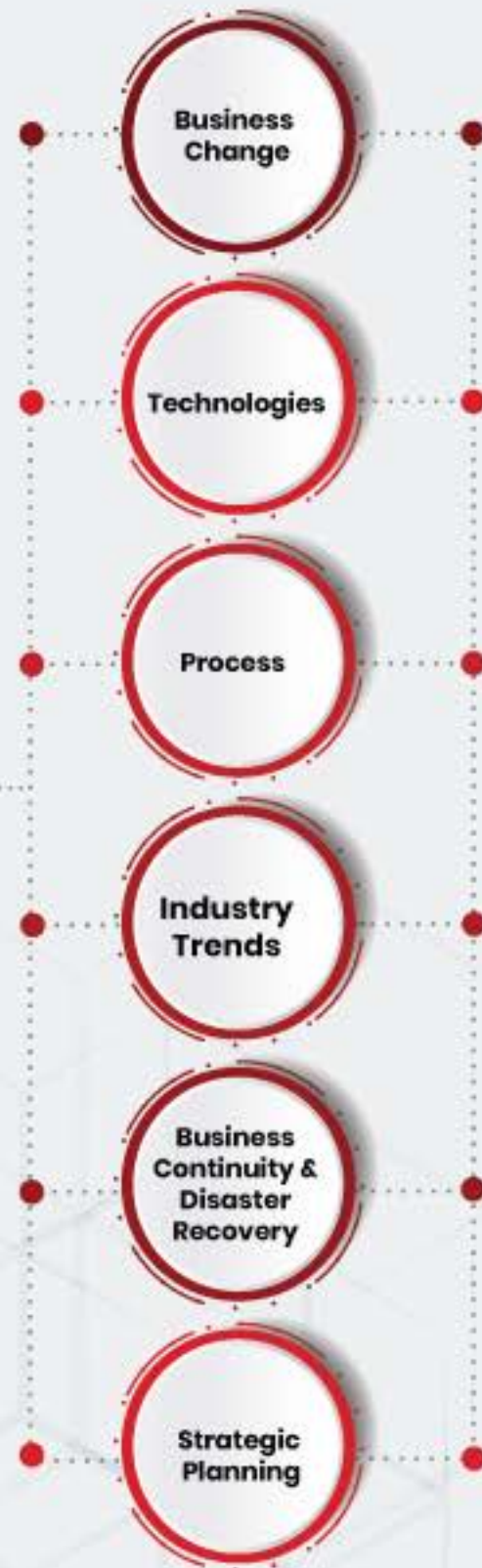
Understanding the Roles and Responsibilities of a **CISO**

A presentation by the International CISO Advisory Board





Business Enablement



- * Risk Assessment
- * Integration Cost
- * Security Maturity Evaluation
- * Cyber Risk Management

- * **Cloud**
 - * Architecture
 - * Policy, Guidelines & Compliance
 - * Risk Evaluation
 - * Ownership, Liability & Incidents
 - * SAAS Strategy
 - a. Vendor's Financial Stability
 - b. SLAs
 - c. Infrastructure Audit
 - d. Application Security
 - e. Application Architecture
 - f. Disaster Recovery
 - g. Integrating Identity & Access Management (Federated SSO)
 - h. Policies & Guideline
- * **Mobile Technologies**
 - o Policy
 - o Technology
 - o Lost or Stolen Devices
 - o Mobile Apps
 - o Data Security

- * Evaluating New and Emerging Technologies
- * Data Analytics
- * AR/VR
- * BlockChain
- * AI & ML
- * IOT
 - o IOT Frameworks
 - o Device Security
 - o Communication protocols
 - o Identity, Authentication & Integrity
 - o OTA (Over-The-Air) updates
 - a. IOT Use Cases
 - b. Track and Trace
 - c. Monitoring
 - d. User Experience
 - e. Smart Grid
 - o IOT Frameworks
- * Security Research
 1. Bug Bounty
 2. Responsible Disclosure Programs

- * Business Alignment
- * Cyber Roadmap Planning
- * Training & Development



Digital Leadership

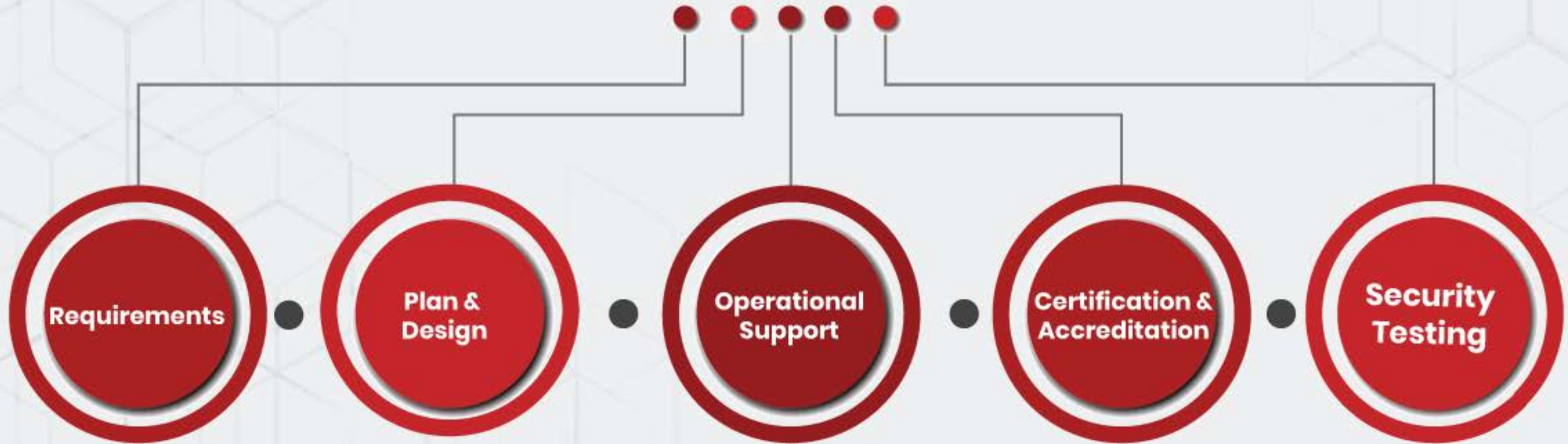
**Cyber Security
Leader**

Negotiating

**Cyber security
vision**

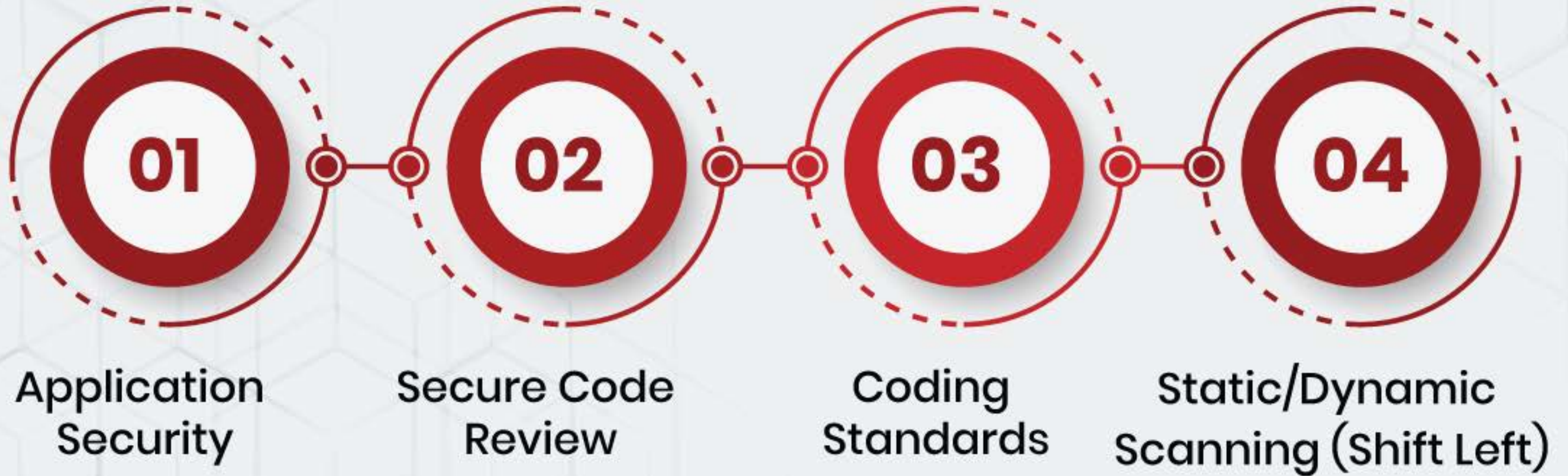


Project Delivery



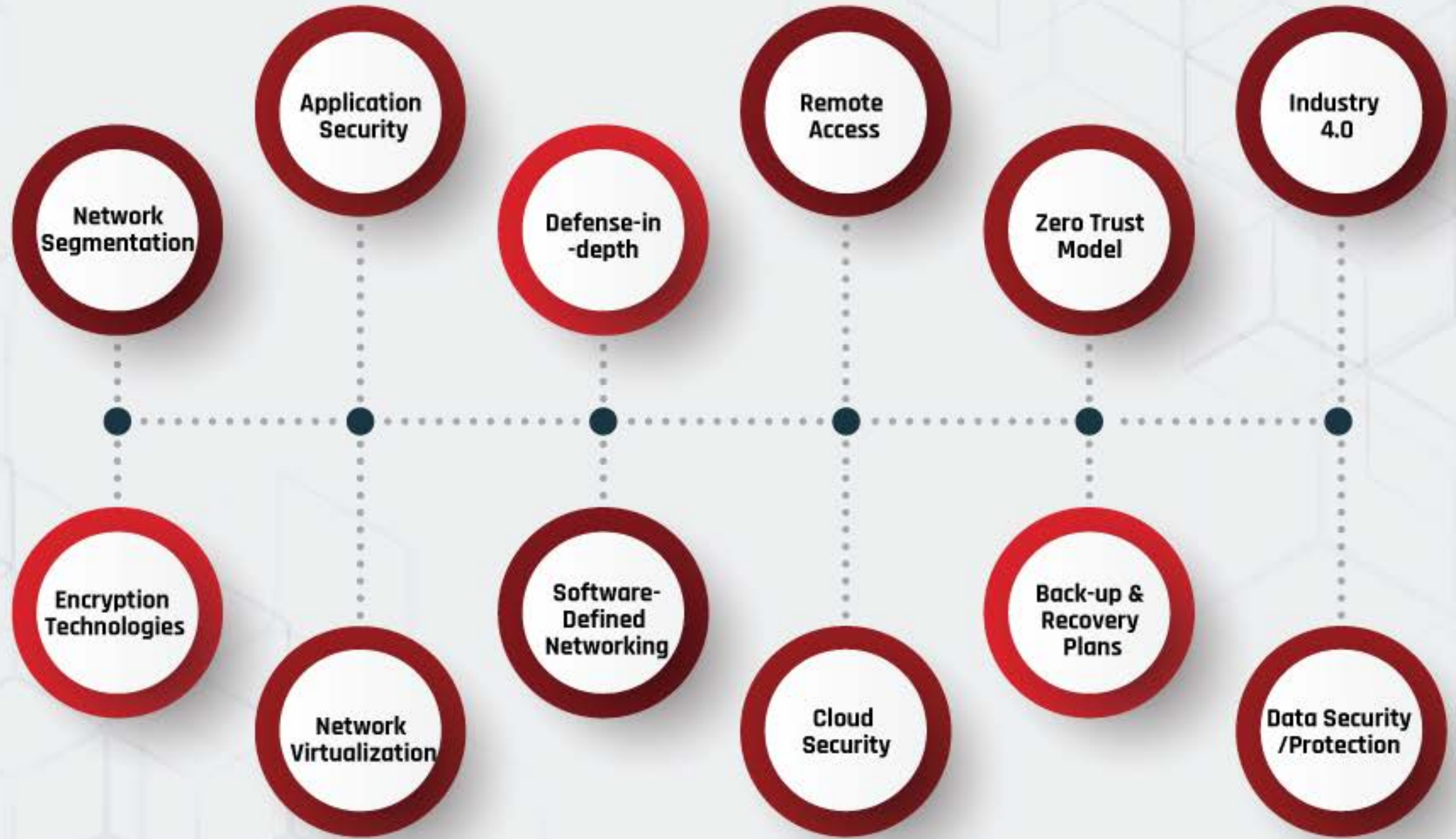


DevSecOps

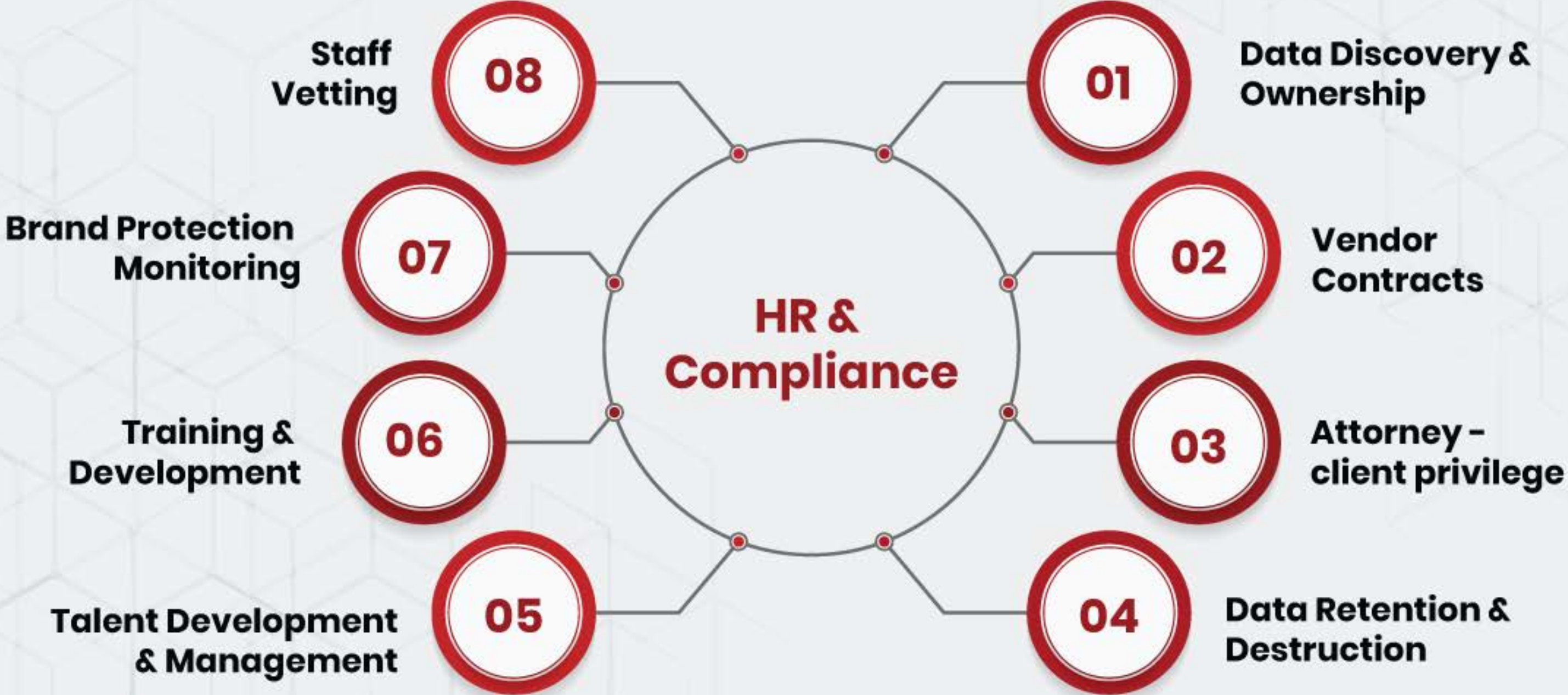




Security Architecture



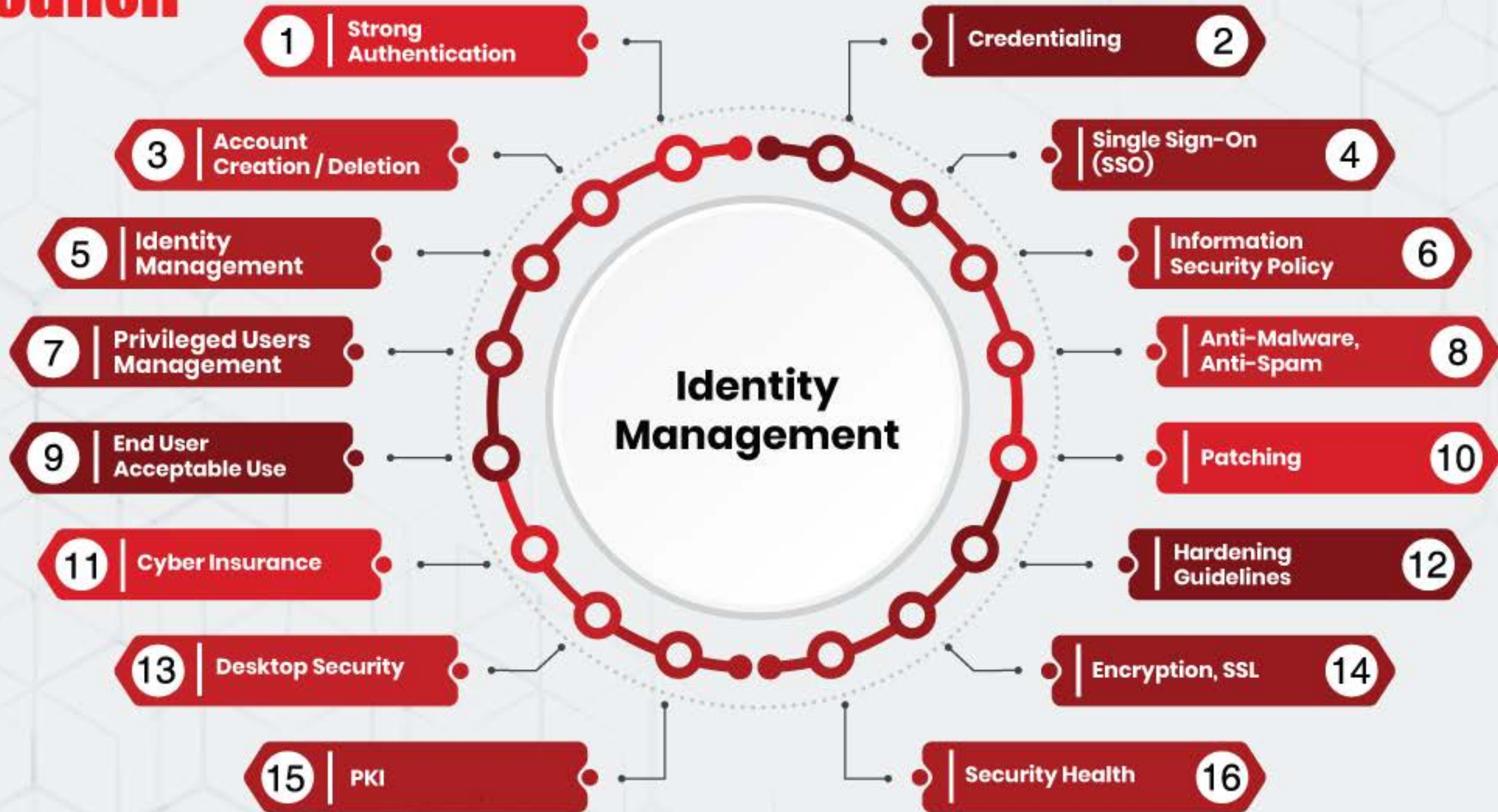






Risk Management

- 1 Physical Security
- 2 Ongoing Risk Assessment/
Pen Testing
- 3 Integration to Project
Delivery
- 4 Code reviews
- 5 Risk Assessment
Methodology & Framework
- 6 Policies & Procedures
- 7 Phishing & Associate
Awareness
- 8 Third Party Risk
Assessment
- 9 Data-Centric Approach
 1. Data Discovery
 2. Data Classification
 3. Access Control
 4. Data Loss Prevention
 5. Partner Access
 6. Encryption/Masking
 7. Monitoring & Alerting

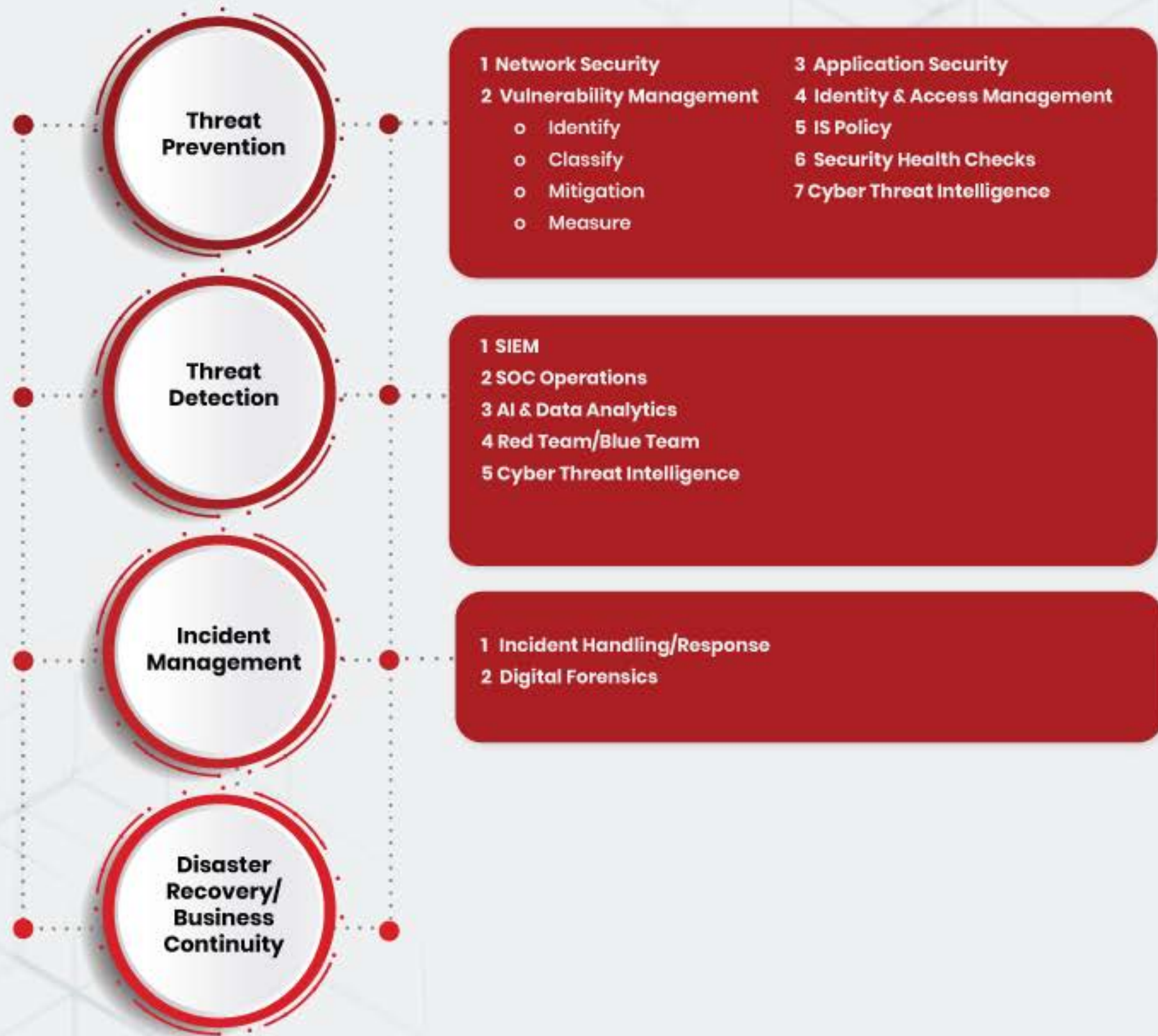




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- RMF
- ISO
- COBIT
- COSO



Security Operations



EC-Council

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