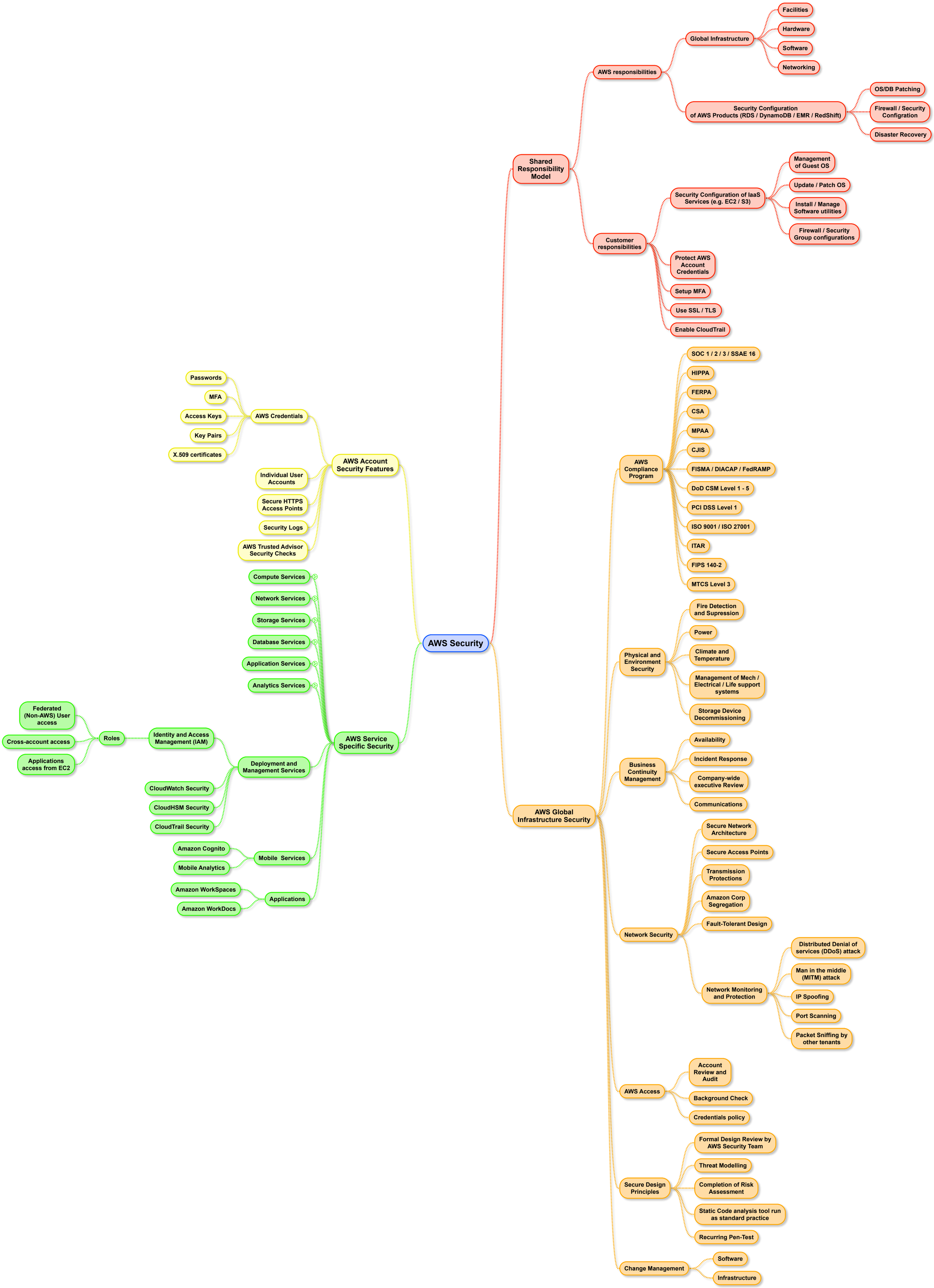
AWS Security
Shared Responsibility Model
AWS responsibilities
Global Infrastructure
Facilities
Hardware
Software
Networking
Security Configuration of AWS Products (RDS / DynamoDB / EMR / RedShift)
OS/DB Patching
Firewall / Security Configration
Disaster Recovery
Customer responsibilities
Security Configuration of IaaS Services (e.g. EC2 / S3)
Management of Guest OS
Update / Patch OS
Install / Manage Software utilities
Firewall / Security Group configurations
Protect AWS Account Credentials
Setup MFA
Use SSL / TLS
Enable CloudTrail
AWS Compliance Program
SOC 1 / 2 / 3 / SSAE 16
HIPPA
FERPA
CSA
MPAA
CJIS
FISMA / DIACAP / FedRAMP
DoD CSM Level 1 - 5
PCI DSS Level 1
ISO 9001 / ISO 27001
ITAR
FIPS 140-2
MTCS Level 3
AWS Global Infrastructure Security
Physical and Environment Security
Fire Detection and Supression
Power
Climate and Temperature
Management of Mech / Electrical / Life support systems
Storage Device Decommissioning
Business Continuity Management
Availability
Incident Response
Company-wide executive Review
Communications
Network Security
Secure Network Architecture
Secure Access Points
Transmission Protections
Amazon Corp Segregation
Fault-Tolerant Design
Network Monitoring and Protection
Distributed Denial of services (DDoS) attack
Man in the middle (MITM) attack
IP Spoofing
Port Scanning
Packet Sniffing by other tenants
AWS Access
Account Review and Audit
Background Check
Credentials policy
Secure Design Principles
Formal Design Review by AWS Security Team
Threat Modelling
Completion of Risk Assessment
Static Code analysis tool run as standard practice
Recurring Pen-Test
Change Management
Software
Infrastructure
AWS Account Security Features
AWS Credentials
Passwords
MFA
Access Keys
Key Pairs
X.509 certificates
Individual User Accounts
Secure HTTPS Access Points
Security Logs
AWS Trusted Advisor Security Checks
AWS Service Specific Security
Compute Services
Network Services
Storage Services
Database Services
Application Services
Analytics Services
Identity and Access Management (IAM)
Roles
Federated (Non-AWS) User access
Cross-account access
Applications access from EC2
Deployment and Management Services
CloudWatch Security
CloudHSM Security
CloudTrail Security
Mobile Services
Amazon Cognito
Mobile Analytics
Applications
Amazon WorkSpaces
Amazon WorkDocs