

Business Principles	Architecture Principles	Business Opportunities	Business Strategy	Business Requirements	Business Capability	Regulatory Compliance	Channels	Technology Strategy	Technology Capability	Technology Architecture	Data Types
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Security Drivers and Requirements														
Situational Awareness	Industry Standards and Regulations	Principles	Policies, Standards and Guidelines	Security Patterns	Procedures	Compliance Audit	Enforcement Mandate	Contract Definition	Education and Awareness	Performance Metrics	Cyber Threats	Technology Threats	Business Threats	Security Testing Output

Security Controls

Network Security										Endpoint Security										Physical Security			Web Services Security			Vulnerability Management									
Micro Segmentation	Application Control	Content Security	Perimeter Defense	Geolocation	Network Time (NTP)	Network Access Control	Wireless	Network Monitoring	Managed Services	Network Encryption	Out of Band Networking	Endpoint Defense	Disk Encryption	Network Access Control	Secure Config Baselines	Logging and Monitoring	Process Protection	Sandboxing	Memory Protection	User and Endpoint Behaviour Analysis (UEBA)	Cabinet Security	Physical Asset Control	CCTV/Monitoring	Security Passes - Identity	Physical Access Control	Logging and Monitoring	Data Origin Authentication	Data Confidentiality	Brokered Authentication	Direct Authentication	Logging and Monitoring	Source Code Integrity Checking	Vulnerability Scanning	Build Compliance	Patching
Application Control	Email Inspection and Control	Web Inspection and Control	IDS/IPS	UTM/Next Gen	Deep Packet Inspection	Network Access Control	Pre Authentication (802.1x)	Guest Network	Encryption	Network Behaviour Analysis/Network Anomaly Detection	Logging and Monitoring	Network Forensics	Network Management Tooling	Network Monitoring Tooling	DDOS Protection	Layer 2 encryption	Transport Layer Security	Virtual Private Networking	Layer 2 encryption	Layer 2 encryption	Layer 2 encryption	Layer 2 encryption	Layer 2 encryption	Layer 2 encryption	Layer 2 encryption	Layer 2 encryption	Layer 2 encryption	Layer 2 encryption	Layer 2 encryption	Layer 2 encryption	Layer 2 encryption	Layer 2 encryption	Layer 2 encryption	Layer 2 encryption	Layer 2 encryption

Data Security										Identity And Access Management										Virtualisation												
Database Security	Database Activity Monitoring	Database Assessment	Database Encryption	CASB - DLP	Storage DLP	Database DLP	Physical Media Control	Network DLP	Endpoint DLP	Content Discovery	Web Gateway DLP	Email DLP	File/Folder	Encryption	Access Management	Logging and Monitoring	File Activity Monitoring	Entitlement Management	Application Encryption	SAN/NAS Encryption	Email Encryption	Web Gateway DLP	File/Folder	Encryption	Access Management	Logging and Monitoring	Virtual Networking Security	Virtualisation Infrastructure security	Shared Storage	Resource Utilisation Management	Segregation Control	Access Control
Database Security	Database Activity Monitoring	Database Assessment	Database Encryption	CASB - DLP	Storage DLP	Database DLP	Physical Media Control	Network DLP	Endpoint DLP	Content Discovery	Web Gateway DLP	Email DLP	File/Folder	Encryption	Access Management	Logging and Monitoring	File Activity Monitoring	Entitlement Management	Application Encryption	SAN/NAS Encryption	Email Encryption	Web Gateway DLP	File/Folder	Encryption	Access Management	Logging and Monitoring	Virtual Networking Security	Virtualisation Infrastructure security	Shared Storage	Resource Utilisation Management	Segregation Control	Access Control

Security Management										Cloud Security										Internet of Things (IoT)																				
Security Operations Tooling	Vulnerability Management	Crypto Management	System Management	Security Incident Management	Forensics	Business Continuity	Service Continuity Tooling	Business Continuity Management Tooling	Disaster Recovery Testing and Tooling	Malware Forensics	Computer Forensics	Cloud Security Access Broker	Enforcement	Access Control	Single Sign On	Logging	DLP	Encryption	Data Tokenisation	Authentication	Secure Dev Ops Tooling	Logging and Monitoring	Build Configuration and Control	Cloud Hardening	Network Threat Detection	Just in Time Access	Disk Encryption	Threat Detection	Adaptive Application Controls	Cloud Firewall Appliances	Application Gateway	Directory Services	DDOS Protection	API Gateway	Key Vault	VPN Gateway	Information Protection	Cloud HSM	Cloud Access Governance	Conditional Access
Security Operations Tooling	Vulnerability Management	Crypto Management	System Management	Security Incident Management	Forensics	Business Continuity	Service Continuity Tooling	Business Continuity Management Tooling	Disaster Recovery Testing and Tooling	Malware Forensics	Computer Forensics	Cloud Security Access Broker	Enforcement	Access Control	Single Sign On	Logging	DLP	Encryption	Data Tokenisation	Authentication	Secure Dev Ops Tooling	Logging and Monitoring	Build Configuration and Control	Cloud Hardening	Network Threat Detection	Just in Time Access	Disk Encryption	Threat Detection	Adaptive Application Controls	Cloud Firewall Appliances	Application Gateway	Directory Services	DDOS Protection	API Gateway	Key Vault	VPN Gateway	Information Protection	Cloud HSM	Cloud Access Governance	Conditional Access

Application Security Controls										Security Testing and Code Validation																																				
Auditing	Access Control - Authorisation	User and Application Authentication	Encryption within the Application	Session Management	Integrity Controls	Partitioning	Application Testing	Secure Development	Web Application Assessment	Managed Testing	Security Function Separation	Application Partitioning	Application Code Partitioning	Data at Rest Integrity controls	Code Control	Input Validation (bounds checking etc)	Memory Protection	Tamper Resistance and Detection	Session Authenticity	Concurrent Session Control	Session Auditing	Session Lock	Session Termination	Credential Encryption (TLS, Channel Encryption (TLS, etc)	Application Encryption	Single Sign On	Denial of Service Protection	Previous Logon Notification	Unsuccessful Login Controls	Directory (LDAP)	Bespoke Authentication	Application Federation (Web Services)	Browser based Federation (SAML, ADFS)	Web (Forms, BA)	Separation of Duties	Incompatible Role Definition and Toxic Combination Detection	Least Privilege controls	Application Logic controlled access control	ACL's - Client (Hosts allowed to use)	ACL's - Bespoke	Role Based Access Model	ACLs - Database	ACLs - File system	Application Component Activity Logging	Application - Operational Support Activity Logging	Application - Business Activity Logging
Auditing	Access Control - Authorisation	User and Application Authentication	Encryption within the Application	Session Management	Integrity Controls	Partitioning	Application Testing	Secure Development	Web Application Assessment	Managed Testing	Security Function Separation	Application Partitioning	Application Code Partitioning	Data at Rest Integrity controls	Code Control	Input Validation (bounds checking etc)	Memory Protection	Tamper Resistance and Detection	Session Authenticity	Concurrent Session Control	Session Auditing	Session Lock	Session Termination	Credential Encryption (TLS, Channel Encryption (TLS, etc)	Application Encryption	Single Sign On	Denial of Service Protection	Previous Logon Notification	Unsuccessful Login Controls	Directory (LDAP)	Bespoke Authentication	Application Federation (Web Services)	Browser based Federation (SAML, ADFS)	Web (Forms, BA)	Separation of Duties	Incompatible Role Definition and Toxic Combination Detection	Least Privilege controls	Application Logic controlled access control	ACL's - Client (Hosts allowed to use)	ACL's - Bespoke	Role Based Access Model	ACLs - Database	ACLs - File system	Application Component Activity Logging	Application - Operational Support Activity Logging	Application - Business Activity Logging

Security Business Capability										Risk Management, Compliance and Governance																									
Certificate Management	Intelligence	Security Testing	Security Operations Centre	Security Test Management	Misuse and Abuse Case Development	Threat Hunting	Continuous Improvement	Security Incident Management	Security Monitoring	Red/Purple/Blue Team Testing	Ad Hoc Application Penetration Tests	Annual Application Penetration Tests	Ad Hoc Infrastructure Penetration Tests	Annual Infrastructure Penetration Tests	External Vulnerability Scanning	Internal Vulnerability Scanning	Regulatory Advisories	Brand Management	Security Advisories and Notifications	External Certificates Management	Internal Certificates Management	Cloud Security Insight	Key Management	Business Continuity Management	Anti Malware Management	Remote Access Management	Patch Management	Privileged User Management	Protective Monitoring	Incident Management	Vulnerability Scanning	Build Compliance	Identity Management	Data Loss Prevention	Cloud Monitoring
Certificate Management	Intelligence	Security Testing	Security Operations Centre	Security Test Management	Misuse and Abuse Case Development	Threat Hunting	Continuous Improvement	Security Incident Management	Security Monitoring	Red/Purple/Blue Team Testing	Ad Hoc Application Penetration Tests	Annual Application Penetration Tests	Ad Hoc Infrastructure Penetration Tests	Annual Infrastructure Penetration Tests	External Vulnerability Scanning	Internal Vulnerability Scanning	Regulatory Advisories	Brand Management	Security Advisories and Notifications	External Certificates Management	Internal Certificates Management	Cloud Security Insight	Key Management	Business Continuity Management	Anti Malware Management	Remote Access Management	Patch Management	Privileged User Management	Protective Monitoring	Incident Management	Vulnerability Scanning	Build Compliance	Identity Management	Data Loss Prevention	Cloud Monitoring

Service Management Capability (based on ITIL descriptions)														
Software Version Management	Asset and Configuration Management	Backup and Recovery	Network Management	Licence Management	Change and Release Management	Problem Management	Service Level Management	Service Continuity Management	Deployment Compliance	Release and Deployment Management	Cloud Monitoring and Management	Release Testing	Release Management	Continuous Service Improvement