Vulnerability Assessment & Penetration Testing (VAPT) Datasheet

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About Us

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databrackets is committed to safeguarding organizations from cyber threats and ensuring their business continuity in adverse situations. We believe every company deserves to be protected against cyber challenges by reducing their overall risk, including vendor-related risks. Our approach incorporates **compliance frameworks, security standards and regulatory requirements** to drive investments in security technology, employee training, and strong cyber hygiene practices. Our services include a self-assessment platform and consultation with certified security specialists.

CIS Center for Internet Security

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

CYBER AB CMMC CERTIFICATION REGISTERED PRACTITIONER ORGANIZATION RPO

CYBER AB CMMC CERTIFICATION REGISTERED PRACTITIONER

CYBER AB CMMC CERTIFICATION REGISTERED PRACTITIONER ADVANCED

CAICO CERTIFIED CMMC PROFESSIONAL

IAS ACCREDITED Training Agency

CISA Certified Information Systems Auditor An ISACA® Certification

CISM Certified Information Security Manager An ISACA® Certification

CISSP® Certified Information Systems Security Professional

Certified Information Privacy Professional CIPP iapp

Certified Information Privacy Manager CIPM iapp

Certified Information Privacy Technologist CIPT iapp

A2LA ACCREDITED

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Overview

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DIY PLATFORM

DIY assessments, employee training, customized policies & procedures and much more…

CONSULTING

Professional services to help you with your Compliance needs

MANAGED SECURITY

Managed compliance and security services that focus on your key business outcomes

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All Services

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Compliance Tools - DIY / Consulting / Hybrid

- HIPAA, Staff Training
- MIPS (Security Risk Assessment)
- 21 CFR Part 11 (FDA)
- OSHA (Healthcare), Staff Training
- Vendor Risk Assessment
- ISO 27001 Certification
- ISO 27701
- SOC 2 Readiness Prep
- NIST Cybersecurity Framework (CSF)
- NIST 800-53
- NIST 800-171, Staff Training
- CMMC 2.0
- ITAR
- SANS Top 20
- CIS Controls & Benchmarks
- CIS AWS / Azure / Google Benchmarks
- CIS MS 365 Foundations
- CAIQ Cloud Security Alliance
- FERPA, HECVAT
- PDPA (Thailand)
- OWASP Top 10
- PCI DSS
- GDPR, Staff Training
- CCPA, PIPEDA
- SAMA Cybersecurity Framework
- NYDFS, GLBA
- FTC Safeguards Rule
- Security Awareness Training
- Phishing Awareness Training
- Customized Assessments / Training

Managed Security

- Security Risk Assessment
- Pen Testing
- Vulnerability Assessment
- Threat Intelligence
- SOC & SIEM
- Security Incident Management
- Dark Web Monitoring
- vCISO
- Vendor Risk Management

Other Services

- Audit Support As A Service
- Security Tech Consulting
- Staffing Cybersecurity Job Roles
- IT Audit

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VAPT Objectives

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- Comprehensive security testing
- Discover vulnerabilities of web & mobile app, internal, external network and other systems
- Assist in meeting compliance requirements of Customer SAQ, PCI, GDPR, etc.

Background

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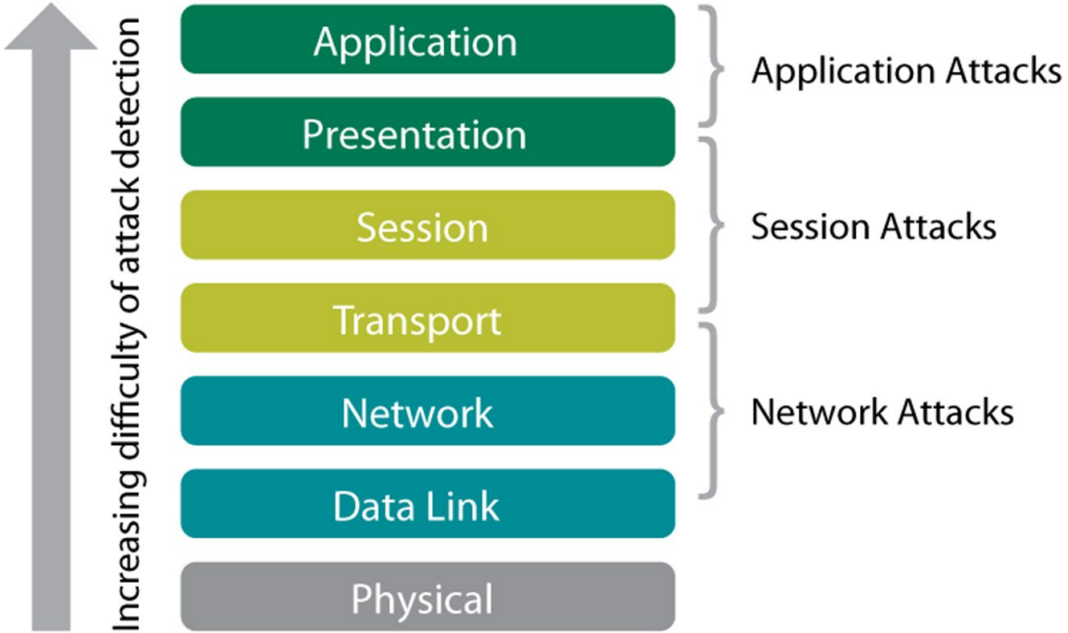
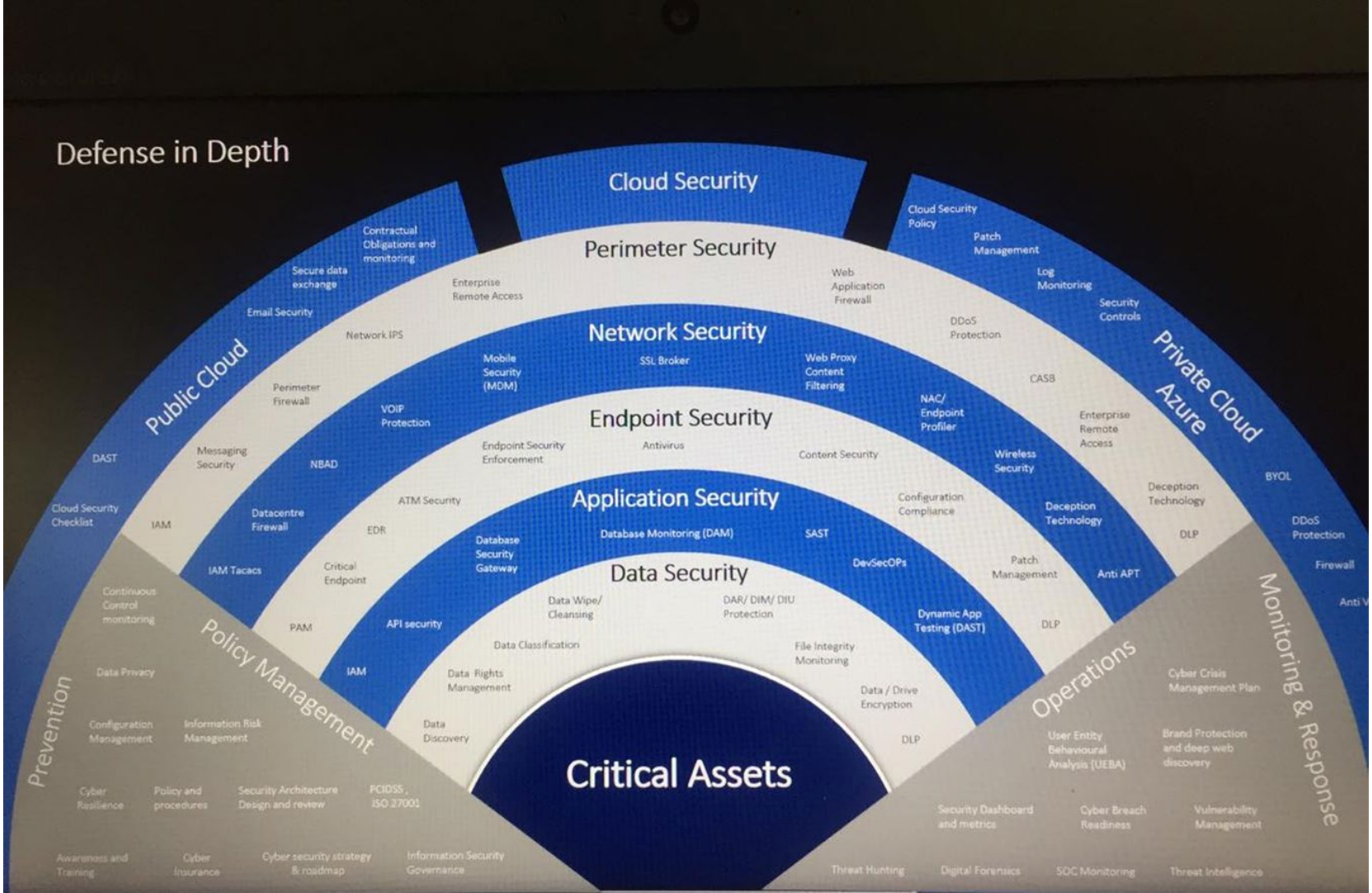
2 distinct objectives:

- Vulnerability assessment tools discover which vulnerabilities are present
- A penetration test attempts to utilize the vulnerabilities in a system to determine if any unauthorized access or other malicious activity is possible and identify the threats.




Defense in Depth
Cloud Security
Perimeter Security
Network Security
Endpoint Security
Application Security
Data Security
Critical Assets
Public Cloud
Private Cloud
Azure
Prevention
Policy Management
Operations
Monitoring & Response
Contractual Obligations and monitoring
Secure data exchange
Email Security
Network IPS
Enterprise Remote Access
Web Application Firewall
Cloud Security Policy
Patch Management
Log Monitoring
Security Controls
DDoS Protection
CASB
Enterprise Remote Access
Deception Technology
BYOL
DDoS Protection
Firewall
Anti APT
DLP
Patch Management
Dynamic App Testing (DAST)
DevSecOPs
SAST
Database Monitoring (DAM)
Database Security Gateway
Wireless Security
NAC/ Endpoint Profiler
Configuration Compliance
Content Security
Antivirus
Endpoint Security Enforcement
Mobile Security (MDM)
SSL Broker
Web Proxy Content Filtering
VOIP Protection
NBAD
ATM Security
Perimeter Firewall
Datacentre Firewall
EDR
Critical Endpoint
Messaging Security
DAST
IAM
IAM Tacacs
PAM
API security
Data Wipe/ Cleansing
DAR/ DIM/ DIU Protection
Data Classification
File Integrity Monitoring
Data Rights Management
Data / Drive Encryption
Data Discovery
DLP
Cloud Security Checklist
Continuous Control monitoring
Data Privacy
Configuration Management
Information Risk Management
Cyber Resilience
Policy and procedures
Security Architecture Design and review
PCIDSS , ISO 27001
Awareness and Training
Cyber Insurance
Cyber security strategy & roadmap
Information Security Governance
Cyber Crisis Management Plan
User Entity Behavioural Analysis (UEBA)
Brand Protection and deep web discovery
Security Dashboard and metrics
Cyber Breach Readiness
Vulnerability Management
Threat Hunting
Digital Forensics
SOC Monitoring
Threat Intelligence

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VULNERABILITY ASSESSMENT & PEN TESTING METHODOLOGY

STEP 1

REQUIREMENT GATHERING

- User Roles
- Business Flow
- Online Footprint

STEP 2

IDENTIFY PLATFORMS

- Application
- Internal Network
- External Network
- Cloud Infrastructure
- Mobile
- IoT

STEP 3

RISK ANALYSIS

- Vulnerability
- Threat
- Impact
- Priority

STEP 4

GATHER EVIDENCE

- Scan Results
- Screenshots
- Outputs
- Other findings

STEP 5

REPORT

- Technical Report
  i) Findings
  ii) Recommendations
- Executive Summary Report

STEP 6

RETEST

- Remediation
- Re-test
- Continuous Testing

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Vulnerability Assessment Areas

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- External network infrastructure
- Internal network infrastructure
- Web/Mobile Applications
- Servers and systems where data is processed

Penetration Testing Areas

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- Black Box Penetration Testing

Review of vulnerabilities that could be exploited by external users without credentials or the appropriate rights to access a system

- White Box Penetration Testing

Protection from internal threats and ensures that internal user privileges cannot be misused.

- Web Application Penetration Testing
- Mobile Application Penetration Testing
- Wireless Network Penetration Testing
- IoT and Internet-Aware Device Testing
- Social Engineering Penetration Testing

Timeline

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- The following is an indicative timeline for VAPT (Blackbox Testing). The timelines for exploitation and data analysis may vary depending on the **complexity of operations.**

Deliverables

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Reports:

- Pen Test Report Summary (For external consumption) - PDF
- Detailed Technical Report (For internal consumption) - PDF
- Remediated Results Summary (For internal/external consumption) - PowerPoint

Deliverables

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Report Format:

A. Introduction

- Objectives of the assignment
- Scope of the assignment
- Standards, methods and tools used
- Timeline of the assignment

B. Management Summary

- High-level findings
- High-level recommendations
- Graphical summary

C. Technical Report

- This section will contain vulnerabilities exploited with recommendations

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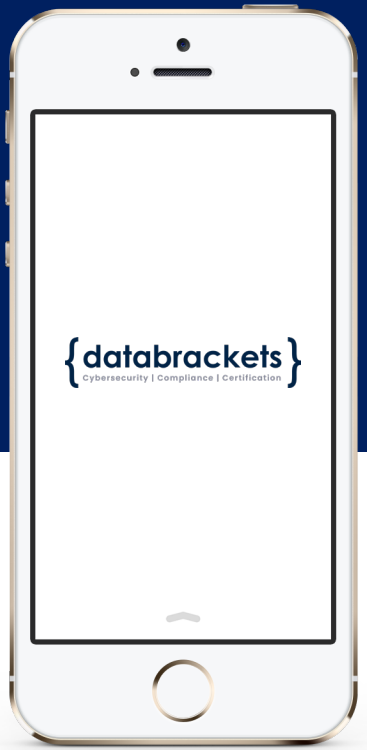

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