

# Cyber Security

## Blue Team

- Threat Intelligence
- DLP ( Data Leak/Loss Prevention)
- Antivirus / EDR Management
- SIEM ( Security Incident & Event Monitoring)
- (SOC) Security Operations Center
- (WAF) Web Application Firewall
- Incident Handling & Response
- Firewall / Network / VPN /Proxy Management
- Malware Analysis
- Digital Forensics
- Threat Hunting
- Reverse Engineering
- Email Security
- Detection Engineering

## Red Team

- Vulnerability Assessment
- Source Code Review
- Penetration Testing
  - Infrastructure Pentest ( network , IoT, User Machines, Active Directory....)
  - Web Application Security {Apps | Web | API }
  - Mobile Pentest
    - Android Pentest
    - iOS Pentest
- Security Research

the departments can be clubbed together or be separate like PT team also doing cloud PT , & VAPT .. or Code review.. There is no hard line difference , teams can do more than one function

## Cloud Security

- Cloud Infra {AWS | Azure | GCP....}
- Docker & Container Security
- DevSecOps

## GRC (Governance Risk & Compliance)

- Audits
- Compliance Reports - SOCI, SOC2, SOX, ISO-27001 and more
- Risk Management and Process Validation

## Identity & Access Management

- Privilege and Access Management
- Identity Management
- Login - Single Sign-on , SAML, OAuth.
- Active Directory, LDAP , Azure AD
- CyberArk Management, Okta, 2FA/MFA
- IAM on other AWS, GCP , Azure or any platforms

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Organization Structures decide if SOC/ IHR / SIEM /WAF.... these act standalone department or handled by same team