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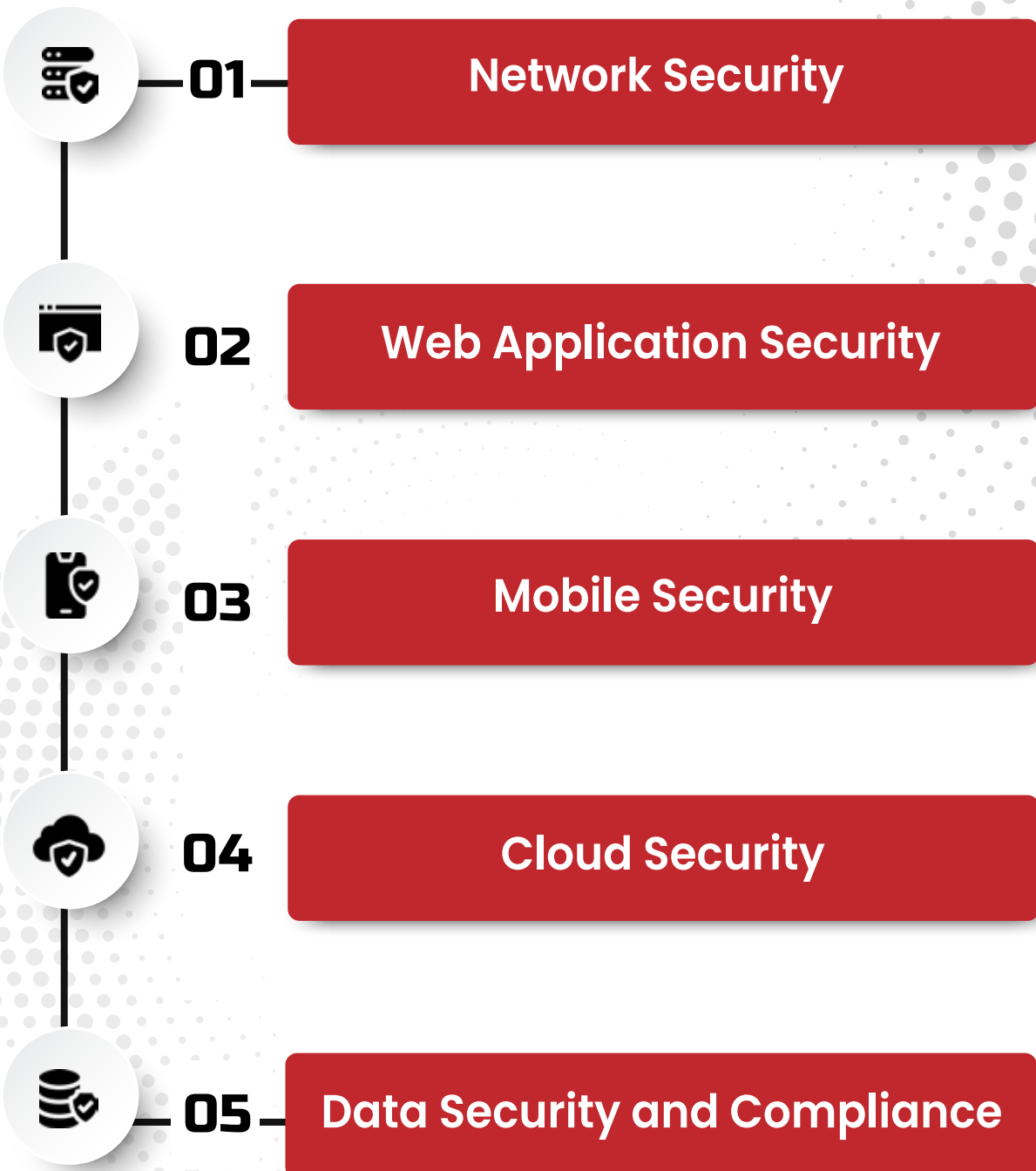
Cyber Defenders 101

Free

Cyber Security Fastrack Course



Course Content



➤ Network Security

- ✔ Introduction to Information Security
- ✔ Information Security vs Cyber Security
- ✔ Security controls
- ✔ Pillars of Information Security – CIA Triad
- ✔ IDS, IPS, Firewalls, and Honeypot Concepts
- ✔ Vulnerability Assessment
- ✔ Scanning using nmap – practical
- ✔ Detecting Scans – Practical

➤ Web Application Security

- ✔ Understanding HTTP/HTTPS
- ✔ Web Application Architecture
- ✔ Exploiting Web Application Vulnerabilities – Practical
- ✔ Web Application Security Best Practices

➤ **Mobile Security**

- ✔ Mobile Platforms and Vulnerabilities
- ✔ Rooting, Jailbreaking and Bricking concepts
- ✔ Mobile Attack Vectors
- ✔ OWASP Top 10 Mobile risks
- ✔ Exploiting Android

➤ **Cloud Security**

- ✔ Overview of Cloud Computing:
 - ✔ Definition and key characteristics
 - ✔ Benefits and challenges
- ✔ Cloud Service Models:
 - ✔ Infrastructure as a Service (IaaS)
 - ✔ Platform as a Service (PaaS)
 - ✔ Software as a Service (SaaS)
- ✔ Cloud Deployment Models:
 - ✔ Public
 - ✔ Private
 - ✔ Hybrid
 - ✔ Multi-cloud

- ✔ Threats to Cloud Computing
- ✔ Best Practices for Cloud Security

➤ **Data Security and Compliance**

- ✔ Importance of Data Security
- ✔ Data Classification
- ✔ Data Backup and Recovery
- ✔ Introduction to Risk Management
- ✔ Risk Analysis
- ✔ Risk Treatment Strategies
- ✔ Regulatory Compliance in Cyber Security
- ✔ Ethical Considerations in Cyber Security



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