Jaipur Engineers
Your One-Stop IT & Staffing Ecosystem

CYBER SECURITY

Network Security

SAMPLE PROJECT

Secure Office Network Design



COURSE FEE

Fee on enquiry

JAIPUR, RAJASTHAN

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Network Security

Core concepts



01	Network layers, traffic flow and trust boundaries
02	Segmentation, VLANs and secure routing concepts
03	Firewall rules, ACLs and VPN fundamentals

Review the scope

Identify assets and trust boundaries in a supplied scenario.

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Applied skills

- **Assets**
- **Controls**
- **Evidence**



04 Identity, certificates and secure protocols

05 Network log review and anomaly detection concepts

06 Configuration baseline, change review and verification

PROJECT DELIVERABLES

A security review, prioritised mitigations and the evidence needed to verify each fix.

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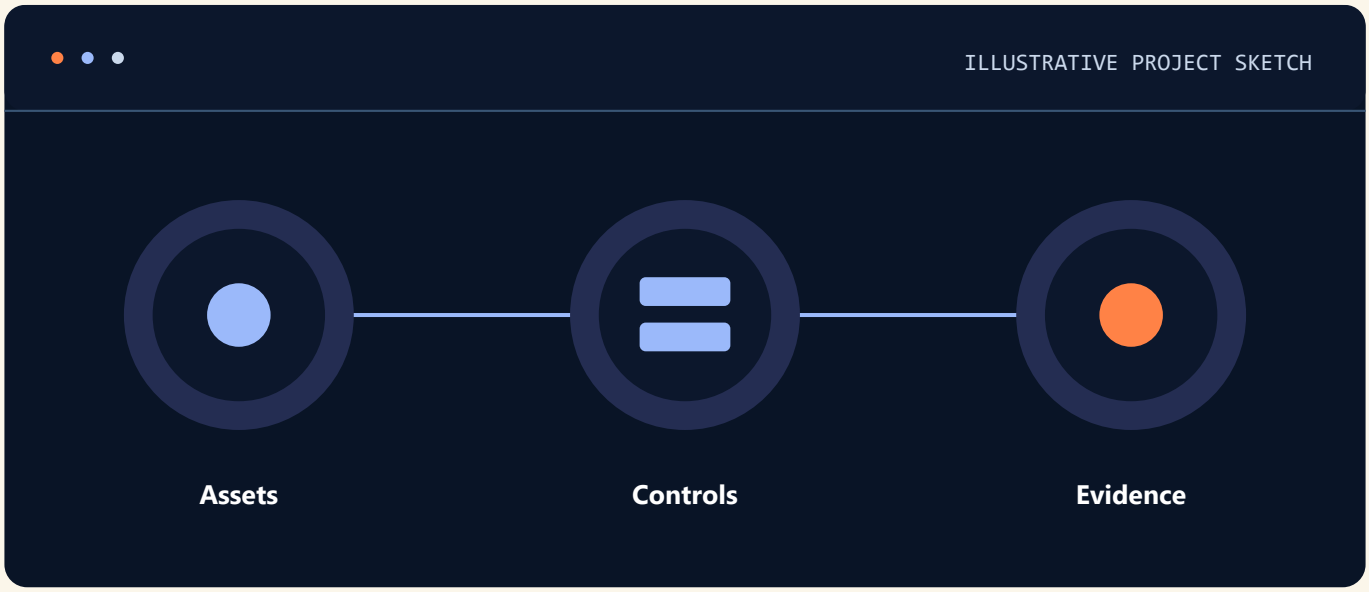
Portfolio project

Secure Office Network Design

Draw a segmented office network and specify access rules, logs and checks for each segment.



Review the scope

Identify assets and trust boundaries in a supplied scenario.

Prioritise fixes

Rank the supplied findings and describe evidence for verifying each mitigation.

A security review, prioritised mitigations and the evidence needed to verify each fix.

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Course fees

COURSE FEE

Fee on enquiry

Ask admissions for the course fee, available batches and enrolment details.

ADMISSIONS

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SCAN FOR MAP

Check course details

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Course content

MODULES 01–02

01

Lessons & practice

- Network layers
- Traffic flow
- Trust boundaries

HANDS-ON Draw intended traffic paths and place trust boundaries on a sample topology.

02

Lessons & practice

- Segmentation
- VLANs
- Secure routing concepts

HANDS-ON Design VLAN segments and explain permitted traffic between them.

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Course content

MODULES 03–04

03

Lessons & practice

- Firewall rules
- ACLs
- VPN fundamentals

HANDS-ON Review a supplied firewall, ACL and VPN policy against requirements.

04

Lessons & practice

- Identity
- Certificates
- Secure protocols

HANDS-ON Document certificates and identity checks for a practice service.

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Course content

MODULES 05–06

05

Lessons & practice

- Network log review
- Anomaly detection concepts

HANDS-ON

Compare synthetic network logs and flag deviations from expected behaviour.

06

Lessons & practice

- Configuration baseline
- Change review
- Verification

HANDS-ON

Verify a defensive baseline and record which checks establish that a change worked.