

# Segregation of networks

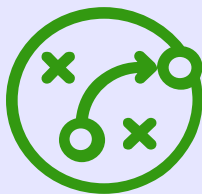
ISO 27002 Control 8.22

## Control

Groups of information services, users and information systems should be segregated in the organization's networks

## Purpose

To split the network in security boundaries and to control traffic between them based on business needs

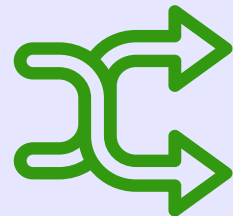


## Why is it important?

- Segregation limits the extent of damage if one segment is compromised
- It allows specific controls to be applied based on the security requirements of each domain
- Wireless networks require specific segregation due to their poorly defined perimeter

## Which segregation ?

- VLAN per environment
- VLAN servers / workstations
- VLAN admin
- DMZ
- VLAN wifi
- Business VLAN
- VLAN OT
- VLAN Guests



## The new marketing concepts

- ZTNA : Zero Trust Network Architecture
- Microsegmentation with dynamic policies
- SDP : Software-Defined Perimeter
- Identity-based network segmentation
- East-West traffic isolation
- SSE : Secure Service Edge
- SASE : Secure Access Service Edge
- CASB : Cloud Access Security Broker

## Link with other frameworks

- NIST 800-53 rev5 : AC-4, SC-7
- NIST CSF 2.0 : PR.DS-01, PR.DS-02, PR.DS-10, PR.IR-01



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