



Network Management & Mobility

TOPIC 3 – BUSINESS INFORMATION
MANAGEMENT STRATEGY

Types of Network

Acronym	Type	Characteristics	Example
LAN	Local Area Network	Connects network devices over a relatively short distance Owned, controlled, and managed by one individual or organization	Office building School Home
WAN	Wide Area Network	Spans a large physical distance Geographically dispersed collection of LANs Owned and managed by multiple entities	Internet Large company
WLAN	Wireless Local Area Network	LAN based on Wi-Fi wireless network technology	Internet Large company
MAN	Metropolitan Area Network	Spans a physical area larger than a LAN but smaller than a WAN Owned and operated by a single entity, e.g., government agency, large company	City Network of suburban fire stations
SAN	Storage Area Network Server Area Network	Connects servers to data storage devices	High-performance database
CAN	Campus Area Network Cluster Area Network	Spans multiple LANs but smaller than a MAN	University Local business campus
PAN	Personal Area Network	Spans a small physical space, typically 35 feet or less Connects personal IT devices of a single individual	Laptop, smartphone, and portable printer connected together

Network Standards:

3G

4G

5G

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Mobility: Operating Systems

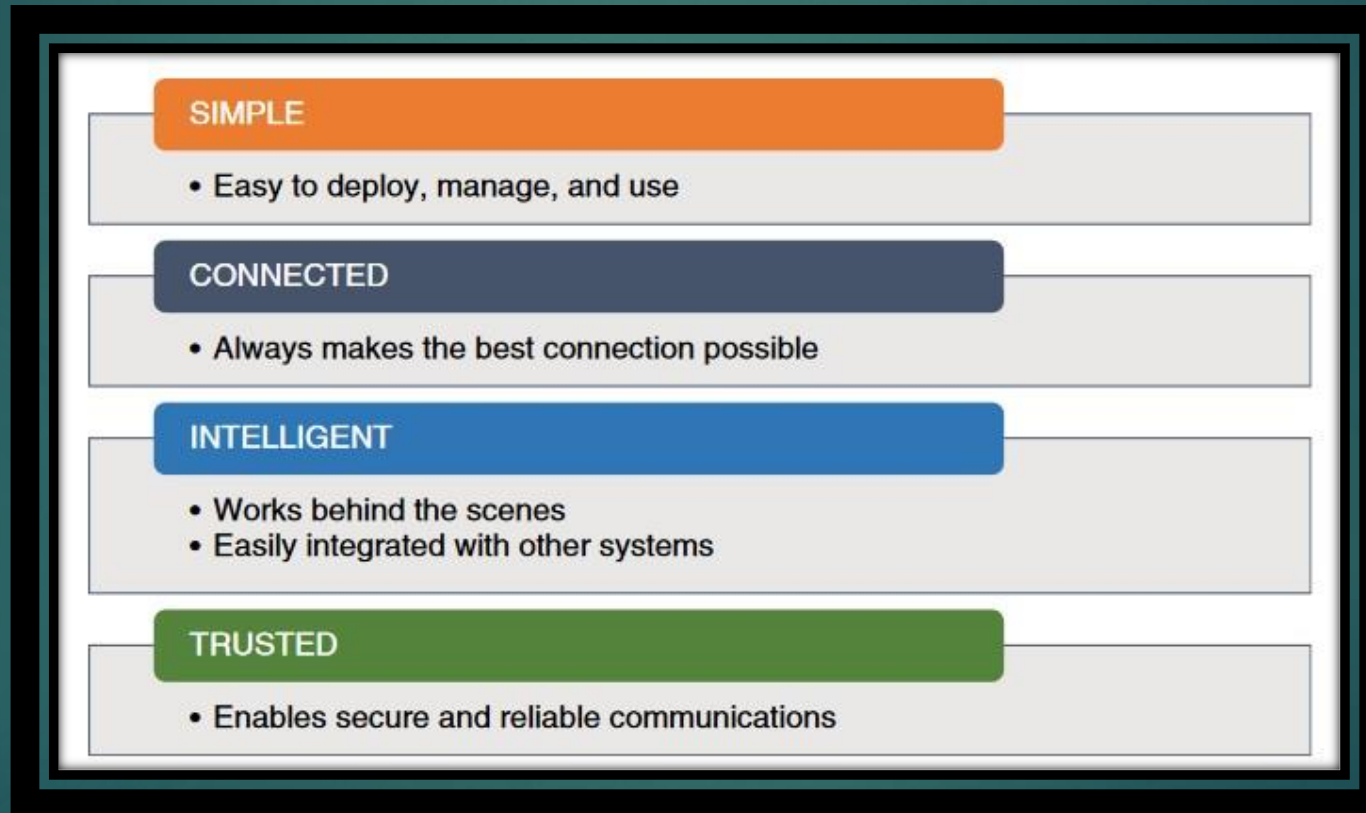


Android

iOS

Windows

Choosing a network mobile solution for business:



Which countries has the fastest mobile internet connection?

1. United Arab Emirates 205.77 Mbps
2. Qatar 186.35 Mbps
3. Kuwait 160.87 Mbps
4. Uruguay 149.08 Mbps
5. South Korea 140.49Mbps
6. Norway 122.72 Mbps
7. Brunei 120.84 Mbps
8. Iceland 109.28 Mbps
- 43. Malaysia 49.42 Mbps**

Internet connection as enabler of collaboration

- ▶ Work from home arrangement
- ▶ Virtual reality
- ▶ Remote teams
- ▶ Online learning
- ▶ Global projects



The Internet of Things (IoT)



INTERNET OF THINGS



Application of IoT

- ▶ Connected cars
- ▶ Smart home appliances
- ▶ Smart agriculture
- ▶ Connected security systems
- ▶ Connected cities
- ▶ ?

Issues of IoT

- ▶ Over reliant
- ▶ Data protection
- ▶ Privacy protection
- ▶ Storage
- ▶ Cost
- ▶ Compatibility
- ▶ User adoption

Summary



1. Types of Network
2. Network standards
3. Operating systems
4. Choosing network mobile solutions for business
5. Countries with fastest internet connection
6. Collaboration
7. Internet of Things
8. IoT applications
9. IoT Issues