



Basic Computer Network

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August 2012

Teaching Materials

- ✦ Multimedia (Flash media)
- ✦ VDO – DLTV – Youtube
- ✦ Software (Applications)
- ✦ Websites
- ✦ etc...

What is a computer network?

✦ 2 or more computers connecting together



LAN & WAN & Internet

- ✦ LAN & WAN
- ✦ Internet (Many WAN & LAN)
- ✦ LAN – **Local** Area Network
- ✦ WAN – **Wide** Area Network
- ✦ The INTERNET → WAN + WAN + WAN +



The Internet



Terms

- ✦ MAC Address
- ✦ IP Address
- ✦ Subnet Mask
- ✦ Gateway
- ✦ DNS (Domain Name Service)
- ✦ Firewall
- ✦ DHCP (Dynamic Host Control Protocol)
- ✦ Proxy Server (Catch)
- ✦ WIFI (Hot Spot)

Networking

DHCP



Village

DNS / Firewall



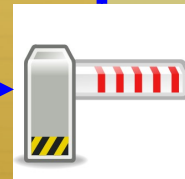
MAC Address

เลขตัวถังรถ



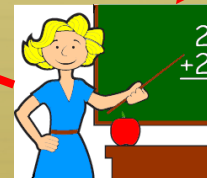
IP Address

เลขทะเบียนรถ



Gateway

ประตูเข้า/ออก



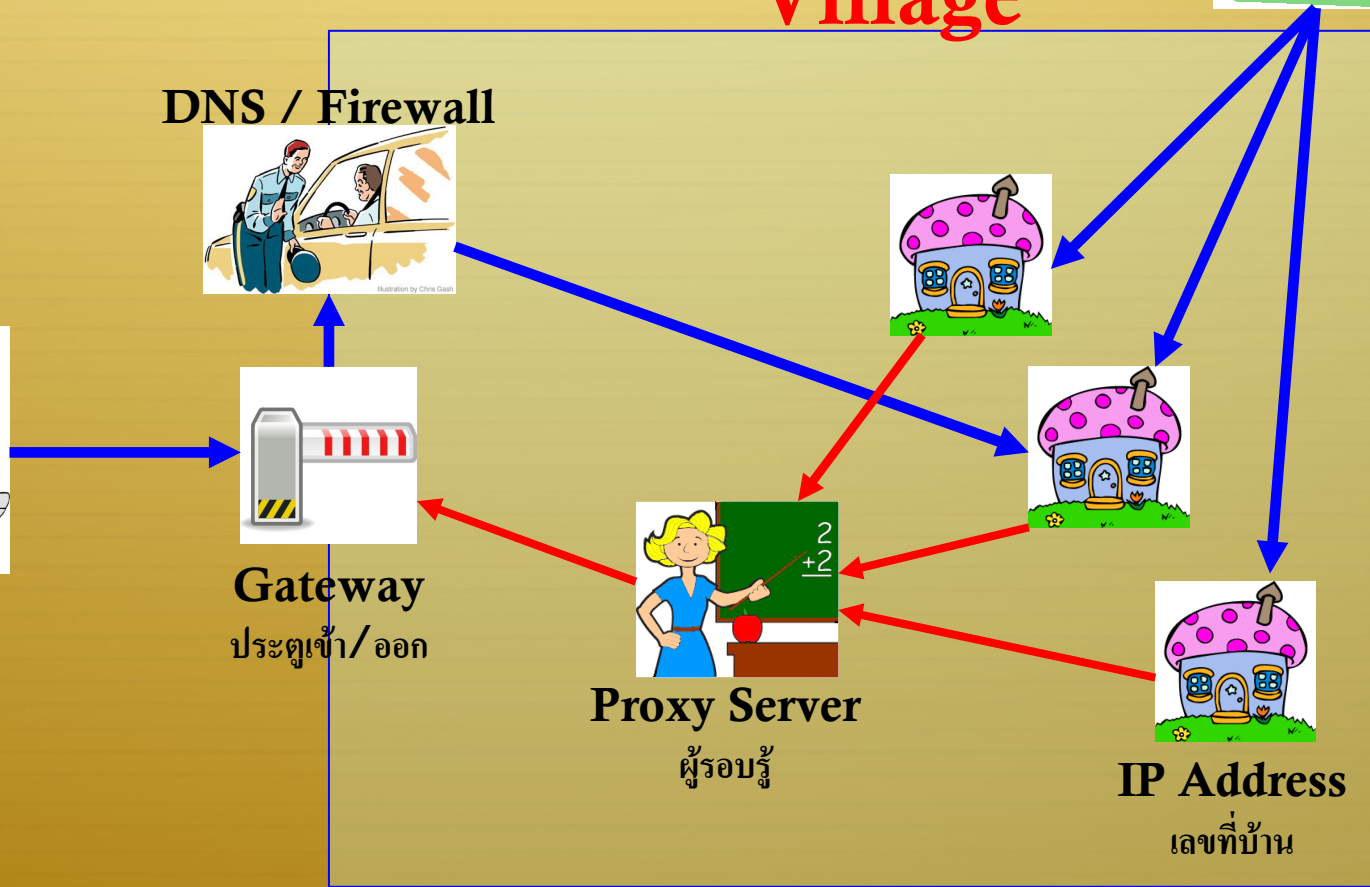
Proxy Server

ผู้รอบรู้



IP Address

เลขที่บ้าน



Exercises



1. Type 74.125.135.139

2. Type 128.118.142.114

3. Type 69.171.247.21

Network Types

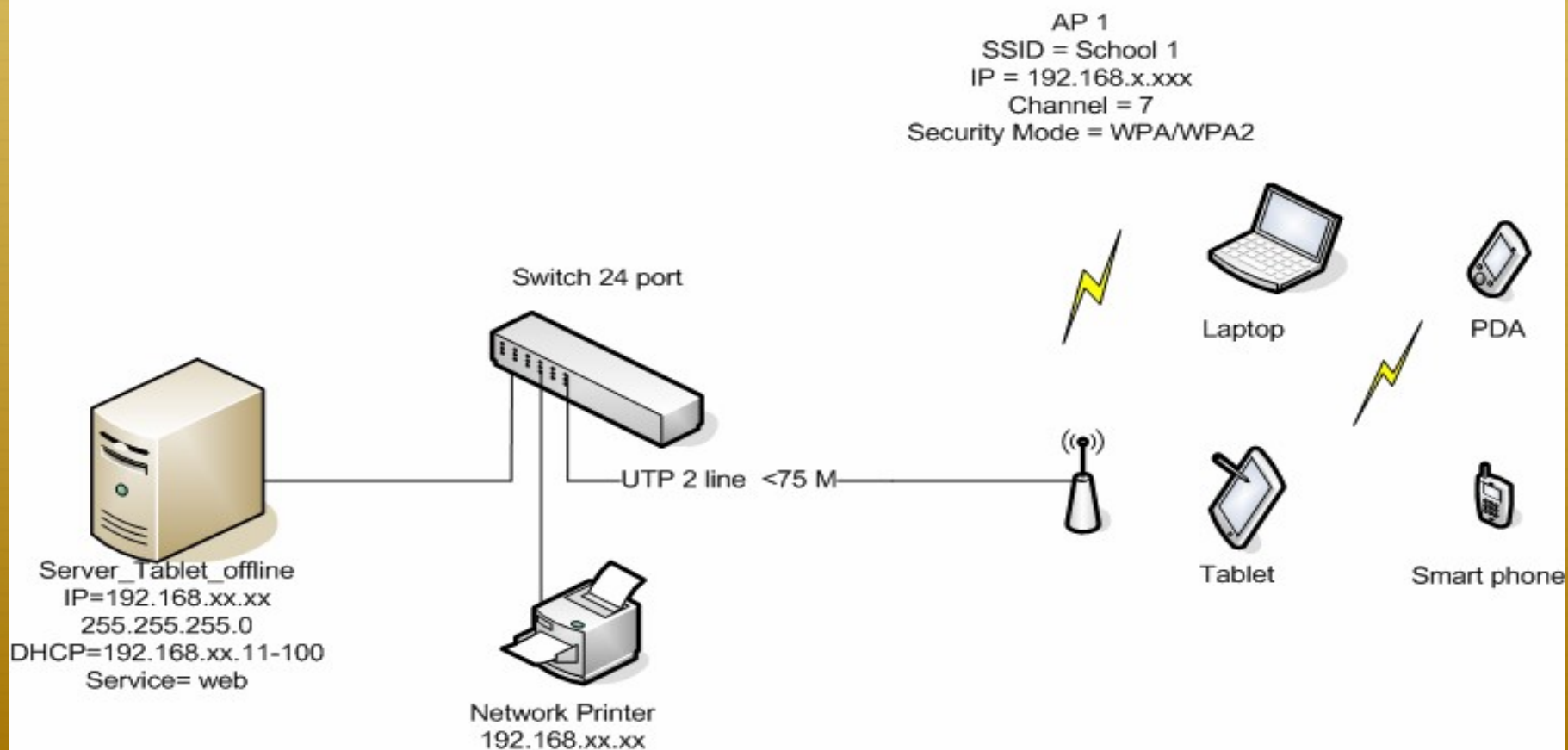


Offline Network

Online Network

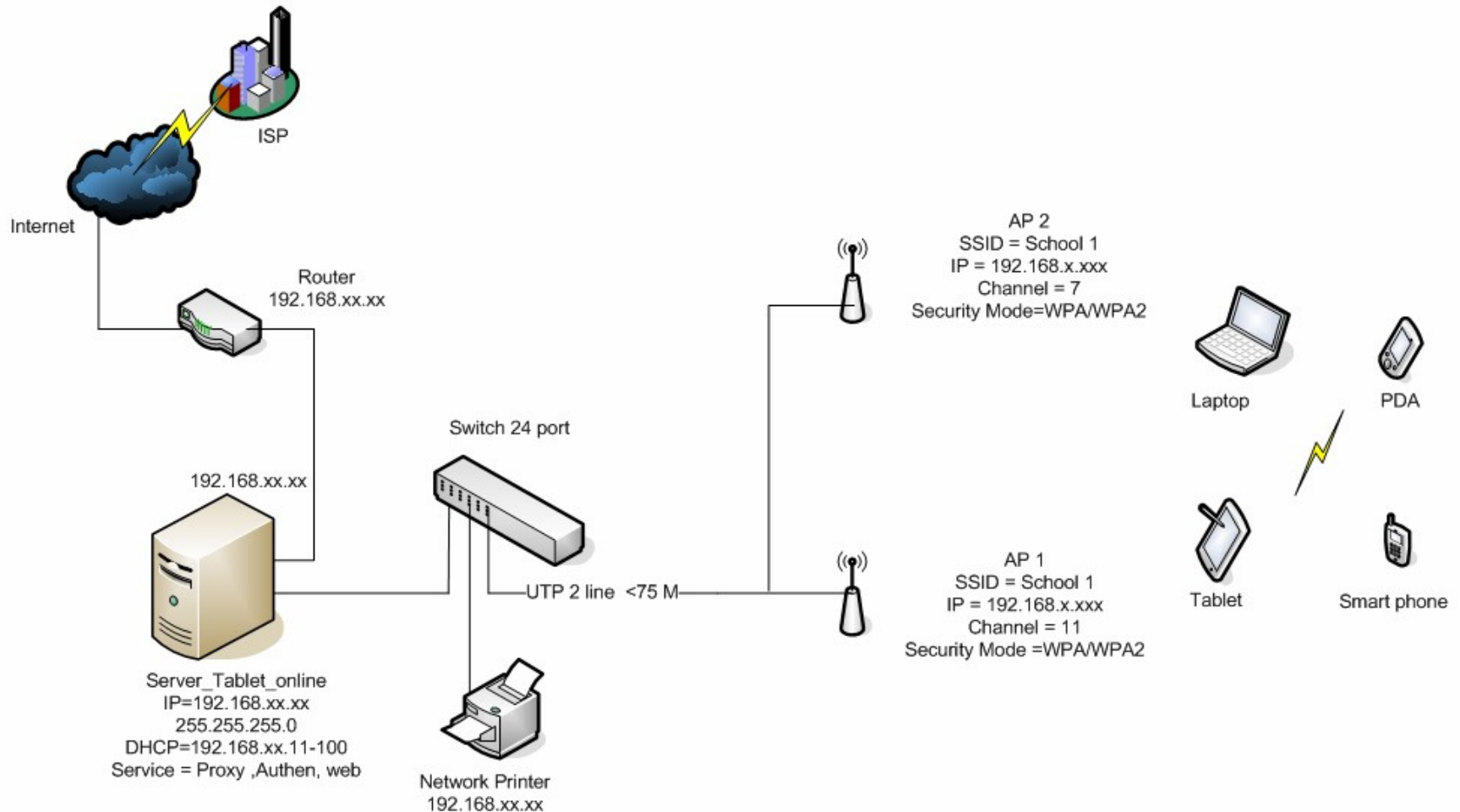
Offline Setup

ตัวอย่าง การติดตั้ง ระบบเครือข่าย Offline Tablet



Online Setup

ตัวอย่าง การติดตั้งระบบเครือข่าย Online Tablet



Which network is right for you?



✦ Budget?

✦ Security

✦ Speed

✦ Network complexity

Offline/Online Servers



✦ Offline

- ✦ DHCP Server
- ✦ Web Server

✦ Online

- ✦ DHCP Server
- ✦ Web Server
- ✦ Proxy Server
- ✦ Authentication Server



