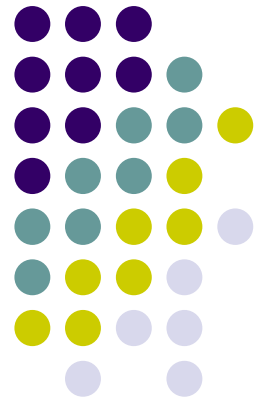

Dr. Pipat Sookavatana





IT for Business

- Communication and Information Exchange
 - Email
 - Web access
 - File and Printer Sharing
 - Information Access
 - Advertisement and Promotion
- Office Work
 - Document creation
 - Handout printing
- Management
 - Accounting
 - Online accessing
 - ERP
- Etc.



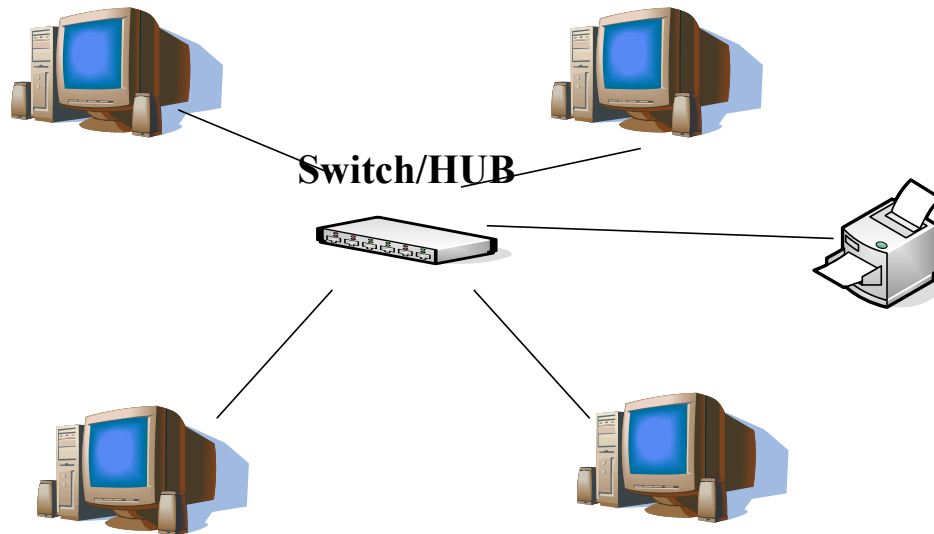
What will be covered today

- What compost of IT infrastructure
 - Network Infrastructure Device
 - Network Infrastructure (Wireless) Device
 - Server Device
 - Policy and Security Management
 - Internet Security Systems (ISS)' Managed Intrusion Detection and Prevention Service (IDS/IPS) Internet Security Systems (ISS)' Managed Intrusion Detection and Prevention Service (IDS/IPS)
 - Firewall
 - Antivirus
 - Mail Filter
 - Backup System
 - SSL-VPN — virtual private network
 - App-Firewall → 1 96 IDS/IPS
 - WAN-Optimization
 - Other IP devices, VOIP Phone

They are commonly need one basic thing
Network Infrastructure



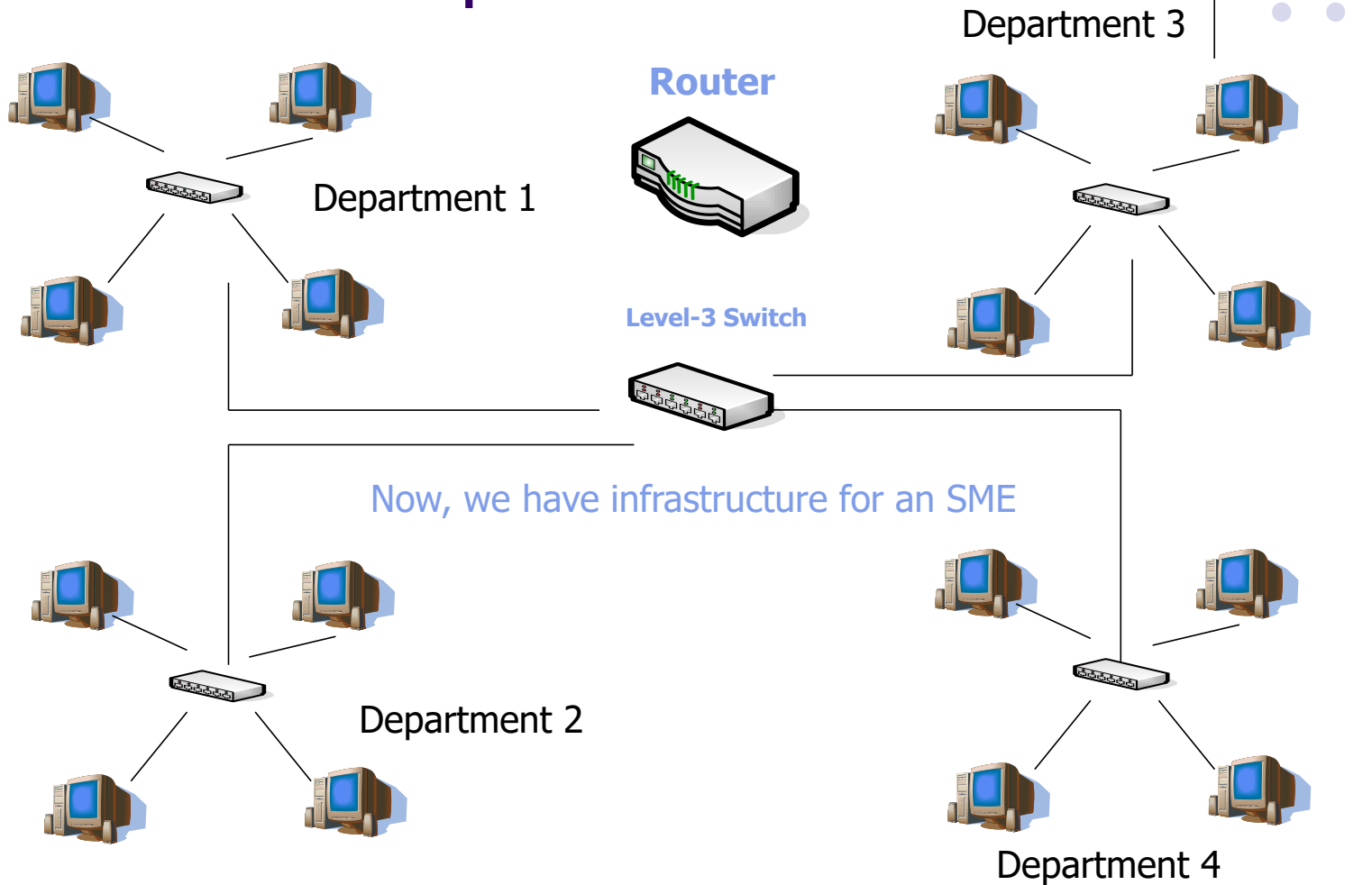
Basic Network Infrastructure



Now, we have a very basic network connection which files and printer can be shared

But this can be use only with in one small department, 2-10 computers

More than one department

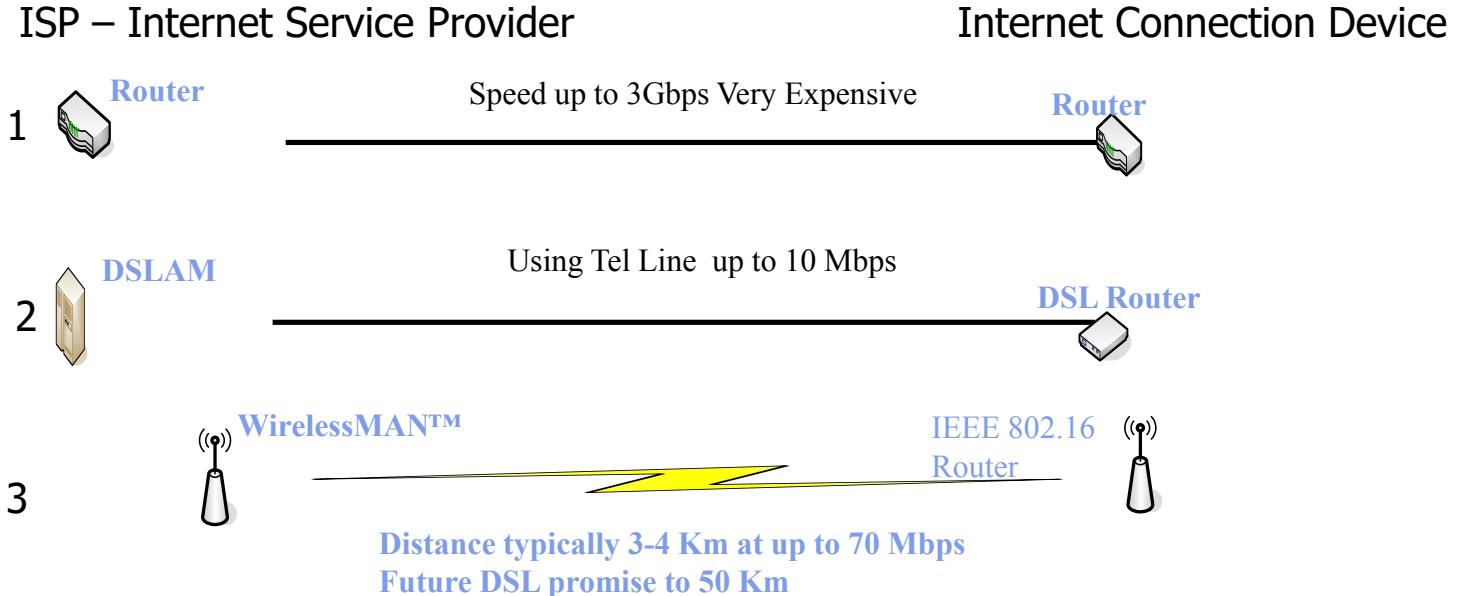


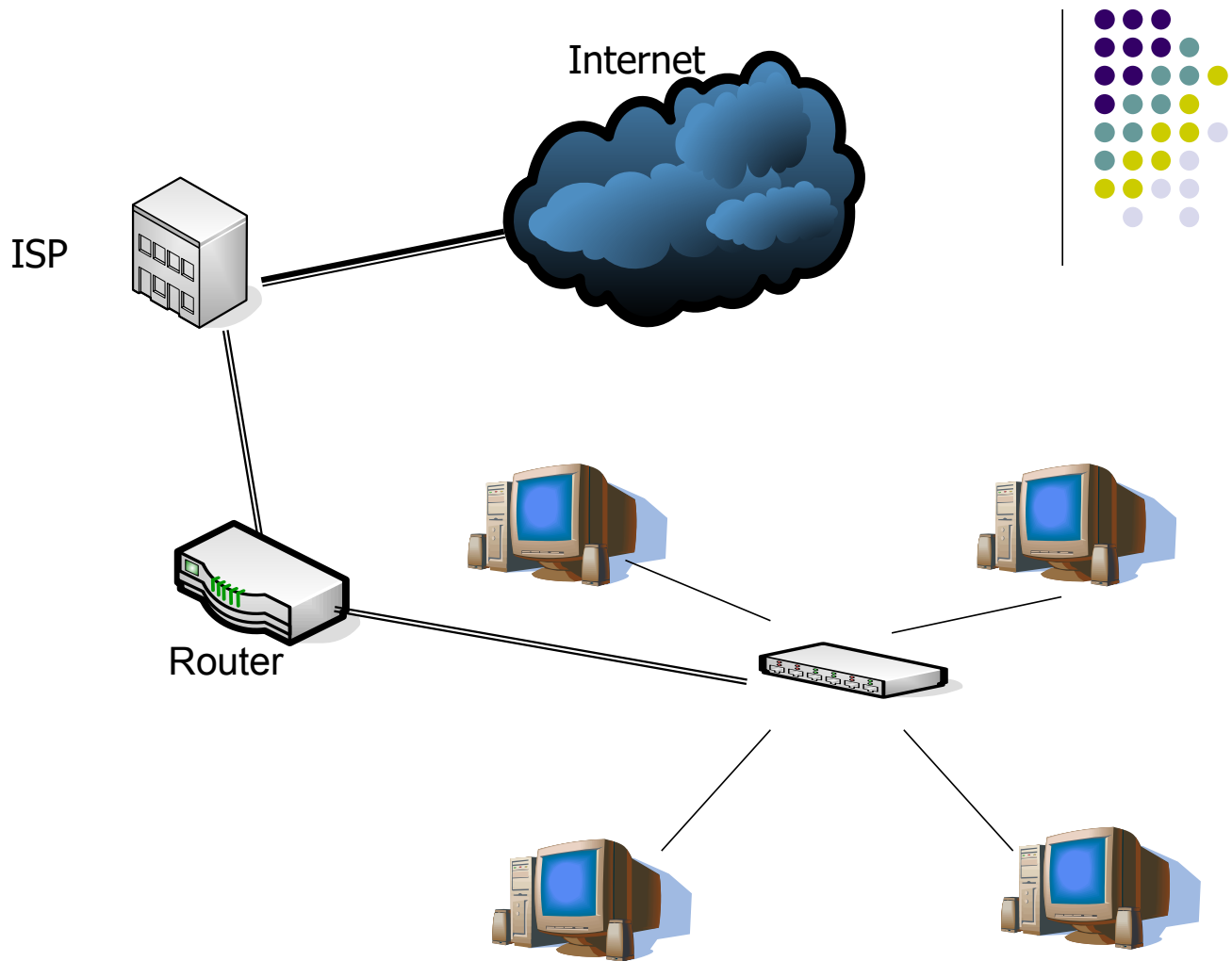
What Next



Yes, the Internet connection

What provide the Internet connection





Now, we have the Internet connection to the firm



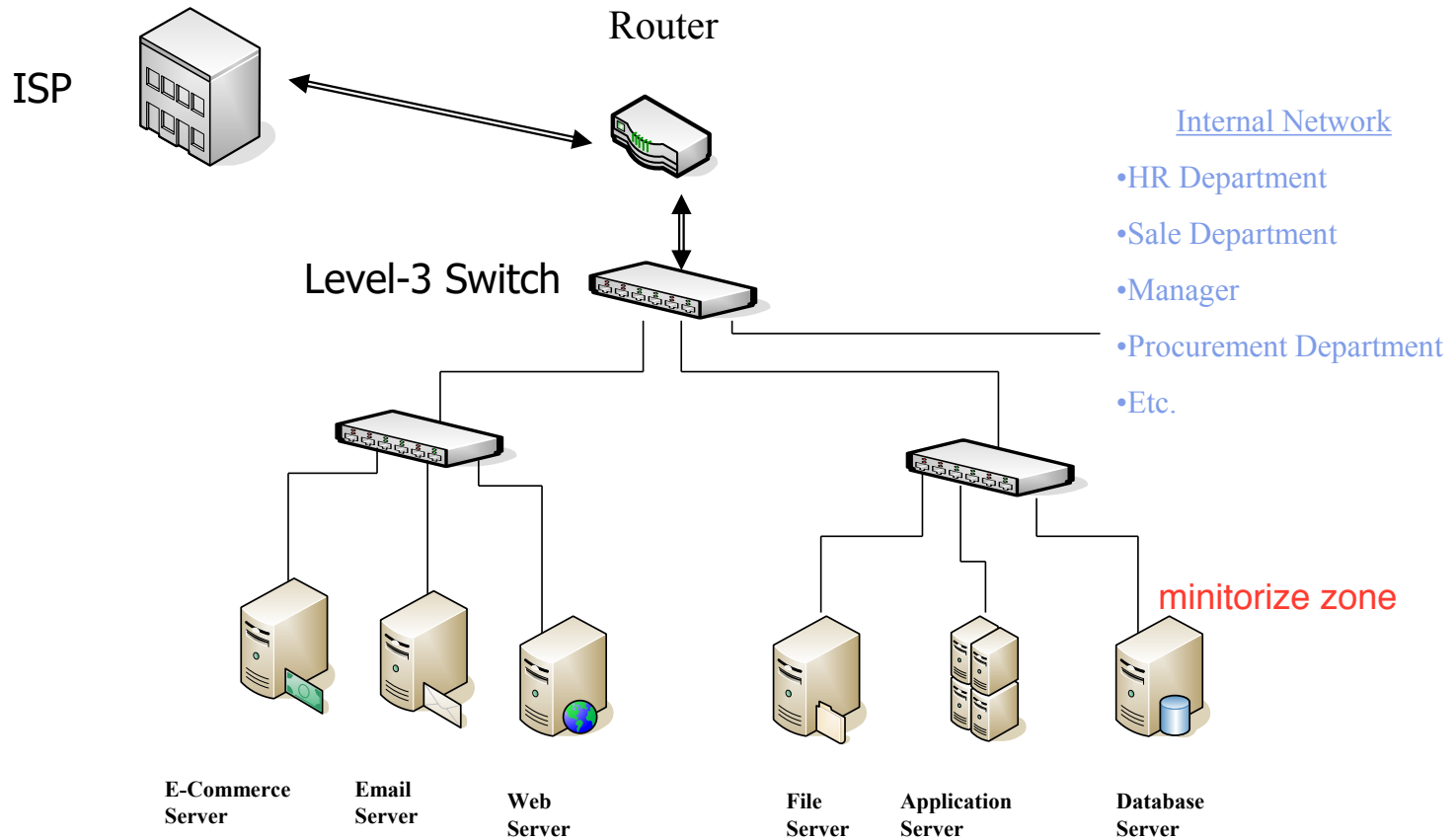
What else do we need

- Various server
- Two type of server
 1. Intranet Server
 - File Server
 - Database Server
 - Application Server
 - ERP Server
 2. Internet Server
 - Mail Server
 - Web Server
 - Online Business Server
 - VPN Server

Now, our network is ready for Medium and Large Firm



Implement servers





So what next

- Business information is very important
- It need to be protected
 - Virus (Check virus every week)
 - Spyware (Check spyware every week)
 - Hacker

Every even on my notebook, I typical get 3-4 Spyware weekly
How about on your PC.... Have u every check it ?



Security and Policy

- Firewall
- Antivirus/Malware
- IDS/IPS
- Good policy and employee training

ISP

Router

IDS/IPS

Firewall

Level-3 Switch

Antivirus

E-Commerce
Server

Email
Server

Web
Server

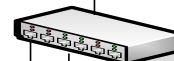
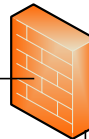
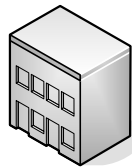
File
Server

Application
Server

Database
Server

Good Policy and Employee training

Our network is getting on the way

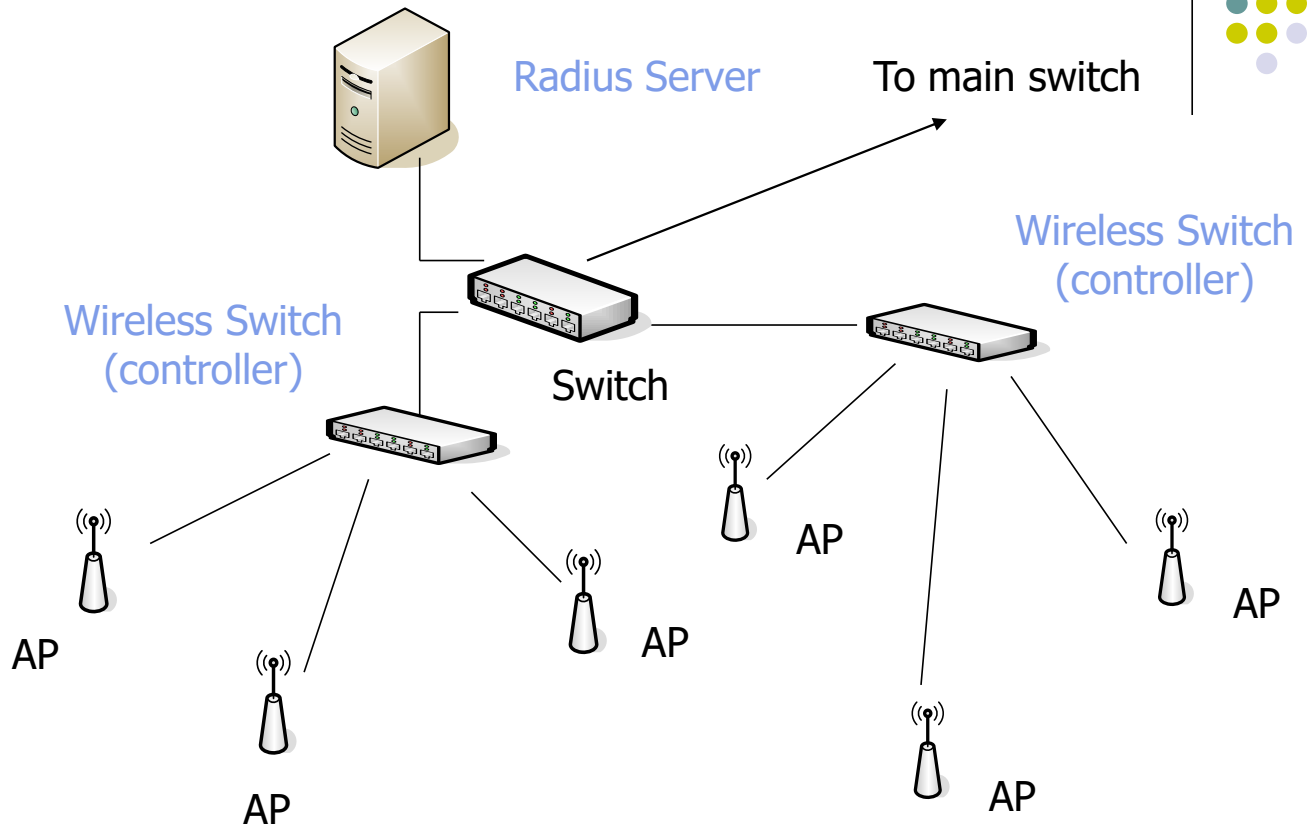




What else

- Wireless Network implementation
 - Wireless Network Set
 - Security in wireless network is very weak
 - Do not just buy cheap AP and plug in
 - Back Door for virus , hacker...

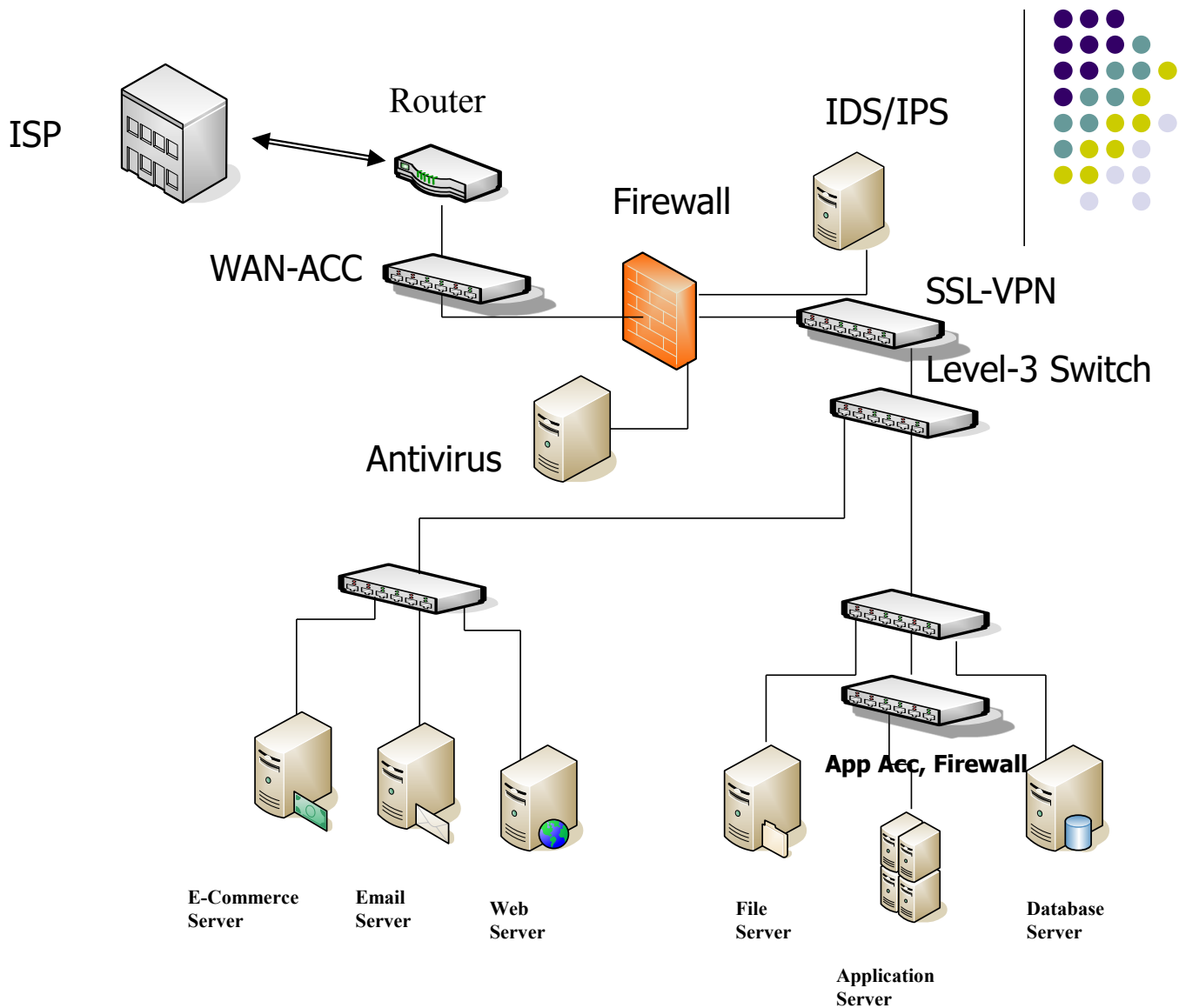
Secure Wireless LAN





Other devices

- Backup solution
- Multiple offices connection
- VOIP Phone
- VPN Server (SSL-VPN)
- WAN Optimization
- Application Optimization, Firewall



Our network is getting on the way

Questions

