

Setting Up Internet Connection

Dial-up vs Leased Line (Broadband)

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Date: [Insert Date]

Introduction to Internet Connection

- What is an internet connection?
- Types of internet connections
 - - Dial-up
 - - Leased line (Broadband)

What is Dial-up Connection?

- Uses telephone line
- Requires modem
- Connects using ISP phone number
- Speed: up to 56 Kbps
- Can't use phone and internet simultaneously

Setting up a Dial-up Connection

- Requirements:
 - - Telephone line
 - - Modem
 - - ISP access number
 - - Username and password
- Steps:
 - - Connect modem to phone line
 - - Configure dial-up settings in OS

What is Leased Line (Broadband)?

- Dedicated connection for continuous internet
- Symmetrical speeds
- Higher reliability and uptime
- Typically used by businesses

Setting up a Leased Line Connection

- Requirements:
 - - ISP contract for leased line
 - - Router/firewall device
 - - Static IP configuration
- Steps:
 - - Connect leased line to router
 - - Configure IP and routing settings
 - - Test connection and ensure uptime

Comparison Table: Dial-up vs Leased Line

• Feature	Dial-up	Leased Line
(Broadband)		
• -----		
• Speed	Up to 56 Kbps	Up to Gbps
• Connection	On-demand	Always on
• Reliability	Low	High
• Cost	Low	High
• Usage	Home/small use	Business use

Advantages & Disadvantages

- Dial-up:
 - + Low cost
 - – Slow, unreliable
 - – Can't use phone simultaneously
- Leased Line:
 - + Fast, reliable
 - + Continuous access
 - – Expensive

Use Cases

- Dial-up: Remote areas, emergency backup
- Leased Line: Offices, data centers, institutions

Conclusion

- Choose connection based on speed, cost, and usage
- Dial-up is outdated but still used in limited areas
- Leased line ensures performance for businesses