



# Why Every IT Career

# Starts with Networking





# What does it entail?



## **Networking & Why It Matters Today**

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Networking is how devices — like laptops, servers, routers, and switches — communicate and share data. From sending an email to streaming Netflix, every digital interaction depends on networking. Today's world runs on networks — whether it's a small home Wi-Fi setup or a large enterprise connecting thousands of users across continents.



## 🔍 Why is Networking Important Today?

- Businesses: Need secure, fast communication between branches and cloud apps
- Hospitals: Rely on networks for real-time patient data
- You: Use networking every time you browse, scroll, or stream
- Cloud Computing: Exists only because of reliable networks
- Cybersecurity: Starts with controlling how data moves through the network



Without networking, modern life simply wouldn't function.



## ✿ The OSI Model – The Foundation of Networking



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To understand networking better, we use the OSI model — a 7-layer framework that explains how data moves through a network.

Consider it as sending a package from one home to another. Each step is responsible for a specific part of the journey—starting with crafting the letter, placing it in a mailbox, routing it through postal facilities, and ultimately delivering it to the recipient.





# ✓ Conclusion:



If you understand how the OSI model works, you'll understand how the internet works. Mastering networking opens the door to careers in:

- Cybersecurity
- Cloud Engineering
- Network Administration
- IT Support and Automation



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