

# Career Training

## “I Want to be a Network Engineer?”

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[www.routehub.com/training](http://www.routehub.com/training)

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# IT Expectations

- ▣ Operational/Support Role
- ▣ Always Learning
- ▣ Expert/Specialization
- ▣ Pros: Money, Good Opportunities, but ...
- ▣ Cons: Long hours, Salary



# IT Umbrella

- ▣ Servers (Windows, Unix/Linux, Mac)
- ▣ Desktops (Windows, Unix/Linux, Mac)
- ▣ Networking
- ▣ Voice/Telecommunications
- ▣ Security (Operations, Policy)
- ▣ Engineering/Development
- ▣ Project Management



# IT Networking Umbrella

## ▣ Areas

- Routing and Switching (LAN, WAN, DC, WLAN)
- Security
- Voice and Unified Communications
- Service Provider (SP)
- Storage Networking

## ▣ Roles

- Operations (Configuration, Deployment, Support)
- Design (Architecture, Configuration)



# IT Network Vendor Umbrella

- ▣ Routing and Switching
  - Cisco, Juniper, Foundry, Extreme
- ▣ Voice and Unified Communications
  - Cisco, Microsoft, Avaya, Shortel, NEC, etc
- ▣ Security
  - Cisco, Juniper, Fortinet, SonicWall
- ▣ Storage
  - Cisco, Brocade/McData
- ▣ Service Provider (SP)
  - Cisco

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# Cisco Certifications

- Junior/Entry-Level (Low)
  - CCNA, CCDA
- Mid-Level (Medium)
  - CCNP, CCVP, CCSP, CCDP
- Senior/Expert (High)
  - CCIE
    - Routing & Switching, Security, Voice, SP, Storage
  - CCDE



# Awareness Points

- ▣ Moving up within your company
  - Reputation
  - The right environment!
- ▣ Personalities
- ▣ Resume and Interviews



# Personalities

- ▣ Look out and observe different IT personalities
  - Social, Limited Social, Hybrid
  - Arrogance, Humble, Unconfident, Hybrid
- ▣ In IT .... Everyone DOES NOT know everything!
- ▣ How to handle a particular personality
  - Determine the personality conflict
  - Do what is needed before that individual is involved
  - Engage the person with limited and direct to what is needed
  - Take nothing personal!





# Resume and Interviews

## □ Resume

- Organization and Clear
- Your Career Objective and Specialty
- What to put on your resume
- References

## □ Interviews

- Comfortable and Confident
- Be Humble, state what you know and don't know
- Step-by-Step, Detailed Approach
- Personality watch
- Interview Practice



# First Steps

- ▣ Go for the CCNA/CCDA, then so on ...
- ▣ Buy various training materials and learn
- ▣ Buy a cheap lab (from eBay)
- ▣ Complete many labs many times until it's enforced
- ▣ Try to move up with the company, if it's the right environment.
- ▣ Shadow and Assist Network Engineers (personality watch!).
  - Ask questions.
  - Stick around and watch during the network changes
  - Appreciate the time and their time!



# First Steps, continued

- Seek a NOC level position where you get exposed to networking devices.
- Take Advantage of your resources and information presented.
- Seek random basic side networking projects for LOW COST
- Resume Building and References
- Proof of Concepts



# Next Steps

- ▣ CCNP, CCIE/CCDE
- ▣ Network Engineering position, but understand the roles and responsibilities
- ▣ Continue to learn, get training, do labs
- ▣ Be Humble and Clear
- ▣ Be a mentor to others when they ask you ...





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