Lab - Research IT and Networking Job Opportunities (Instructor Version)

**Instructor Note**: Red font color or gray highlights indicate text that appears in the instructor copy only.

# Objectives

* Research Job Opportunities

# Background / Scenario

Jobs in Information Technology (IT) and computer networking continue to grow. Most employers require some form of industry standard certification, degree, or other qualifications from their potential employees, especially those with limited experience. The Cisco CCNA certification is a known and established entry-level networking certification that is respected in the industry. There are additional levels and kinds of Cisco certifications that one can attain, and each certification may enhance employment opportunities as well as salary range.

In this lab, you will complete targeted job searching on the web to find what types of IT and computer networking jobs are available; what kinds of skills and certifications you will need; and the salary ranges associated with the various job titles.

# Required Resources

* Device with Internet access

# Instructions

You will use a web browser to visit the popular job listing websites, such as monster.com and salary.com.

## Open a web browser and go to a job listing website.

In the URL address bar type <http://monster.com> and press Enter.

**Note**: For job listings outside of the U.S., use the following link to search for your country:

<http://www.monster.com/geo/siteselection/>

## Search for networking related jobs.

* + 1. Type the word ***Network Administrator*** in the **Keyword or Title** box. Click **Find Jobs** to continue.
    2. Notice the search results. Now, focus your search by adding terms to the search for Network Administrator. Try terms like Cisco CCNA, CCNP, CCNA Security, CCNA Voice, etc.
    3. Now try refining your search by adding different geographical locations. Did you find jobs in the locations you entered?
* **Searching title:** Network Administrator.
* **Searching location:** Bangladesh.
* After searching I found following Jobs:

1. **Job title:** Network engineer

**Company name:** Augmedix.

1. **Job title**: System administrator

**Company name:** Therap(BD) Ltd.

1. **Job title:** Executive – IT and Admin.

**Company name:** Bondstein technologies Ltd.

1. Company name: Senior staff Network Engineer.

Company name: Augmedix.

* + 1. Try searching a different website. Go to [http://www.salary.com](http://www.salary.com/) and click the Job Search menu bar button.

**Note**: For salary listings outside of the U.S., use the following link to search for your country:

<http://www.payscale.com/rccountries.aspx>

* + 1. Add a search term like ***Information Technology*** to the J**ob title or Keyword** field box and click **Get my salary estimate**.
    2. Note the large number of matching search results. Select a job title that interests you. Click **SHOW MY SALARY ESTIMATE RESULTS**.
    3. Spend time searching for jobs and looking through the search results. Take note of what skills are required for different job titles and the range of starting salaries.

# Reflection Questions

Answer the following questions based on your research findings.

* 1. What job titles did you search for?
* Network Administrator.
* Network Engineer.
* Network Manager.
* Network Analyst.
* Network Architect.
* Systems Administrator.
* IT Support Specialist.
* IT Consultant.
  1. What skills or certifications were required?
* ***Skills:***
* Strong understanding of networking protocols and concepts.
* Knowledge of TCP/IP, DNS, DHCP, LANs, WANs.
* Troubleshooting skills for hardware, software, and network issues.
* Experience with network security practices.
* Ability to work with various operating systems (Windows, Linux, etc.).
* Excellent communication and teamwork skills.
* Knowledge of cloud technologies and virtualization.
* ***Certifications:***
* **Cisco Certifications:** CCNA (Cisco Certified Network Associate), CCNP (Cisco Certified Network Professional), CCIE (Cisco Certified Internetwork Expert)
* **CompTIA Certifications:** Network+, Security+
* Certified Information Systems Security Professional (CISSP)
* Certified Ethical Hacker (CEH)
* **Microsoft Certified:** Azure Fundamentals, Azure Administrator Associate
  1. Did you find any jobs that you previously did not know existed? If so, what were they?
* **IoT Network Specialist:** Specializing in networking for the Internet of Things devices.
* **Blockchain Network Engineer:** Focusing on the networking aspects of blockchain technology.
* **Cloud Network Architect:** Designing and implementing network solutions for cloud-based infrastructures.
* **Cybersecurity Network Analyst:** Specializing in securing network infrastructures against cyber threats.
  1. Did you find any jobs that you are interested in? If so, which ones and what skills or certifications do they require?

Yes, I’m Interested in Network Administrator Jobs.

A Network Administrator is responsible for managing an organization's computer networks. Their tasks include configuring, maintaining, and supporting network devices and systems, ensuring network security, and troubleshooting issues.

* ***Skills:*** Networking protocols, troubleshooting, network security, communication, teamwork.
* ***Certifications:*** Cisco CCNA, CompTIA Network+, Microsoft Certified: Azure Administrator Associate.

Type your answers here.

End of Document