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CISCO. Academy

Lab - Research IT and Networking Job Opportunities

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.

Step 1: 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/

Step 2: Search for networking related jobs.

a. Type the word **Network Administrator** in the **Keyword or Title** box. Click **Find Jobs** to continue.

b. 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.

c. Now try refining your search by adding different geographical locations. Did you find jobs in the locations you entered?

d. Try searching a different website. Go to 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

e. Add a search term like **Information Technology** to the J**ob title or Keyword** field box and click **Get my salary estimate**.

f. Note the large number of matching search results. Select a job title that interests you. Click **SHOW MY SALARY ESTIMATE RESULTS**.

    g.   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 Engineering
   - Information Technology

2. What skills or certifications were required?
   - It would be ideal to have CCNA, CCNP, Wireshark Certified Network Analyst (WCNA), and/or other relevant technical qualifications.
   - Internetwork Operating System, firewall products from Juniper and FortiGate, Avaya Communications Manager, and Cisco Tandberg video conferencing
   - LAN, WAN, and WLAN design and implementation experience and success.
   - shown expertise in network capacity planning, network security concepts, and best practices for general network management
   - technical expertise in network, computer, and platform operating systems, such as Cisco Internetwork Operating System, Juniper and FortiGate firewall, Avaya Communications Manager, and Cisco Tandberg video conference solutions

3. Did you find any jobs that you previously did not know existed? If so, what were they?
   - L1, L2 & L3 Technical Support
   - DCS Technical Support
   - SRE System Support Engineer | Hybrid T57
   - Spring Boot (Accenture Technology_nATP_CL11

4. Did you find any jobs that you are interested in? If so, which ones and what skills or certifications do they require?

   Software Engineer
   - 2+ years of expertise reading data from REST APIs and writing Java, Python, and Java Script programs as well as using ETL tools like Pentaho, etc.
   - Utilizing open-source tools like Airflow, Composer, DataProc, and DataFlow, expert in developing, deploying, and maintaining data pipelines
   - knowledge of utilizing Data Studio, DOMO, or a comparable tool to create dashboards or visualizations.
   - SQL expertise as well as familiarity with Python or another scripting language.
   - excellent knowledge of cloud design constraints and how they affect pricing.
   - Strong proficiency with Microsoft Excel, VBA, Power Apps, C#, and Power BI or comparable data analytics tools.
   - excellent time management abilities.