

NET1002 – Networking Fundamentals

Lab #1 – Access & Setup all IT resources

In this lab you will confirm proper access and set up of all the resources necessary for this course.

What you will do:

1. Get your Algonquin **network** ID, if you haven't already done so.
2. Test and verify your @algonquinlive.com email account.
3. Access Algonquin's Blackboard course website.
4. Complete your Cisco Networking Academy Program ("CNAP") account setup.
5. Install and demonstrate basic usage of Cisco's Packet Tracer program v 7.0.

Things that you will need to know or learn:

1. The URL and your login details for Algonquin's academic info server.
2. The URL and your login details for your Algonquin student email.
3. The URL and your login details for Algonquin's course website.
4. The URL and your login details for Cisco's course website.

What you need to submit and when:

1. There is **no** pre-lab for this lab.
2. A printout from Packet Tracer, **before** the end of your lab period.
3. An email to your **lab** Professor, **before** your *next* lab period.

Marks:

- 2 marks = **correctly** completing the setup of your Cisco CNAP account
- 2 marks = printing out the Course Overview from the online textbook (ie. you are able to open and navigate the online course).
- 2 marks = **correctly** typing the subject line of an email to your lab Professor (ie. Can you read & follow instructions correctly?)
- 1 mark = **successfully** sending the email to your lab Professor
- 3 marks = printing out the **successfully** completed Packet Tracer exercise.

10% of your final mark is for labs done during the semester.

References and Resources:

- Student information (account, timetable): acsis.algonquincollege.com/
- Webmail access: liveac.algonquincollege.com/
- Blackboard online course information: blackboard.algonquincollege.com/
- Cisco Network Academy Program: www.netacad.com/
- Additional computer/network help: www.algonquincollege.com/its/

Task 1: Access Algonquin College resources

To use most Algonquin College facilities (eg. wireless), you need to logon with an Algonquin UserID. If you have not already done so, you can get your ID by initializing your account through the **Algonquin College Student Information System (ACSIS)**.

- With your Algonquin student number in hand, connect to: acsis.algonquincollege.com and follow the instructions there.
- While logged into ACSIS, you can view your account details under Network Account Info: your Algonquin user ID (up to four letters of your last name, followed by enough digits to result in an 8-character string) and your password. These are the credentials you need to connect to Algonquin resources (including the Blackboard server - discussed below).

If you ever want to change you network account password, follow these instructions:

- Log into <https://mypass.algonquincollege.com/>
- Get more help & info at: <http://www.algonquincollege.com/its/about-contact-its/> _

The help page identifies which systems will be updated with your new password (eg. Blackboard). Challenge Question: **Is the algonquinlive.com system updated?**

Task 2: Configure and Test Email

Your task for this section is to use the Live@AC system to send an email to your **lab Professor** (or lab TA) indicating that you have access to College email.

The requirements for this section are:

- [2 marks] The subject of the email **must** be exactly “NET1002 Lab 1”
- Use this email to tell your lab Professor something interesting about yourself
- [1 mark] Make sure you “Send” the email.

Your Algonquin-issued email address has the form userID@algonquinlive.com where UserID is the same as in Task #1 above. Your email password is the same as that used for network access (as displayed through ACSIS) and Blackboard access.

One easy way to retrieve your email is via a web browser: liveac.algonquincollege.com/
You will need to use this site in the next task to **read** email delivered to your Algonquin email address.

IMPORTANT: As an Algonquin student, you are responsible for reading all email sent to you! Being a BIT-NET student, you should be checking your email at least once every day.

FYI, if you prefer to use an alternate email address, you may set up automatic email redirection:

- Find the option in your AC Live page (may need to use IE to see it), or get help from ITS, on how to set up automatic email redirection.
- ACSIS may have an option to indicate your preferred email address; explore!

Additional Information and Help can be obtained from pages created by Algonquin's Information Technology Services (ITS) through the following link:

www.algonquincollege.com/its

Task 3. Create your Cisco Networking Academy Program (CNAP) Account

[FREE online version of course textbook!!! See step 9.]

You are registered in a "CCNA R&S: Introduction to Networks" class created on Cisco's NetSpace server to allow you to complete the online tests associated with this course. As a new student, you must have received an auto-generated emails from Cisco with login details for this account.

The requirements for this section are:

- [2 marks] Completing the setup of your Cisco CNAP account
- [2 marks] printing out the Course Overview from the online textbook (ie. you are able to open and navigate the online course).

Step 1. Verify that you have received an email from Cisco to your @algonquinlive.com account probably titled "https://www.netacad.com: Cisco NetSpace Login Information". If not, notify your lab Professor immediately. Read the email noting the initial Username and Password.

Step 2. Browse to: <https://www.netacad.com/>
Enter the initial Username and Password that you received in the email.

Step 3. During this first-time login, you will be presented with a usage agreement - read it and click any & all "accept" boxes.

Step 4. You will be presented with a new user registration screen, where you can enter your specific account information.

Step 5. Note that you may change your login ID to any convenient ID. The restriction we impose at Algonquin is that you **must** leave your email address as your Algonquin email address (ie. xxxxxxxx@algonquinlive.com)

Step 6. First and Last Name – Check if your first and last names on the Cisco Academy site are reversed (ie. Your first name is in the last name field). If necessary, please correct this. Make sure any apostrophes are correct!

Step 7. Fill in the remaining fields and submit the form. **Note:** *Once you successfully complete this screen, subsequent logins will require you to use your user ID (screen name) and your newly chosen password.*

Step 8. In the "Learn" section, click "16F_NET1002" to access the course. Launch the course.

Step 9. Navigate through the different parts of the course webpage, Explore and find things.

Step 10. Find the **Course Overview** Page at (0.0.1.11) in chapter 0, copy the contents of the page (text only) to a word document or other text editor, add your name and section and print a copy.

Task 4. Access Blackboard (“BB”)

Point your browser to blackboard.algonquincollege.com and use your Algonquin network userid and password to login.

Step 1. Once logged in, click on the Courses tab

Step 2. Find the link to the **16F_NET1002_010 Networking Fundamentals** course and explore its contents

Step 3. Find the link within 16F_NET1002_010 that leads to all the course materials (including a softcopy of this lab, and the materials for the next task!)

Task 5. Introduction to Packet Tracer.

[3 marks] Find, **complete**, and **print** the activity titled “Introduction to Packet Tracer”. It's available on the course website (Lab1–PacketTracer)

YOU WILL KNOW YOU ARE DONE THIS LAB WHEN YOU HAVE:

1. Obtained your Algonquin network UserID & password through ACSIS
2. Sent an email to your **lab** Professor
3.
 - A. Completed your registration on Cisco's CNAP server
 - B. Found an online version of the course textbook
 - C. Printed the Course Outline
4. Accessed the 16F_NET1002_010 course on Blackboard
5. Completed the lab assignment “Introduction to Packet Tracer”