

CST8182 - Networking Fundamentals

Lab #1 - Preparing for Algonquin Computing

DUE: All parts of this lab are intended to be completed during your scheduled period, but if you are unable to achieve this, be sure to complete the lab before the start of your next lab period.

In this lab you will set up your Algonquin College computing environment and become familiar with some of the computing resources necessary for this course. Algonquin College Computer Studies students have access to licensed Microsoft software through the Microsoft Developer Network Academic Alliance (MSDNAA). More information regarding MSDNAA is available on the course website (Blackboard). During this lab you will load Windows XP Professional onto your hard drive caddy.

URL's for this lab

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

1A. Caddy Setup (Only for those students whose labs are in T108)

The computers in T108 do not have internal hard drives. You will need to load a Windows XP image on to an external eSATA drive or your hard drive caddy.

- Insert the bootable CD (provided by the instructor) and your caddy into your workstation and power up the work station. Follow the instructions on the screen - note that you must have a working network connection for the image to load onto your caddy.
- Since there are two hardware configurations in T108, you may need to create two hardware profiles. This will be explained as necessary in the lab.

1B. Access to Algonquin College lab computers

To be able to use a computer in most Algonquin College labs (but notably **not** T108), you will need to logon with an Algonquin UserID. This ID can be obtained 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 Algonquin UserID (up to four letters of your last name, followed by enough digits to result in an 8-character string) and your password by clicking on **Network Account Info** on the left side of the screen. These are the credentials you need to log into the Algonquin network (including the Blackboard server - discussed below). If a login "Domain" is required, specify **Woodroffe**.

To change you network account password, follow these instructions :

- Log into a Windows XP computer in any of the Computer labs (but not T108)
- Hit the Ctrl-Alt-Del keys at the same time
- Left click on "Change Password"
- Enter your Campus, Old password and New password twice
- Click ok and wait a few seconds

This process will also change your email and Blackboard passwords.

2. Email: Configure & Test

Being a *Networking* student, I highly recommend that you get in the habit of retrieving your email at least once every day.

Your Algonquin-issued email address has the form UserID@algonquincollege.com where UserID is the same as that referenced in #2 above. **As a student in CST8182, you have already received several from your instructor at this address.** 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 to use the College browser-based mail reader which lets you access your mail by simply entering your email address and password. Use this site now to read the email delivered to your Algonquin email address. webmail.algonquincollege.com. For other ways to access your email visit <http://www.algonquincollege.com/its/student/index.htm>

IMPORTANT: As an Algonquin student, you are responsible for reading all email sent to your Algonquin-issued email address!

If, however, you prefer to use an alternate email address, I recommend you do this:

- through ACSIS, update your profile to accurately reflect your preferred email address.
- To forward your email to another account you must connect to webmail.algonquincollege.com, go to Options and select Settings. Click on the box stating Enable Forwarding. Enter the address(es) one line at a time in the text box below.
- read the email that's currently in your Algonquin account, forward anything you wish to keep to your preferred email address, then delete all your Algonquin email

Lastly, use webmail to send an email to your lab instructor indicating that you have access to College email. All CST8182 related email will be sent to your College Email Account.

3. CNAP (Cisco Networking Academy Program) Access

You have been electronically enrolled into a CCNA-1 class created on the CNAP server to allow you to complete the online tests associated with this course. Here, you will complete your registration information and familiarize yourself with the site.

1. Verify that you have received 2 emails from your instructor at your Algonquin account with subject lines "Academy Connection Account Created" and "Academy Connection Enrolled in Class". *If not, notify me immediately.* Read the first of these emails noting the "Initial ID" and "Password" given.
2. Point your browser to cisco.netacad.net and login. (enter the 7-digit "Initial ID" as the "Username").
3. During this first-time login, you will be presented with a usage agreement - read it and click "I Accept" at the bottom.
4. You will now be presented with the **New User Registration** screen, where you can enter personal information. **Start by entering these FIRST!**
5. **Login Information** "Username": **ENTER YOUR 8-CHARACTER ALGONQUIN UserID**
6. If your Algonquin UserID is already in use then use your 8-character Algonquin UserID with cnap appended (ex. smit0001cnap)
7. **First and Last Name** – your first and last names on the Cisco Academy site where created reversed (ie. Your first name is in the last name field). Please correct this.
8. **Personal Information** "Email Address": verify that it's the one you want
9. **Preferences** "Time Zone": specify "(GMT-5:00) Eastern Time ..."
10. Fill in the remaining fields then click "Register" at the bottom. **Note:** *Once you successfully exit from this screen, subsequent logins will require you to use your Algonquin UserID and your newly chosen password.*
11. Notice the **My Profile** link near the top-right. Use this to modify your information in the future as needed.
12. In the **Learn** section, click on "09F_CST8182_030" to access the course.
13. In the **Assessments and Grades** area you will notice links:
14. **Take Assessment** - to take an online test
15. **Gradebook** - to review your online test results
16. Logout from the CNAP site.

4. Access Blackboard ("BB")

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

1. Once logged in, click on the **Courses** tab near the top-left.
2. Find the course entitled **CCNA_1** and click to enter it.
3. This BB course provides access to the online Cisco curriculum for CCNA Exploration 1. To access this curriculum, click the link underneath the title: **CCNA Exploration 1**
4. Once you have finished exploring CCNA Exploration 1, click on the "COURSES" link near the top-left.
5. Find the link to the **09F_CST8182_030** course and explore its contents.
6. Logout from Blackboard.

5. Introduction to Packet Tracer.

Complete the activity entitled "Introduction to Packet Tracer". Available on Blackboard (Course Documents -> Labs -> Lab1)

6. Additional Information and Help

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

Here, you will find information about how to dial in from home to the college network, how to configure your email, accounts and quotas, how to get help with network or computer issues, etc.

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

1. successfully obtained your Algonquin network UserID and password through ACSIS a functioning caddy (if your lab is in T108)
2. sent an email to your lab instructor
3. completed your registration on the CNAP server
4. A. successfully accessed the CCNA Exploration 1 online curriculum on Blackboard
B. successfully accessed the 09F_CST8182_030 course on Blackboard
5. successfully completed the lab assignment "Introduction to Packet Tracer"