

Pre-Lab 1: Introduction to Nokia remote lab access

Or. Keeping track of all your Nokia passwords!

What you will do:

1. Create your main Nokia (corporate) account
2. Familiarize yourself with the basic topology to be used for the semester.
3. Familiarize yourself with the classes and heirarchy of required passwords

Things that you will need to know or learn:

1. URL to create your Nokia corporate account
2. Topology of the Nokia In-lab infrastructure (see next page)
3. Password chart (provided in this pre-lab)

What you need to submit and when:

1. Complete this exercise then **Lab1-Prelab on Blackboard, before** (the assigned due date)
2. Complete the in-lab (see Lab01), **before** the end of your lab period.
3. Complete the "Lab 1 Post-lab" exercise on Blackboard, **before** (the assigned due date).

Required Equipment:

- USB memory stick to save results for post-lab questions
- Hard-cover lab notebook, for reference during SBA at the end of the course.
- PC with internet access, (Java ?), and terminal program; eg. Putty (Provided in T108)

Marks:

Each of the lab parts identified above are weighted equally, even though they may have a different number of points assigned to them.

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

References and Resources:

- Emails sent to your Algonquin college email address during the first week of classes
- ebook and eTextbooks to which you will gain access via your Nokia and Adobe accounts
- Topology diagram (next page)
- Command reference (see below)
- MyNetworkLab: remote-access lab facility hosted at the Nokia Kanata campus

Task 1: Create your main Nokia (corporate) account

"Create an Nokia.com corporate account at

<https://market.alcatel-lucent.com/release/jsp/sso/login.jsp>

Select role: General Access"

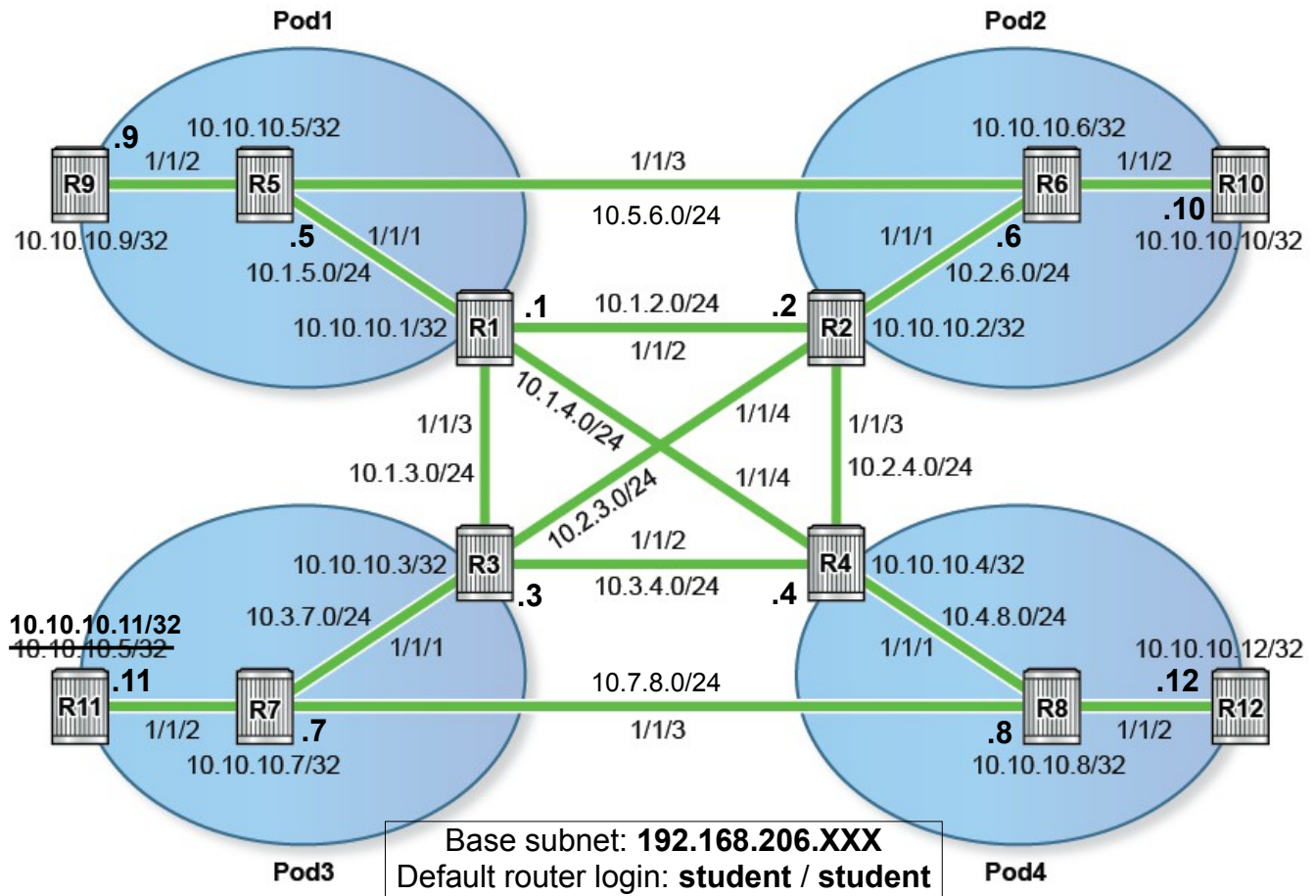
Note: You **MUST** use your Algonquin email address for this account.

Task 2: Familiarize yourself with the standard in-lab topology & addressing

See the next page for full details.

Topology

This is the full network *topology* available to us during weekly labs for the rest of the semester. Only Telnet can be used to access the devices. Understanding the rationale behind the cabling and addressing makes it much easier to remember all the values. You should become very familiar with this topology (ie. memorize it!) so that you don't need to constantly flip back to it!



Addressing & Login Table

	Edu Lab 1	Edu Lab 2	Edu Lab 3
R1	.164	.196	.228
R2	.165	.197	.229
R3	.166	.198	.230
R4	.167	.199	.231
R5	.168	.200	.232
R6	.169	.201	.233
R7	.170	.202	.234
R8	.171	.203	.235
R9	.172	.204	.236
R10	.173	.205	.237
R11	.174	.206	.238
R12	.175	.207	.239

	My specific login information
EDU Lab # (1, 2, or 3)	
Individual login ID	
Corresponding password	

See Blackboard for a list of login IDs and passwords; write **yours** in the space above.

Task 3: Familiarize yourself with the many Accounts, Logins, and Passwords

NB When required, you must supply your **Algonquin email address** to ensure consistency between Nokia systems, as well as with Adobe ID & DRM.

1. Nokia corporate web site
 - Required to get credits for weekly bookings for MyNetworkLab (for **all** post-lab exercises)
 - Login ID is based on your email address (use **Algonquin** email) + a chosen password (password rules: 8 char min, 1+ alpha characters; 1+ non-alphanumeric chars)
2. Adobe ID account (e.g. only one-time use)
 - For Adobe Digital Editions (ADE) unlocking of NRS II ebook; use your **Algonquin** email
3. PDF courseware from Nokia (every time you want to access to MPLS & SA notes)
 - sent in email titled "Algonquin Net3012 IP Architectures and Solutions Course - Access Your Nokia Courseware" (to be confirmed)
4. MyNetworkLab account
 - Login ID and password assigned to you; neither can be changed; received by email
5. Aventaill Service identifier for In-lab access (ie. regular weekly In-lab period)
 - always **student**
6. Aventaill account credentials for In-lab access (available on Blackboard)
 - login ID (e.g. aca001-10479) and password stays the same for the semester
7. Credentials for router access during lab periods
 - always **student / student**
8. FTP account for saving, checking, restoring config files during In-lab access
 - **edu1 / dEEtgx2Y** or **edu2 / dEEtgx2Y** for each 1/2 of the class; **Rxx = R01, R02, ...**
~~mkdir: file md ftp://edu1:dEEtgx2Y@192.168.181.81/Rxx/ande0001~~
save: admin save ftp://edu1:dEEtgx2Y@192.168.181.81/Rxx/ande0001-L1.cfg
check: file dir ftp://edu1:dEEtgx2Y@192.168.181.81/Rxx/
restore: exec ftp://edu1:dEEtgx2Y@192.168.181.81/Rxx/ande0001-L1.cfg
9. Aventaill Service identifier for MyNetworkLab access (other than In-lab period)
 - always **mynetworklab**
10. Aventaill account credentials for MyNetworkLab access (other than In-lab period)
 - New numeric login ID and password for every booking; sent by email
11. Credentials for router access in MySRLab (other than In-lab period)
 - always **student / student**
12. FTP account for saving, checking, and restoring config files during MySRLab access (for non-inlab sessions) (Note: DNS for mysrlab = 192.168.181.90) **Ry = R1, R2, R3, ...**
 - same as #4 above (eg. your individual, assigned MyNetworkLAB login + password)
~~mkdir: file md ftp://{login}:{pswd}@mysrlab/STD/Ry/L2-OSPF~~
save: admin save ftp://{login}:{pswd}@mysrlab/STD/Ry/L2-OSPF.cfg
check: file dir ftp://{login}:{pswd}@mysrlab/STD/Ry/
restore: exec ftp://{login}:{pswd}@mysrlab/STD/Ry/L2-OSPF.cfg

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