Final Exam - Part 2 (50 points total)

Name: ...................................................... Machine #:............. Root Password:.............................
Date: Saturday, May 8, 2004
Time: 9:30 a.m. - 10:30 a.m.

This test has two parts: part 1 was focused on the theory and concepts covered in class and should have been turned in
before you started to work on this part 2 which involves practical exercises on your computer in the lab. You can use
reverse sides of each page or additional paper if you need extra space.

For each task below list all files, changes to them, commands involved and steps needed / you made. Also give a
brief description of other ways that you know and that would accomplish the task too.

1.(8 points) Change the name and IP address of your machine in such a way that you append “3” to the name and add 50
to the last byte of the IP address. For example, machine ivn, 192.168.8.5 becomes ivn3, 192.168.8.55.
Reboot the computer and make sure that it comes up with the new name and IP address.
2. (8 points) Make all necessary changes to your system that will allow root@ivn3 to rsh into your machine. What changes did you have to do and what related changes to your system were already done?

3. (8 points) Rename /mid209 partition to /final_test and allow only ivn3.cs209.cs.nmsu.edu to mount it rw with a root user on the client system still treated as root.
4. (8 points) Find out what is the ethernet address of ivan.cs209.cs.nmsu.edu
How can you force your computer to remove the ivan's entry from its ARP cache?

5. (12 points) Create user final with password fpwd7 and make sure that this user can ssh into your machine from any computer on your subnet. Allow user final to kill any process on your machine without giving him user ID equal to zero. List all open ssh connections to your machine.

6. (6 points) Create a new EXT3 file system on a floppy disk provided, copy on it all files modified during this test and submit it together with this report.
Final Exam - Part 2 (50 points total)

Name: ...................................................... Machine #:............. Root Password:......................................
Date: Saturday, May 8, 2004
Time: 9:30 a.m. - 10:30 a.m.

This test has two parts: part 1 was focused on the theory and concepts covered in class and should have been turned in before you started to work on this part 2 which involves practical exercises on your computer in the lab. You can use reverse sides of each page or additional paper if you need extra space.

For each task below list all files, changes to them, commands involved and steps needed / you made. Also give a brief description of other ways that you know and that would accomplish the task too.

1.(8 points) Change the name and IP address of your machine in such a way that you append “3” to the name and add 50 to the last byte of the IP address. For example, machine ivn, 192.168.8.5 becomes ivn3, 192.168.8.55.
Reboot the computer and make sure that it comes up with the new name and IP address.
2. (8 points) Make all necessary changes to your system that will allow root@ivn3 to rsh into your machine. What changes did you have to do and what related changes to your system were already done?

3. (8 points) Rename /mid209 partition to /final_test and allow only ivn3.cs209.cs.nmsu.edu to mount it rw with a root user on the client system still treated as root.
4. (8 points) Find out what is the ethernet address of ivan.cs209.cs.nmsu.edu
   How can you force your computer to remove the ivan’s entry from its ARP cache?

5. (12 points) Create user final with password fpwd7 and make sure that this user can ssh into your machine from any computer on your subnet. Allow user final to kill any process on your machine without giving him user ID equal to zero. List all open ssh connections to your machine.

6. (6 points) Create a new EXT3 file system on a floppy disk provided, copy on it all files modified during this test and submit it together with this report.
Final Exam - Part 2 (50 points total)

Name: .................................................. Machine #:............. Root Password:.............................
Date: Saturday, May 8, 2004
Time: 9:30 a.m. - 10:30 a.m.

This test has two parts: part 1 was focused on the theory and concepts covered in class and should have been turned in before you started to work on this part 2 which involves practical exercises on your computer in the lab. You can use reverse sides of each page or additional paper if you need extra space.

For each task below list all files, changes to them, commands involved and steps needed / you made. Also give a brief description of other ways that you know and that would accomplish the task too.

1.(8 points) Change the name and IP address of your machine in such a way that you append “3” to the name and add 50 to the last byte of the IP address. For example, machine ivn, 192.168.8.5 becomes ivn3, 192.168.8.55.
Reboot the computer and make sure that it comes up with the new name and IP address.
2. (8 points) Make all necessary changes to your system that will allow root@ivn3 to rsh into your machine. What changes did you have to do and what related changes to your system were already done?

3. (8 points) Rename /mid209 partition to /final_test and allow only ivn3.cs209.cs.nmsu.edu to mount it rw with a root user on the client system still treated as root.
4. (8 points) Find out what is the ethernet address of ivan.cs209.cs.nmsu.edu
How can you force your computer to remove the ivan's entry from its ARP cache?

5. (12 points) Create user final with password fpwd7 and make sure that this user can ssh into your machine from any computer on your subnet. Allow user final to kill any process on your machine without giving him user ID equal to zero.
List all open ssh connections to your machine.

6. (6 points) Create a new EXT3 file system on a floppy disk provided, copy on it all files modified during this test and submit it together with this report.
Final Exam - Part 2 (50 points total)

Name: ...................................................... Machine #:............. Root Password:.............................

Date: Saturday, May 8, 2004
Time: 9:30 a.m. - 10:30 a.m.

This test has two parts: part 1 was focused on the theory and concepts covered in class and should have been turned in
before you started to work on this part 2 which involves practical exercises on your computer in the lab. You can use
reverse sides of each page or additional paper if you need extra space.

For each task below list all files, changes to them, commands involved and steps needed / you made. Also give a
brief description of other ways that you know and that would accomplish the task too.

1. (8 points) Change the name and IP address of your machine in such a way that you append “3” to the name and add 50
to the last byte of the IP address. For example, machine ivn, 192.168.8.5 becomes ivn3, 192.168.8.55.
Reboot the computer and make sure that it comes up with the new name and IP address.
2. (8 points) Make all necessary changes to your system that will allow `root@ivn3` to `rsh` into your machine. What changes did you have to do and what related changes to your system were already done?

3. (8 points) Rename `/mid209` partition to `/final_test` and allow only `ivn3.cs209.cs.nmsu.edu` to mount it `rw` with a root user on the client system still treated as root.
4. (8 points) Find out what is the ethernet address of ivan.cs209.cs.nmsu.edu
How can you force your computer to remove the ivan’s entry from its ARP cache?

5. (12 points) Create user final with password fpwd7 and make sure that this user can ssh into your machine from any computer on your subnet. Allow user final to kill any process on your machine without giving him user ID equal to zero. List all open ssh connections to your machine.

6. (6 points) Create a new EXT3 file system on a floppy disk provided, copy on it all files modified during this test and submit it together with this report.