

COMP-10018: Test 2

Note: You have 60 minutes to complete the test work. Any additional time available may be used to run the grading script and to submit to eLearn.

Prerequisites:

Before you start this test you must have:

- The comp-10018 virtual lab appliance, **comp-10018-vlab.ova** found on the CSAIT lab systems.
 - Oracle VirtualBox software, found on all lab systems at the college and available from <http://virtualbox.org>
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Grading:

You will run a host info script on s01 and submit the output to eLearn.

Part A: Import The Appliance

1. Import **clean, fresh** copies of **w01** and **s01** from (*D:/Courses/comp-10018/comp-10018-vlab.ova*)
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Part B: Backup (2 points)

Today you will be changing many files in the **/etc** directory tree, so you will first create a backup of **/etc** on **s01**

1. Create a tar archive named **/tmp/etc.tar** on **s01** containing all files from the local **/etc** directory tree.
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Part C: NFS (5 points)

In this section you will create an NFS share on s01 to be used by any and all users on w01.

1. The shared directory must be called **/nfs/w01**
 2. Any user on w01 must appear as the user named **alice** when accessing the share
 3. Any user on w01 must appear to belong to the group named **w01users** when accessing the share
 4. All configuration changes must survive a reboot
 5. The share must be mounted by w01 when you run the grading script
 6. The share must contain at least one test file created by a user from w01
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Part D: Logging (5 points)

Install the Apache web server on **w01** and have it log it's errors via **rsyslog** to the file **/var/log/httpd.err** on **s01**

1. All changes must be permanent (survive reboot)
2. You must cause the web server to generate some errors to test your work

Note: This question is not identical to the practice test

Part E: Incremental Backup (2 points)

You made some changes to the contents of the **/etc** directory tree on **s01** since the backup was created in section B. Create a **tar** archive named **/tmp/changes.tar** containing only the files that have changed since the tar backup from section B completed.

Part F: Grading

Run the grading script **host_info_t2.sh** and submit the output to eLearn.