From:	Paul Cotton
To:	Paul Cotton
Subject:	FW: preparation for LFS201 course
Date:	08 August 2019 09:15:34
Attachments:	image005.png

From: Paul Cotton
Sent: 08 August 2019 09:12
To: Paul Cotton <Paul.Cotton@kerryfoods.co.uk>
Subject: preparation for LFS201 course

I booted the VM , and ran the ready-for.sh script below, to check that all of the relevant packages were installed. The output below offers conflicting message
saying "you are ready for the course" and that some packages are missing, but not clear whether these warnings are superfluous and ok to proceed with the
course ?


```
student@opensuse:~> ./ready-for.sh  LFS201
Checking that this computer is suitable for LFS201: Essentials of System Administration
----------------------------------------------------------------------------------
PASS: CPU architecture is x86_64
PASS: 3 core CPU
PASS: Your CPU appears powerful enough (currently at 11376 BogoMIPS cumulatively)
PASS: 4 GiB RAM
PASS: 15 GiB free disk space in /home/student
PASS: 15484 MiB free disk space in /boot
PASS: Linux distribution architecture is x86_64
NOTE: Currently running openSUSE Leap 15.1 (supported)
----------------------------------------------------------------------------------
WARN: Some packages are missing
You can install missing packages by running:
  ./ready-for.sh --install LFS201
or by:
  sudo zypper install net-tools-deprecated
----------------------------------------------------------------------------------
----------------------------------------------------------------------------------
PASS: You are ready for the course! W00t!
NOTE: Make sure to follow the instructions above to fix any issues found
```

Working on the assumption that we were missing some packages I ran ./ready-for.sh –install LFS201 which threw metadata errors below
 I note that the URL embedded links below within the script reference the non-secure
 http://download.opensuse.org/update/leap/15.1/non-oss/
url (which are inaccessible from any of our browsers) .

```
student@opensuse:~> ./ready-for.sh --install LFS201
Checking that this computer is suitable for LFS201: Essentials of System Administration
--------------------------------------------------------------------------
PASS: CPU architecture is x86_64
PASS: 3 core CPU
PASS: Your CPU appears powerful enough (currently at 11376 BogoMIPS cumulatively)
PASS: 4 GiB RAM
PASS: 15 GiB free disk space in /home/student
PASS: 15484 MiB free disk space in /boot
PASS: Linux distribution architecture is x86_64
NOTE: Currently running openSUSE Leap 15.1 (supported)
--------------------------------------------------------------------------
WARN: Some packages are missing
Retrieving repository 'Non-OSS Repository' metadata ..................................................[error]
Repository 'Non-OSS Repository' is invalid.
[repo-non-oss|http://download.opensuse.org/distribution/leap/15.1/repo/non-oss/] Valid metadata not found at specified URL
Please check if the URIs defined for this repository are pointing to a valid repository.
Warning: Skipping repository 'Non-OSS Repository' because of the above error.
Retrieving repository 'Main Repository' metadata ....................................................[error]
Repository 'Main Repository' is invalid.
[repo-oss|http://download.opensuse.org/distribution/leap/15.1/repo/oss/] Valid metadata not found at specified URL
Please check if the URIs defined for this repository are pointing to a valid repository.
Warning: Skipping repository 'Main Repository' because of the above error.
Retrieving repository 'Main Update Repository' metadata .............................................[error]
Repository 'Main Update Repository' is invalid.
[repo-update|http://download.opensuse.org/update/leap/15.1/oss] Valid metadata not found at specified URL
Please check if the URIs defined for this repository are pointing to a valid repository.
Warning: Skipping repository 'Main Update Repository' because of the above error.
Retrieving repository 'Update Repository (Non-Oss)' metadata ........................................[error]
Repository 'Update Repository (Non-Oss)' is invalid.
[repo-update-non-oss|http://download.opensuse.org/update/leap/15.1/non-oss/] Valid metadata not found at specified URL
Please check if the URIs defined for this repository are pointing to a valid repository.
Warning: Skipping repository 'Update Repository (Non-Oss)' because of the above error.
Some of the repositories have not been refreshed because of an error.
Loading repository data...
Reading installed packages...
Package 'net-tools-deprecated' not found.
WARN: Some packages didn't install: net-tools-deprecated
--------------------------------------------------------------------------
--------------------------------------------------------------------------
WARN: You may have troubles using this computer for this course unless you can fix the above warnings.
WARN: Ask your instructor on the day of the course if you have more questions.
NOTE: Make sure to follow the instructions above to fix any issues found
student@opensuse:~>
```

However I note that I manually enter the secure URL https://download.opensuse.org/update/leap/15.1/non-oss/ url into my web browser

In place of http://download.opensuse.org/update/leap/15.1/non-oss/ I could access the content okay. I then updated the ready-for.sh script by changing
http to https and reran with the result below. I'm assuming the issue lies with firewall restrictions associated with network connectivity through the VM
but before I go ahead and investigate these restrictions, I just need someone to confirm whether the existing pre-built VM I've loaded should be suitable
for running the LFS201 course without the need for worrying about removing these restrictions /downloading any additional packages. ?

```
student@opensuse: > ./ready-for_nod.sh --install  LFS201
./ready-for_nod.sh: line 3789: f: command not found
Checking that this computer is suitable for LFS201: Essentials of System Administration
--------------------------------------------------------------------------------
PASS: CPU architecture is x86_64
PASS: 3 core CPU
PASS: Your CPU appears powerful enough (currently at 11376 BogoMIPS cumulatively)
PASS: 4 GiB RAM
PASS: 15 GiB free disk space in /home/student
PASS: 15178 MiB free disk space in /boot
PASS: Linux distribution architecture is x86_64
NOTE: Currently running openSUSE Leap 15.1 (supported)
--------------------------------------------------------------------------------
WARN: Some packages are missing
Problem retrieving files from 'Non-OSS Repository'.
Download (curl) error for 'http://download.opensuse.org/distribution/leap/
Error code: Curl error 60
Error message: SSL certificate problem: unable to get local issuer certifi

Please see the above error message for a hint.
Warning: Skipping repository 'Non-OSS Repository' because of the above err
Problem retrieving files from 'Main Repository'.
Download (curl) error for 'http://download.opensuse.org/distribution/leap/
Error code: Curl error 60
Error message: SSL certificate problem: unable to get local issuer certifi

Please see the above error message for a hint.
Warning: Skipping repository 'Main Repository' because of the above error.
Problem retrieving files from 'Main Update Repository'.
Download (curl) error for 'http://download.opensuse.org/update/leap/15.1/o
Error code: Curl error 60
Error message: SSL certificate problem: unable to get local issuer certifi

Please see the above error message for a hint.
Warning: Skipping repository 'Main Update Repository' because of the above
Problem retrieving files from 'Update Repository (Non-Oss)'.
Download (curl) error for 'http://download.opensuse.org/update/leap/15.1/n
Error code: Curl error 60
Error message: SSL certificate problem: unable to get local issuer certifi

Please see the above error message for a hint.
Warning: Skipping repository 'Update Repository (Non-Oss)' because of the
Some of the repositories have not been refreshed because of an error.
Loading repository data...
Reading installed packages...
Package 'net-tools-deprecated' not found.
WARN: Some packages didn't install: net-tools-deprecated
--------------------------------------------------------------------------------
--------------------------------------------------------------------------------
WARN: You may have troubles using this computer for this course unless you
WARN: Ask your instructor on the day of the course if you have more questi
NOTE: Make sure to follow the instructions above to fix any issues found
student@opensuse:~>
```