

Lab 2 of 7 (30 points)

336316 IMPLEMENTING A SMALL NETWORK: Switches and Connectivity

336311 MANAGING REMOTE ACCESS SESSIONS

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Date: 7-22-2012

Professor: Hopkins

336316 IMPLEMENTING A SMALL NETWORK: Switches and Connectivity (10 points)

Write a paragraph (minimum five college-level sentences) below that summarizes what was accomplished in this lab, what you learned by performing it, how it relates to this week's TCO's and other course material; and just as important, how you feel it will benefit you in your academic and professional career.

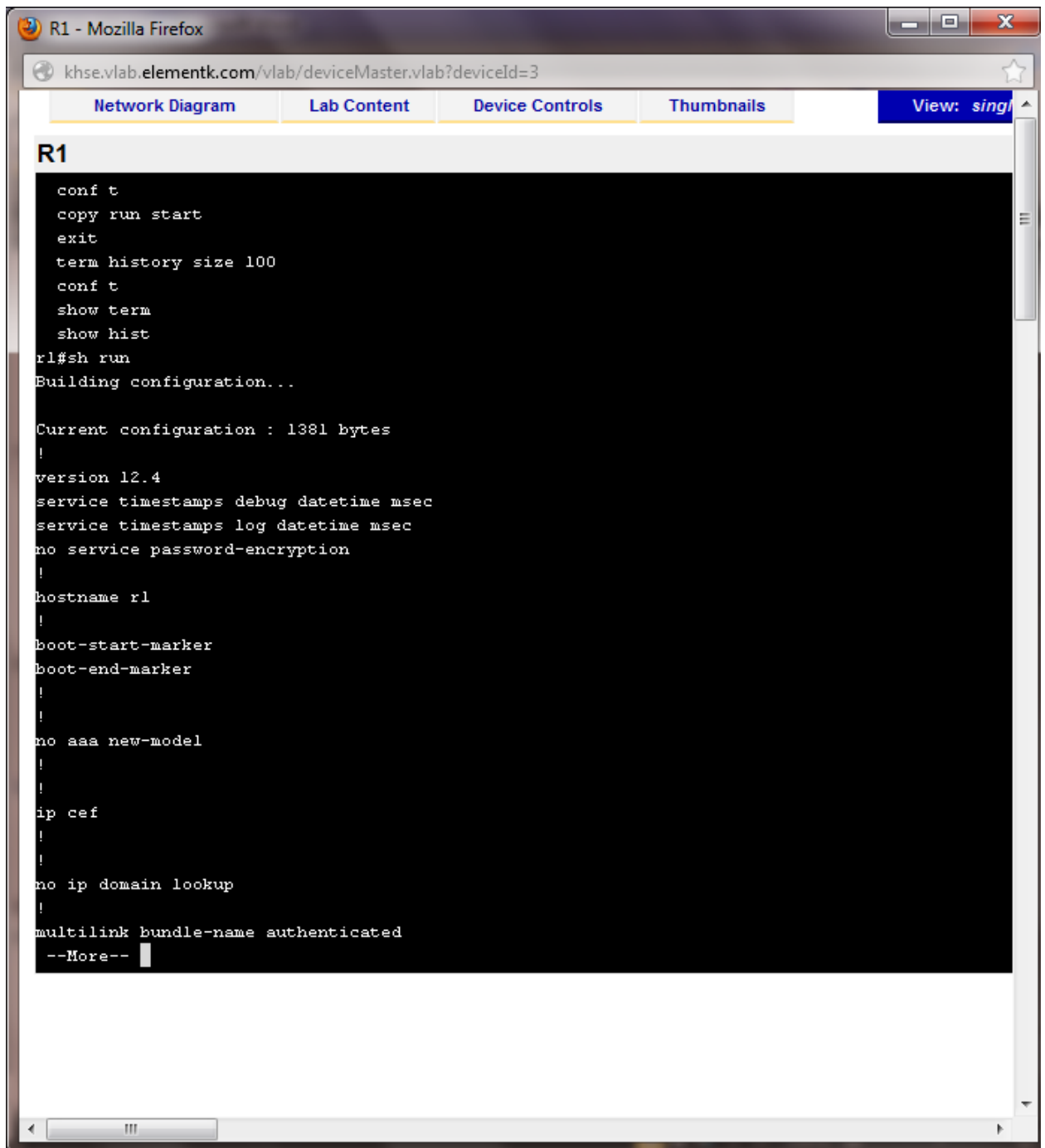
In this lab, we first consoled into sw1, reloaded it and then configured a hostname. Next, we assigned an IP address and subnet mask to the VLAN1 and enabled management of vlan1 of sw1. We assigned a default-gateway for our switch and installed a message of the day. Then, we configured port 1 on sw1 as a dot1q trunk. We manually set speed and duplex on sw1 and coreswitch c. We finished up by checking our changes with the show command and saved our configurations to startup-config. These actions will help me in configuring switches while here at Devry U. and at whatever professional concern awaits me.

336311 MANAGING REMOTE ACCESS SESSIONS

Also, after completing the lab, you must show your work by copying and pasting a screenshot of the following configurations/verification:

Task 1: Running configuration (5 points)

NETW206 Week 2 Lab Report



R1 - Mozilla Firefox

khse.vlab.elementk.com/vlab/deviceMaster.vlab?deviceId=3

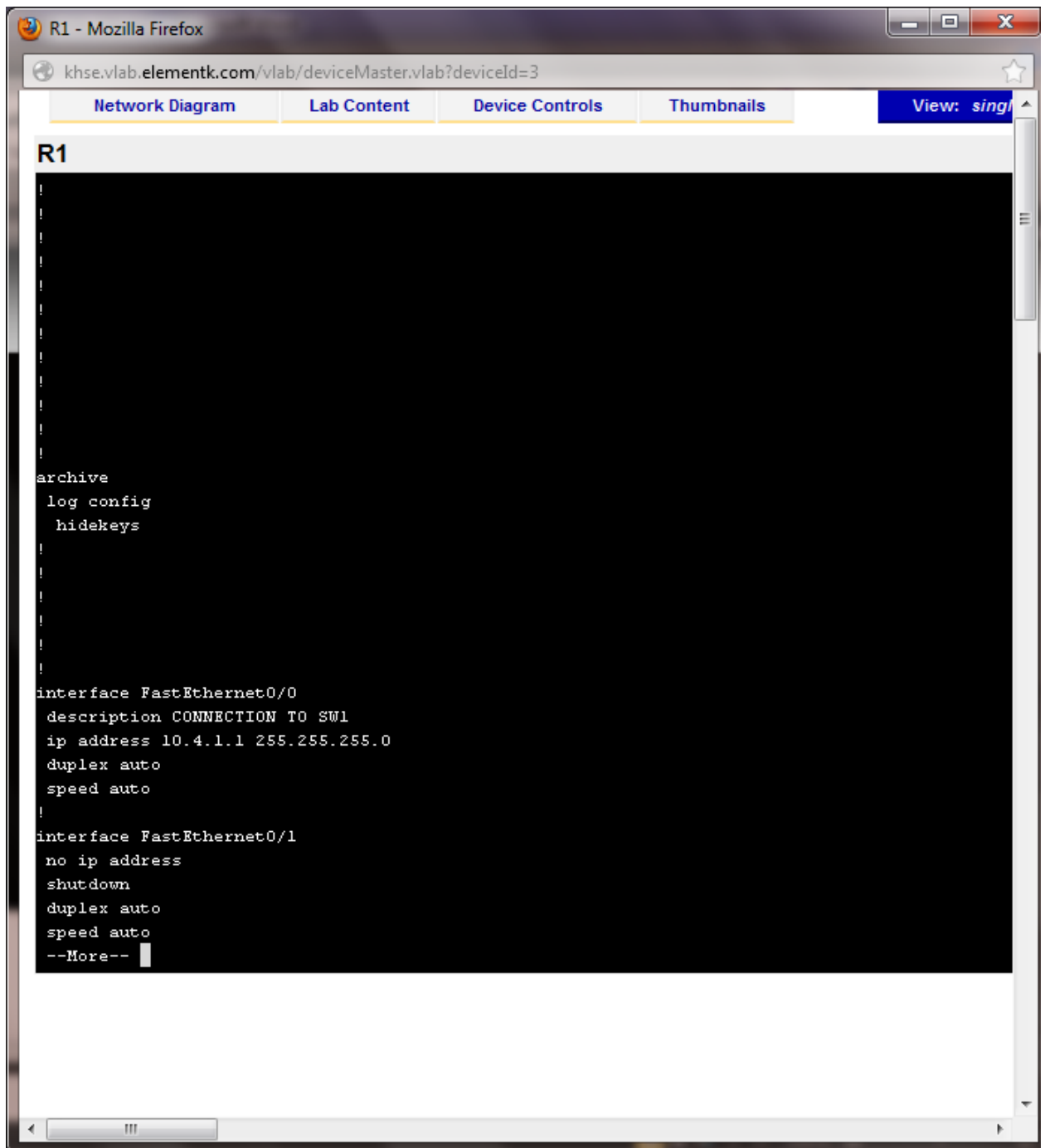
Network Diagram Lab Content Device Controls Thumbnails View: single

R1

```
conf t
copy run start
exit
term history size 100
conf t
show term
show hist
r1#sh run
Building configuration...

Current configuration : 1381 bytes
!
version 12.4
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname r1
!
boot-start-marker
boot-end-marker
!
!
no aaa new-model
!
!
ip cef
!
!
no ip domain lookup
!
multilink bundle-name authenticated
--More--
```


NETW206 Week 2 Lab Report



R1

```
archive
log config
  hidekeys
!
!
!
interface FastEthernet0/0
description CONNECTION TO SW1
ip address 10.4.1.1 255.255.255.0
duplex auto
speed auto
!
interface FastEthernet0/1
no ip address
shutdown
duplex auto
speed auto
--More--
```


NETW206 Week 2 Lab Report

```
R1
*****
^C
!
line con 0
  exec-timeout 60 0
  logging synchronous
  history size 100
line aux 0
line vty 0 4
  exec-timeout 60 0
  logging synchronous
  login
  history size 100
!
scheduler allocate 20000 1000
!
webvpn cef
!
end

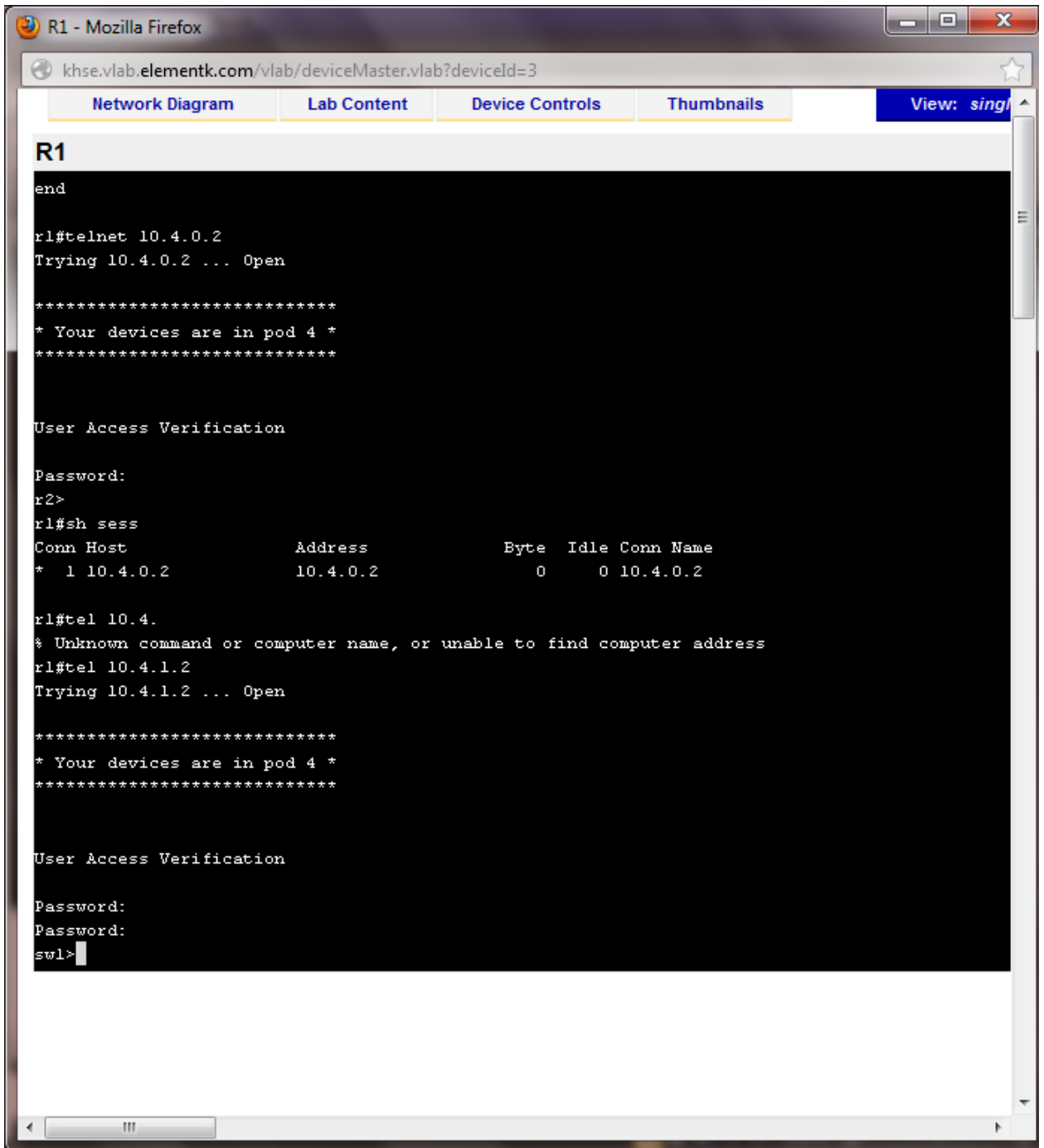
r1#telnet 10.4.0.2
Trying 10.4.0.2 ... Open

*****
* Your devices are in pod 4 *
*****

User Access Verification

Password:
r2>
```

NETW206 Week 2 Lab Report



R1 - Mozilla Firefox

khse.vlab.elementk.com/vlab/deviceMaster.vlab?deviceId=3

Network Diagram Lab Content Device Controls Thumbnails View: single

R1

```
end

r1#telnet 10.4.0.2
Trying 10.4.0.2 ... Open

*****
* Your devices are in pod 4 *
*****

User Access Verification

Password:
r2>
r1#sh sess
Conn Host          Address           Byte  Idle Conn Name
*  1 10.4.0.2      10.4.0.2         0    0 10.4.0.2

r1#tel 10.4.
% Unknown command or computer name, or unable to find computer address
r1#tel 10.4.1.2
Trying 10.4.1.2 ... Open

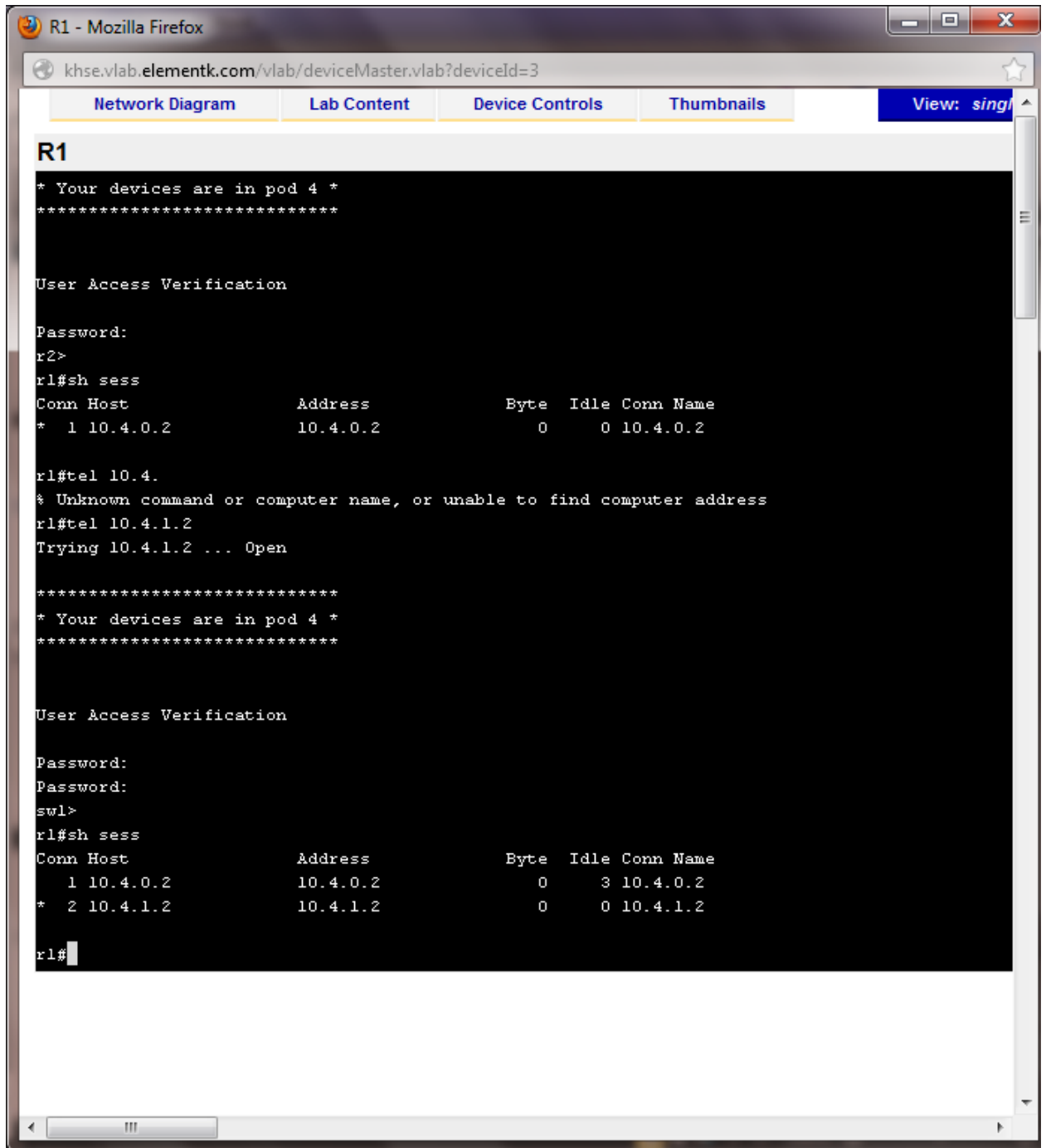
*****
* Your devices are in pod 4 *
*****

User Access Verification

Password:
Password:
sw1>
```

Task 3: Show active telnet sessions (5 points)

NETW206 Week 2 Lab Report



```
R1
* Your devices are in pod 4 *
*****

User Access Verification

Password:
r2>
r1#sh sess
Conn Host          Address           Byte  Idle Conn Name
*  1 10.4.0.2       10.4.0.2         0    0 10.4.0.2

r1#tel 10.4.
% Unknown command or computer name, or unable to find computer address
r1#tel 10.4.1.2
Trying 10.4.1.2 ... Open

*****
* Your devices are in pod 4 *
*****

User Access Verification

Password:
Password:
sw1>
r1#sh sess
Conn Host          Address           Byte  Idle Conn Name
  1 10.4.0.2       10.4.0.2         0    3 10.4.0.2
*  2 10.4.1.2       10.4.1.2         0    0 10.4.1.2

r1#
```

Paste a screenshot of your completed ElementK lab transcript found at Home/Account/Information/Transcript. Your name must appear on your transcript (5 points)

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The screenshot shows a Firefox browser window with two tabs: "Intro to Switching w/Lab" and "Account Information". The address bar displays the URL: <https://knowledge.elementk.com/accountinformation/StudentTranscript.jsp?navSelected=transcript>. The page header includes navigation links (Home, My Content, Catalog, Professional Development, Help) and a user greeting: "Welcome, Kevin O'Neal of DeVry University". The main heading is "Account Information", followed by a brief description of the section's purpose. Below this, there are tabs for "Personal Information", "Preferences", "Transcript", and "Login History". The "Transcript" tab is active, showing a filter set to "Completed" and a "FILTER" button. A table titled "vLabs" lists completed labs with their titles and completion dates.

Title	Date Completed
A Simple Network Using RIP Protocol	May 20, 2012
BSCI: Configuring OSPF Single Area	Jun 17, 2012
CALCULATING SUBNET MASKS	Mar 24, 2012
CLASSIFYING NETWORK ADDRESSING	Mar 10, 2012
COMPUTING USABLE SUBNETS AND HOSTS	Mar 10, 2012
Configuring RIPv1 and RIPv2 on the same network	May 27, 2012
CONNECTING TO THE INTERNET AND MAIN OFFICE: Static and Dynamic Routes	May 13, 2012
CONVERTING DECIMAL TO BINARY AND BINARY TO DECIMAL	Mar 10, 2012
ENHANCING THE SECURITY OF INITIAL ROUTER CONFIGURATION	Apr 8, 2012
ENHANCING THE SECURITY OF INITIAL SWITCH CONFIGURATION: SSH & Port Security	Apr 1, 2012
Floating Static Routes for Network Redundancy	May 20, 2012
IMPLEMENTING A SMALL NETWORK: Switches and Connectivity	Jul 22, 2012
IP Subnetting Lab	Mar 25, 2012
MANAGING REMOTE ACCESS SESSIONS	Jul 22, 2012
PERFORMING INITIAL ROUTER STARTUP	Apr 8, 2012
PERFORMING CUSTOM STARTUP AND INITIAL CONFIGURATION	Apr 1, 2012

Please post all screenshots and summary on the same document.