

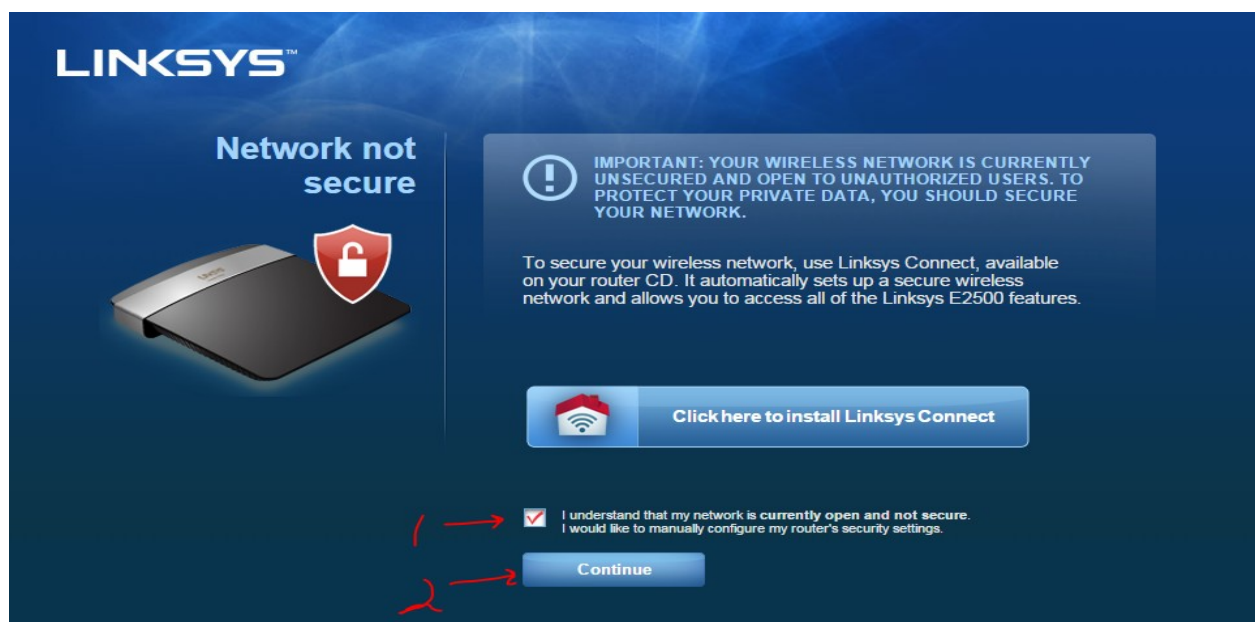
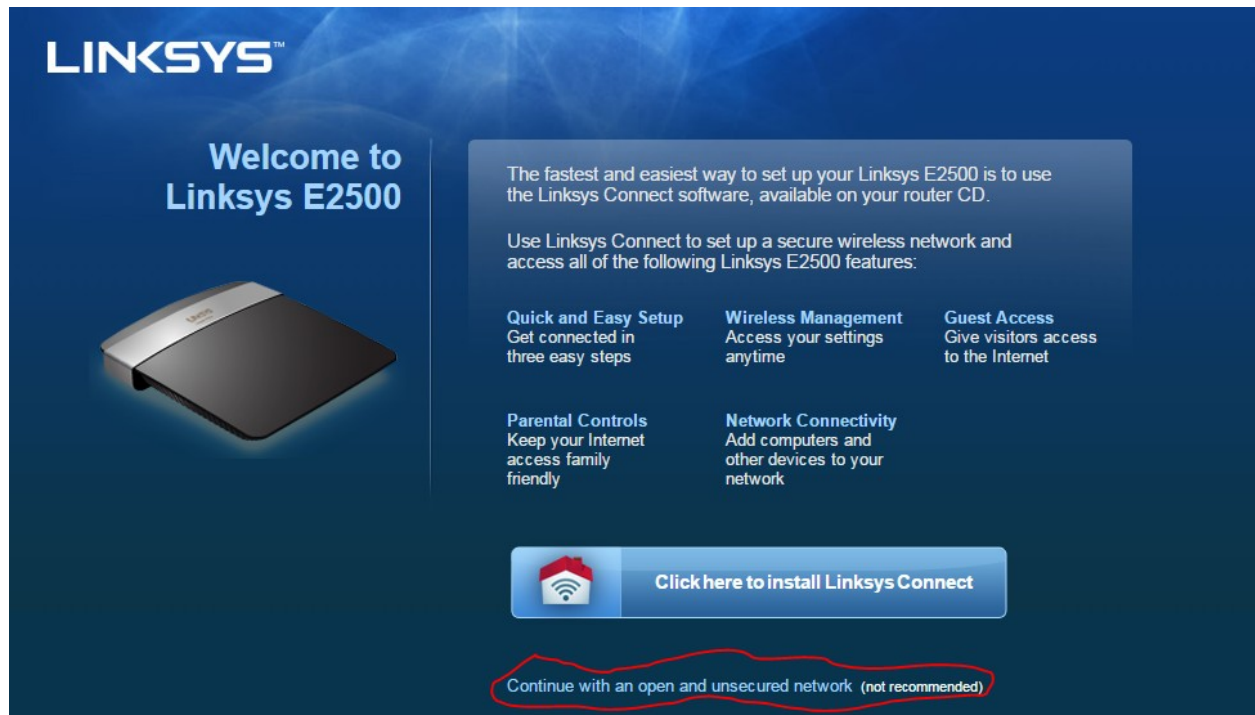
Configure “Router 1”

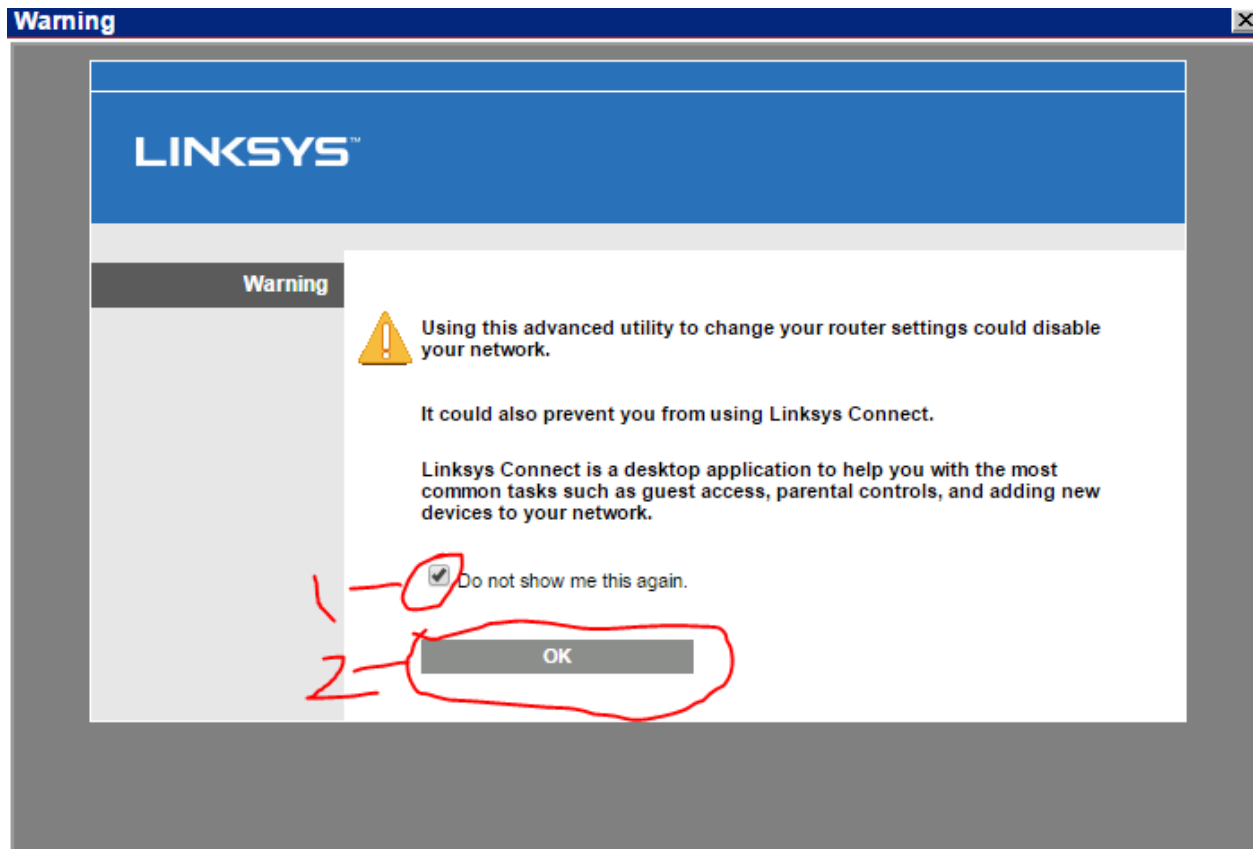
Reset to Factory Default

Reset the router to factory defaults.

Connect to the router’s management interface:

Type 192.168.1.1 in your browser’s address bar.

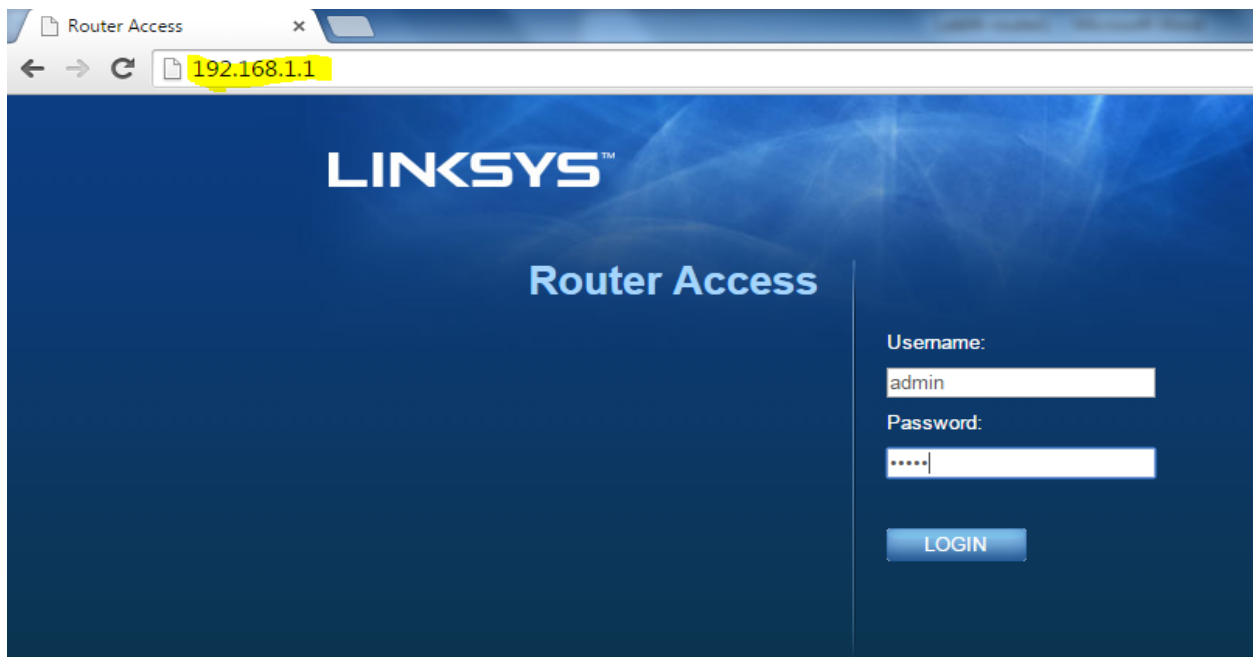




Login to the router's management interface:

Username: admin

Password: admin



Configure Router IP Addresses

The screenshot shows the Linksys Basic Setup page. Handwritten annotations are as follows:

- 1**: Points to the **Setup** tab in the top navigation bar.
- 2**: Points to the **Static IP** option in the **Internet Connection Type** dropdown menu.
- 3**: A bracket groups the IP address fields for Internet IP Address (10.10.10.1), Subnet Mask (255.255.255.252), Default Gateway (10.10.10.2), and DNS 1 (10.10.10.2).
- 4**: Points to the **MTU** dropdown menu, which is set to **Auto**.
- 5**: Points to the **Save Settings** button at the bottom right.

Setup | Wireless | Security | Storage | Access Policy | Applications & Gaming | Admin

Basic Setup | VLAN Setup | IPv6 Setup | DDNS | MAC Address Clone

Language
Select your language: English

Internet Setup
Internet Connection Type: Static IP

Internet IP Address: 10 . 10 . 10 . 1
Subnet Mask: 255 . 255 . 255 . 252
Default Gateway: 10 . 10 . 10 . 2
DNS 1: 10 . 10 . 10 . 2
DNS 2 (Optional): 0 . 0 . 0 . 0
DNS 3 (Optional): 0 . 0 . 0 . 0

Optional Settings (required by some Internet Service Providers)
Host Name:
Domain Name:
MTU: Auto Size: 1500

Network Setup
Router Address
IP Address: 192 . 168 . 10 . 1
Subnet Mask: 255.255.255.0
Router Name: Linksys21042

DHCP Server Setting

Reboot
Reboot

Save Settings Cancel Changes

**Your settings have been successfully saved.
A system reboot is in progress and may take up to 60 seconds.**

Continue

Wait for the router to reboot, and then reconnect to the router's **new** IP address @192.168.10.1

Disable NAT

LINKSYS™ Firmware Version: 3.0.00

Linksys E2500 E2500

Setup

Basic Setup | VLAN Setup | IPv6 Setup | DDNS | MAC Address Clone | **Advanced Routing** | Status

Advanced Routing

NAT

Dynamic Routing (RIP)

Static Routing

Enabled ☒ Disabled

Enabled ☐ Disabled

Route Entries: 1 () Delete This Entry

Enter Route Name:

Destination LAN IP: 0 . 0 . 0 . 0

Subnet Mask: 0 . 0 . 0 . 0

Gateway: 0 . 0 . 0 . 0

Interface: LAN & Wireless

Show Routing Table

Save Settings Cancel Changes

The page at 192.168.1.1 says:

Guest Access will not be available if NAT is disabled.
Proceed with saving your changes?

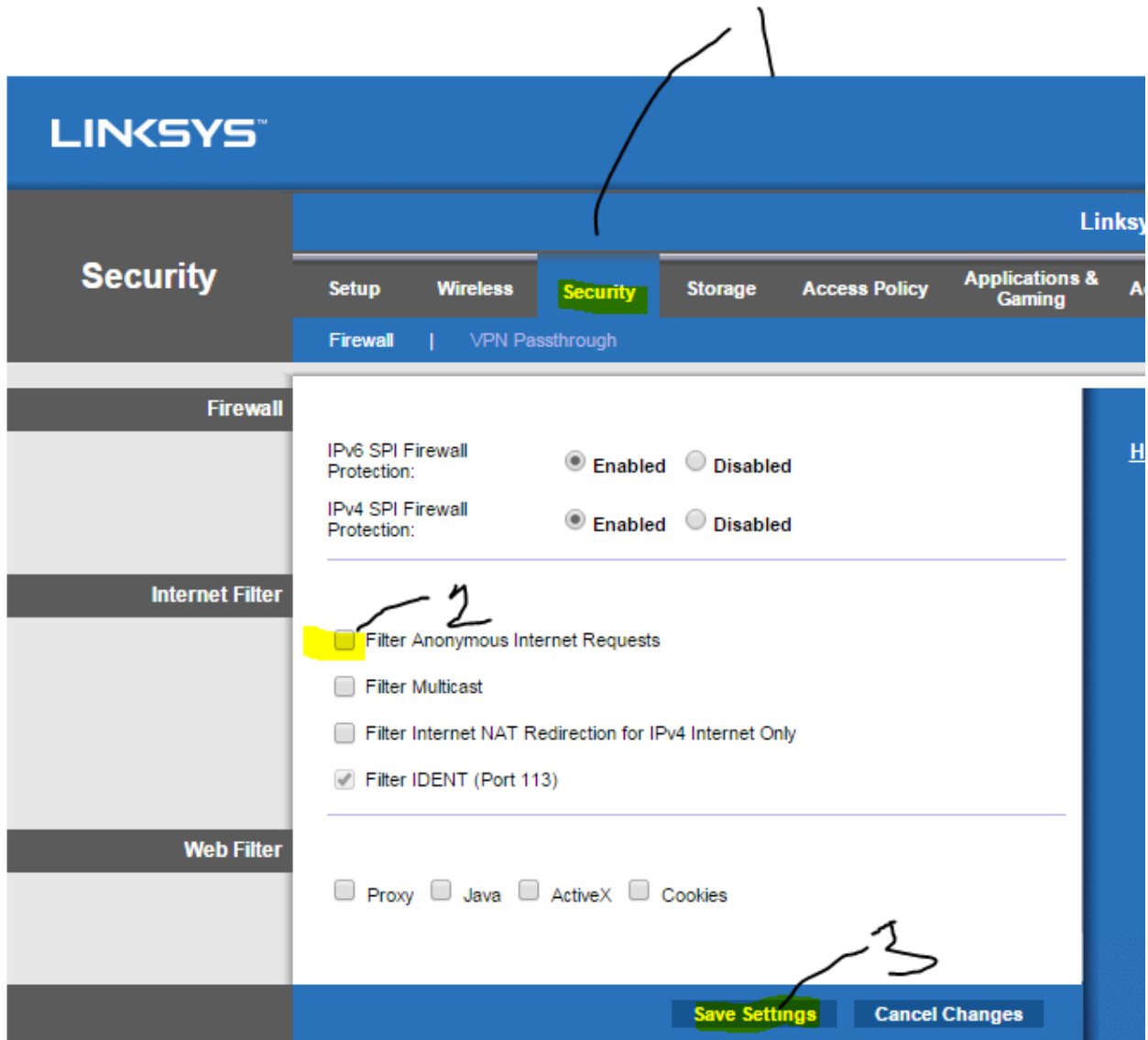
OK Cancel

**Your settings have been successfully saved.
A system reboot is in progress and may take up to 60 seconds.**

Continue

Wait for the router to reboot, and then reconnect to the router's **new** IP address @192.168.10.1

Allow anonymous internet request



Your settings have been successfully saved.

Continue

Network Connectivity Tests

- Local Connectivity Tests
 - o ping 192.168.10.1
 - o ping 10.10.10.1

Wait for your partner to complete her/his router configuration before performing remote connectivity tests.

- Remote Connectivity Tests
 - o ping 10.10.10.2
 - o ping 192.168.20.1

You cannot proceed until both local and remote connectivity tests have succeeded.

Record your laptop's IP and MAC addresses on the network topology diagram.

Record your router's MAC address on your network topology diagram.

Record your partner's laptop IP and MAC addresses on your network topology diagram.

Record your partner's router MAC address on your network topology diagram.

Identify each laptop's role – one is a webserver and the other a web client.

Return to the Task1 step 8 of the "Lab04 – InLab Activities" document.