

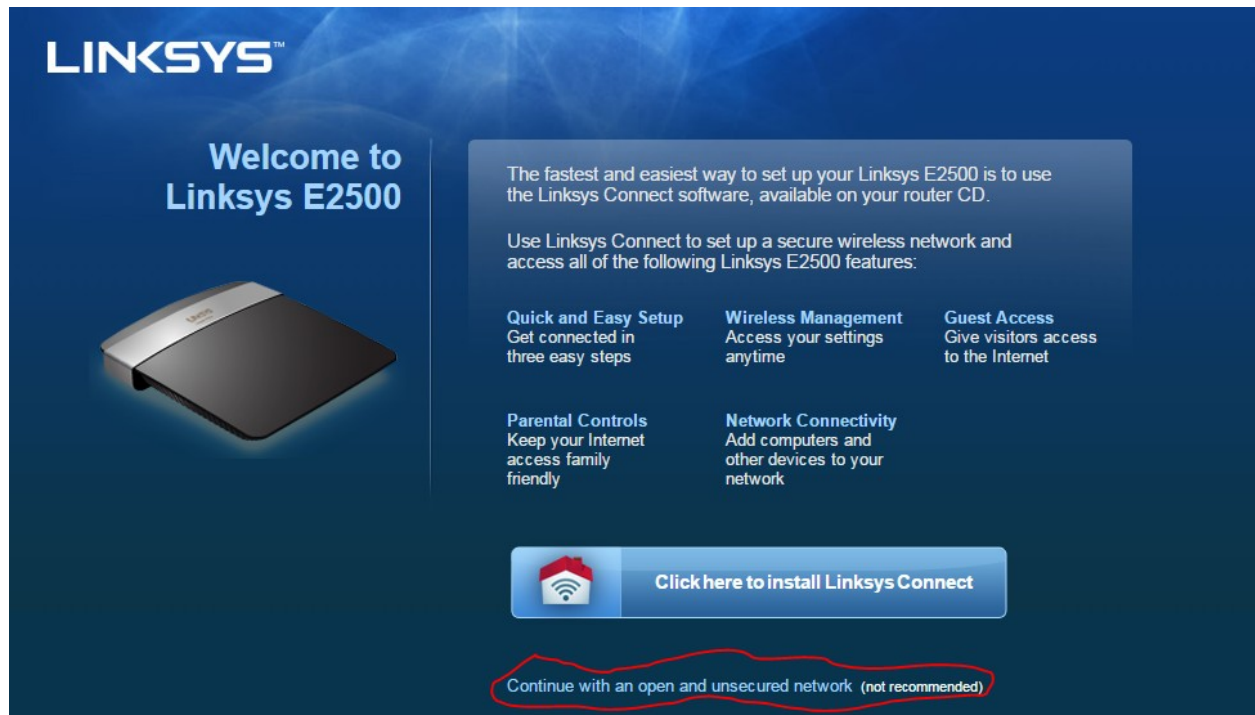
Configure “Router 2”

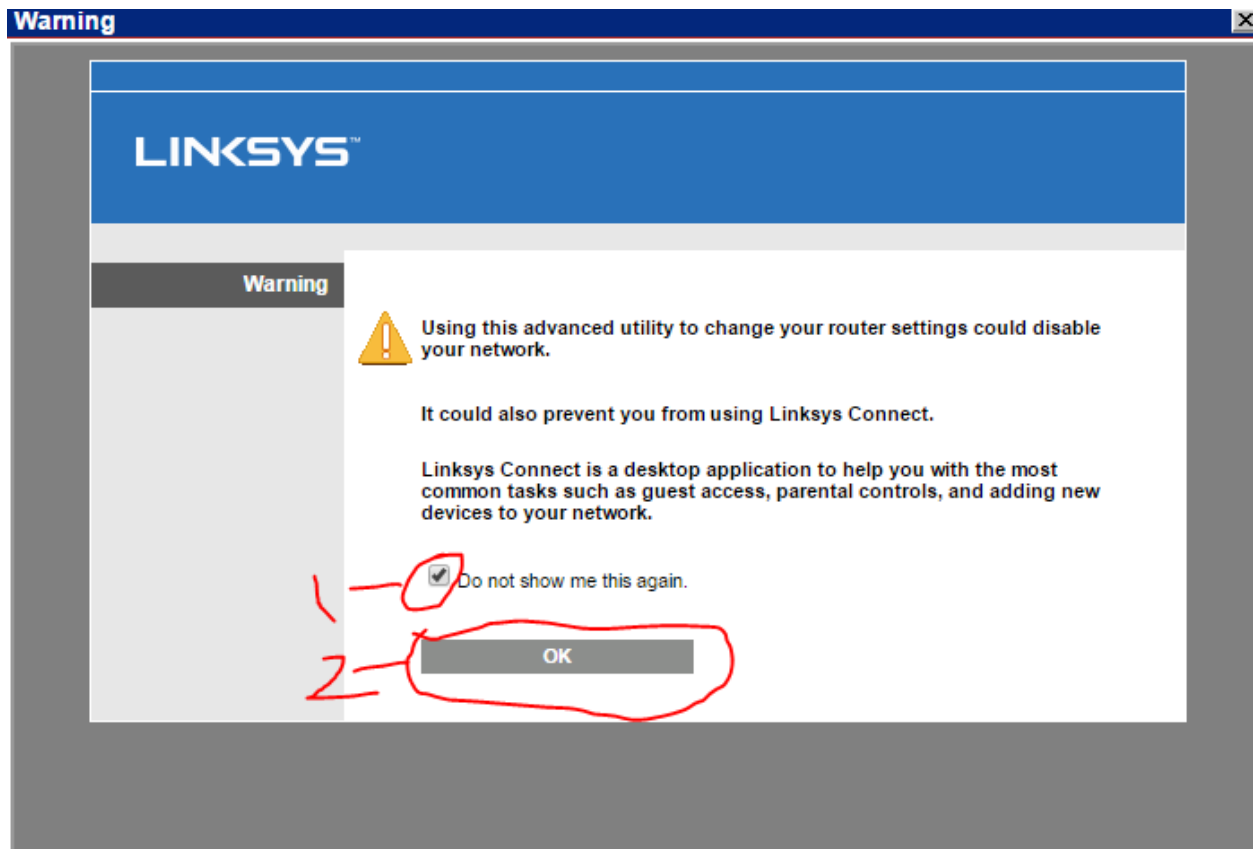
Reset to Factory Default

Reset the router to factory defaults.

Connect to the router’s management interface:

Type 192.168.1.1 in your browser’s address bar.

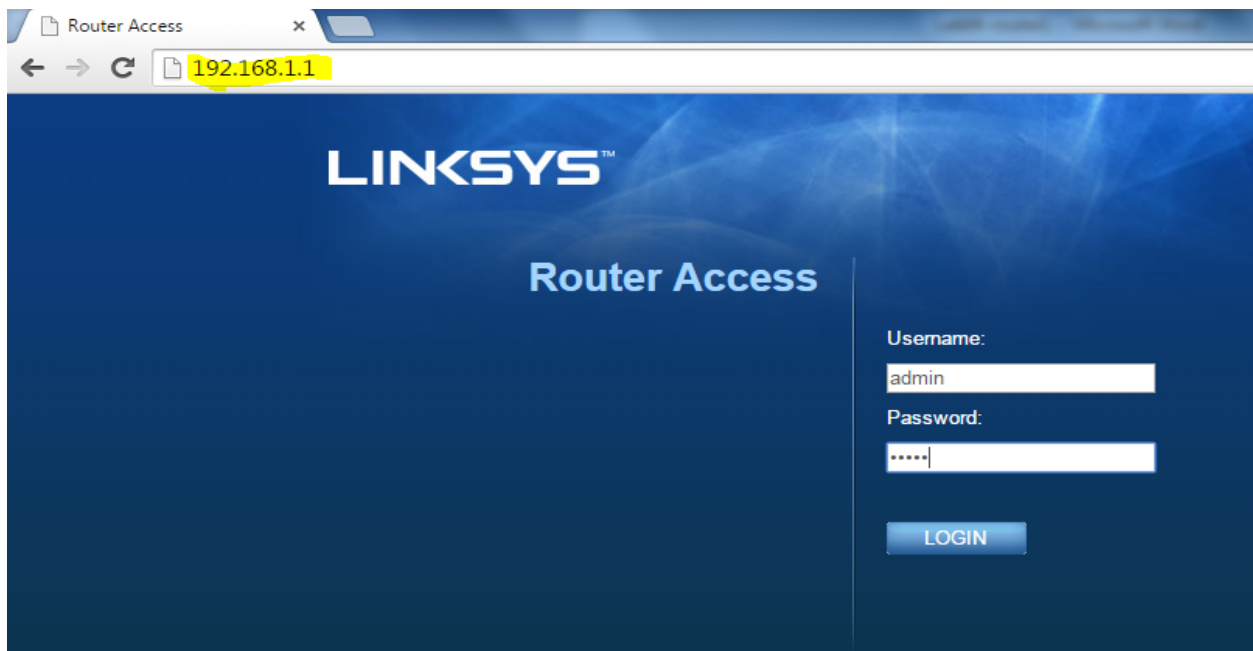




Login to the router's management interface:

Username: admin

Password: admin



Configure Router IP Addresses

The screenshot shows the 'Setup' page of a Linksys router configuration interface. The page is divided into several sections: 'Language', 'Internet Setup', 'Network Setup', and 'Reboot'. Handwritten annotations are present throughout the page:

- Annotation 1:** A line pointing to the 'Setup' tab in the top navigation bar.
- Annotation 2:** A line pointing to the 'Static IP' option in the 'Internet Connection Type' dropdown menu.
- Annotation 3:** A bracket grouping the IP address fields (10.10.10.2), Subnet Mask (255.255.255.252), Default Gateway (10.10.10.1), and DNS 1 (10.10.10.1).
- Annotation 4:** A line pointing to the '20' in the IP Address field (192.168.20.1).
- Annotation 5:** A line pointing to the 'Save Settings' button at the bottom right.

Setup

Language
Select your language
English

Internet Setup
Internet Connection Type
Static IP

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

Network Setup
Router Address
IP Address: 192 . 168 . 20 . 1
Subnet Mask: 255.255.255.0
Router Name: Linksys19606

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 @192.168.20.1

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

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 @192.168.20.1

Allow Anonymous Internet Request

The screenshot shows the Linksys web interface. At the top, the 'LINKSYS' logo is on the left, and 'Linksys' is on the right. Below the logo, the 'Security' tab is selected in the main navigation bar. Under 'Security', the 'Firewall' sub-tab is active. The left sidebar contains 'Firewall', 'Internet Filter', and 'Web Filter' sections. The main content area shows firewall settings. Handwritten annotations include: a '1' pointing to the top navigation bar, a '2' pointing to the 'Filter Anonymous Internet Requests' checkbox, and a '3' pointing to the 'Save Settings' button.

LINKSYS™

Linksys

Security

Setup Wireless **Security** Storage Access Policy Applications & Gaming

Firewall | VPN Passthrough

Firewall

IPv6 SPI Firewall Protection: ☒ Enabled ☐ Disabled

IPv4 SPI Firewall Protection: ☒ Enabled ☐ Disabled

Internet Filter

☒ Filter Anonymous Internet Requests

☐ Filter Multicast

☐ Filter Internet NAT Redirection for IPv4 Internet Only

☒ Filter IDENT (Port 113)

Web Filter

☐ Proxy ☐ Java ☐ ActiveX ☐ Cookies

Save Settings Cancel Changes

Your settings have been successfully saved.

Continue

Network Connectivity Tests

- Local Connectivity Tests
 - o ping 192.168.20.1
 - o ping 10.10.10.2

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

- Remote Connectivity Tests
 - o ping 10.10.10.1
 - o ping 192.168.10.1

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.