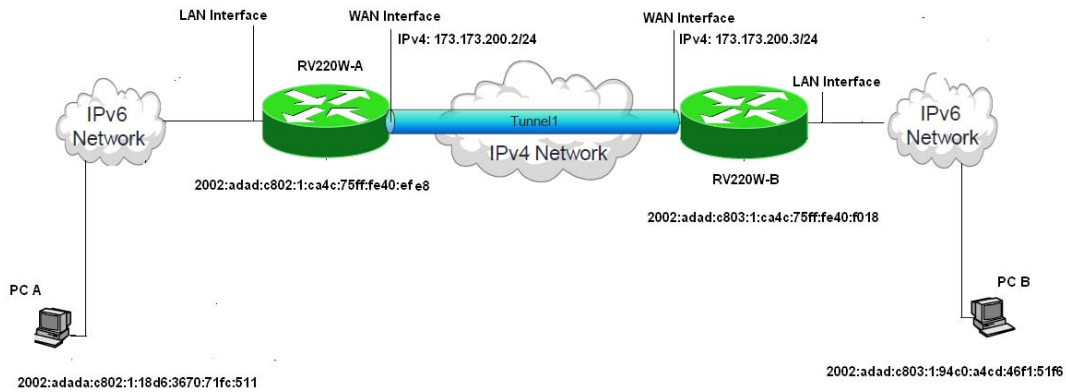


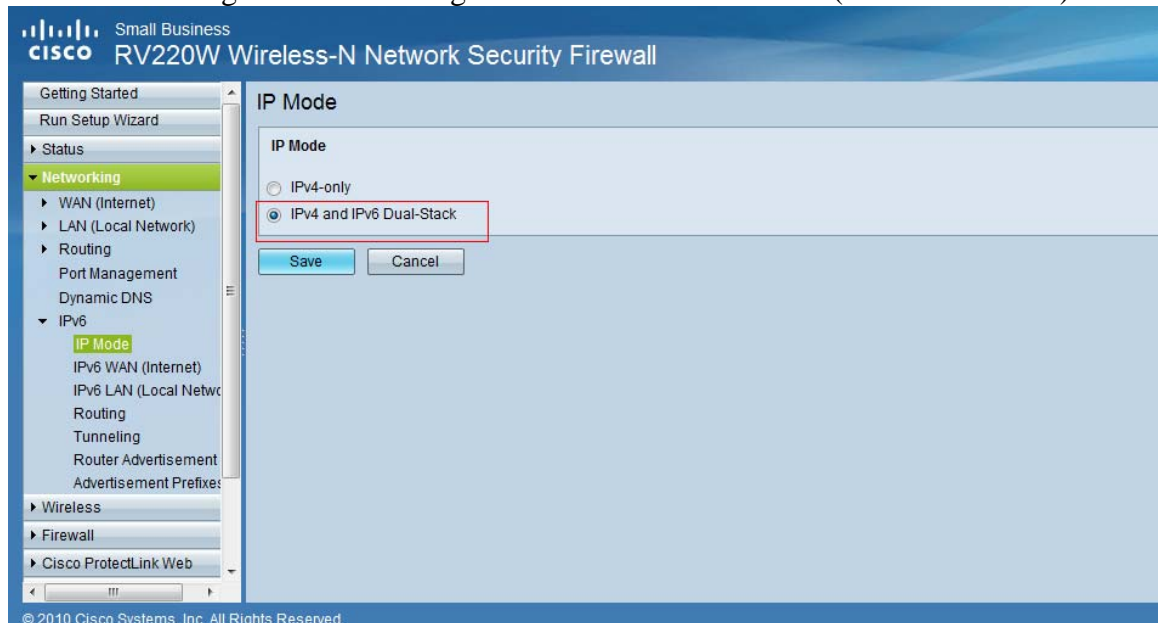
Setting Up 6to4 on RV220W



In the above sample configuration PC-A and PC-B communicate over the 6to4 tunnel. Please follow the following steps for setting the above configuration:

On Router RV220W-A:

- 1) Go to Networking ->IPv6->Routing Mode and enable dual stack(IPv4 /IPv6 mode)



- 2) Go to Networking ->IPv6->Router Advertisement. Enable Router Advertisement(RADVD) and ensure that Advertisement mode is set for Unsolicited Multicast. Also remember to set the RA managed flag.



- 3) Go to Networking ->IPv6->Advertisement Prefixes. Choose 6to4 as the IPv6 prefix type and set the SLA ID to a **non zero** value (E.g 1). Also set the prefix lifetime.

The screenshot shows the configuration page for Advertisement Prefixes on a Cisco RV220W Wireless-N Network Security Firewall. The page title is "Small Business cisco RV220W Wireless-N Network Security Firewall". The left sidebar shows a navigation tree with "Advertisement Prefixes" highlighted. The main content area is titled "Advertisement Prefixes" and contains the "Add / Edit Advertisement Prefix Configuration" form. The form fields are: "IPv6 Prefix Type" (radio buttons for "6to4" and "Global/Local/ISATAP", with "6to4" selected), "SLA ID" (text box containing "1"), "IPv6 Prefix" (text box containing "2002:adad:c802:1::"), "IPv6 Prefix Length" (text box containing "64" with "(Range: 0 - 128)" next to it), and "Prefix Lifetime" (text box containing "3600" followed by "Seconds"). At the bottom of the form are "Save", "Cancel", and "Back" buttons. The footer of the page reads "© 2010 Cisco Systems, Inc. All Rights Reserved."

4) Go to Networking->IPv6->Routing and add a static route

The screenshot displays the configuration interface for a Cisco RV220W Wireless-N Network Security Firewall. The left sidebar shows a navigation menu with the following items: WAN (Internet), LAN (Local Network), Routing, Port Management, Dynamic DNS, IPv6 (expanded), IP Mode, IPv6 WAN (Internet), IPv6 LAN (Local Network), Routing (highlighted), Tunneling, Router Advertisement, Advertisement Prefixes, Wireless, Firewall, Cisco ProtectLink Web, VPN, Security, QoS, and Administration. The main content area is titled 'Routing' and contains a form for 'Add / Edit Static Route Configuration'. The form fields are: Route Name: 'Route-2-RV220W-B', Active: Enable, IPv6 Destination: '2002:adad:c803:1::', IPv6 Prefix Length: '64' (Range: 0 - 128), Interface: '6 to 4 Tunnel' (dropdown), IPv6 Gateway: '::173.173.200.3', and Metric: '2' (Range: 2 - 15). At the bottom of the form are three buttons: 'Save', 'Cancel', and 'Back'. The footer of the interface reads '© 2010 Cisco Systems, Inc. All Rights Reserved.'

5) Go to Networking->IPv6->Tunneling and enable automatic tunneling



Setup router RV220W-B in a similar manner.