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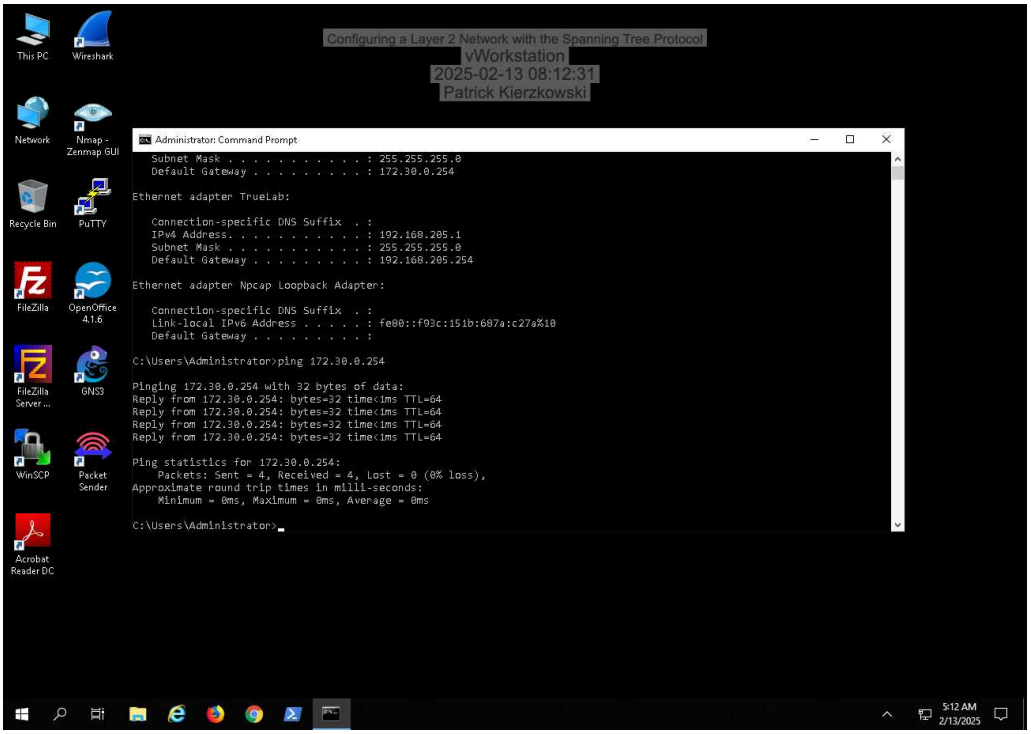
Time on Task:	Progress:
4 hours, 51 minutes	100%

Report Generated: Monday, July 7, 2025 at 9:45 PM

Section 1: Hands-On Demonstration

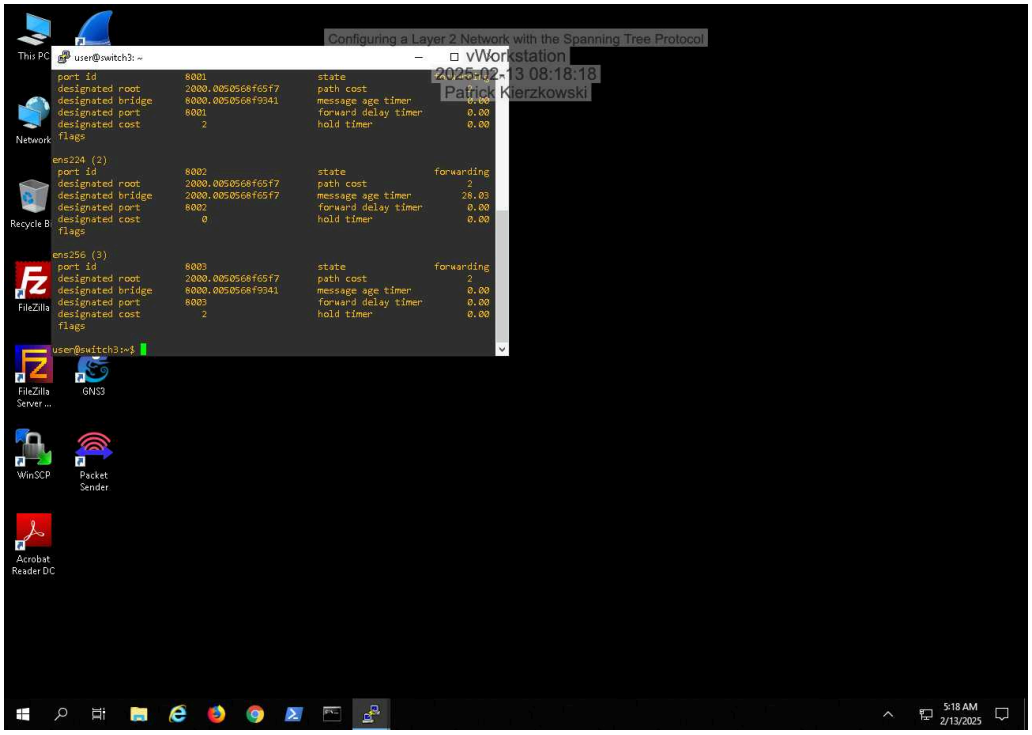
Part 1: Assess the Layer 2 Network Configuration

4. **Make a screen capture** showing the **responses from your ICMP echo request to 172.30.0.254**.



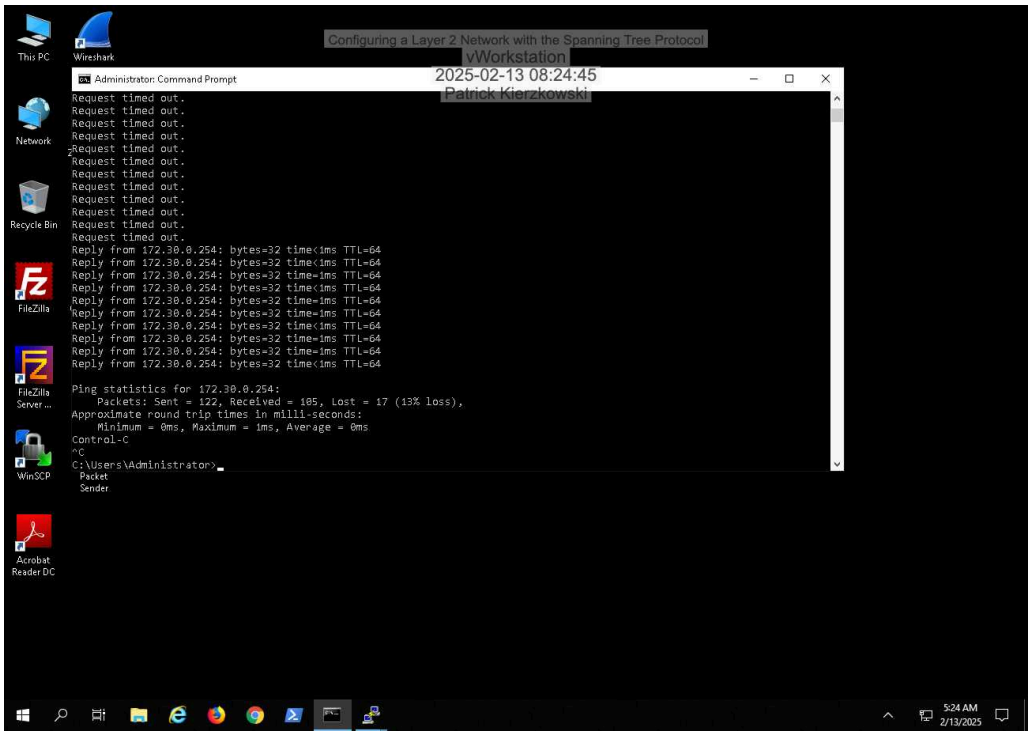
18. **Make a screen capture** showing the **matching bridge ID and designated root bridge values on Switch2**.

21. **Make a screen capture** showing **all three ports in forwarding mode on Switch3**.



Part 2: Redirect Network Traffic using STP

14. **Make a screen capture** showing the **number of Lost packets under Ping statistics**.



17. **Make a screen capture** showing **port ens256 in a disabled state**.

22. **Make a screen capture** showing **port ens256 back in a forwarding state**.

Section 2: Applied Learning

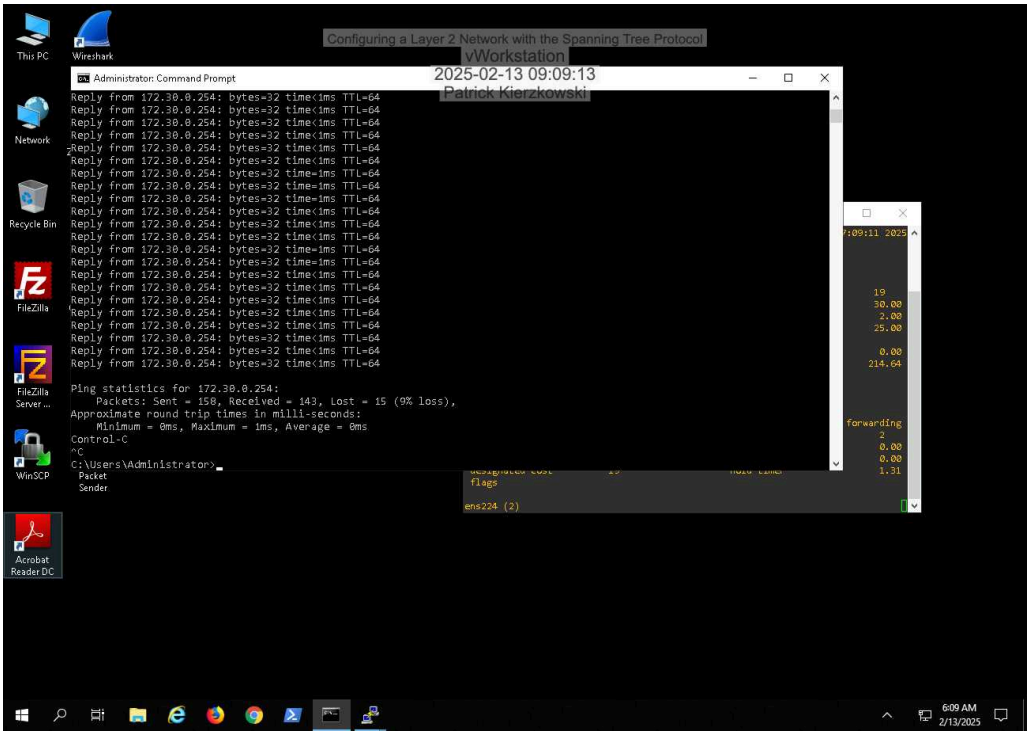
Part 1: Review STP Parameters and MAC Address Tables

7. **Make a screen capture** showing the **list of MAC addresses known by Switch1**.

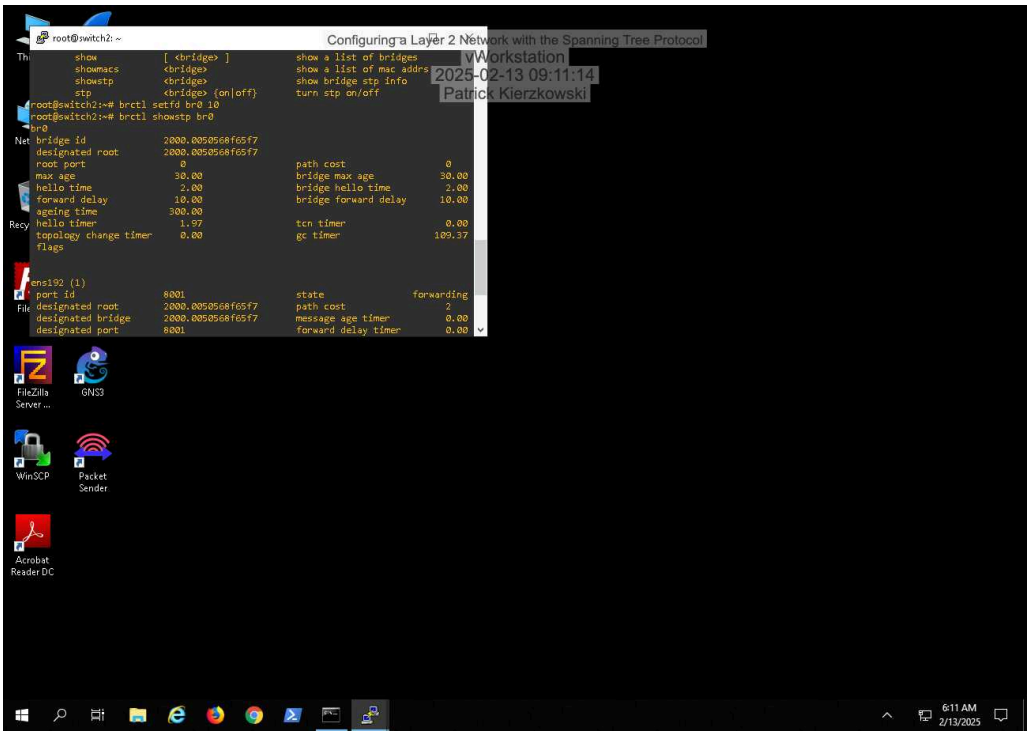
14. **Make a screen capture** showing the **current Forward Delay value for br0 on Switch2**.

Part 2: Alter STP Timer Values

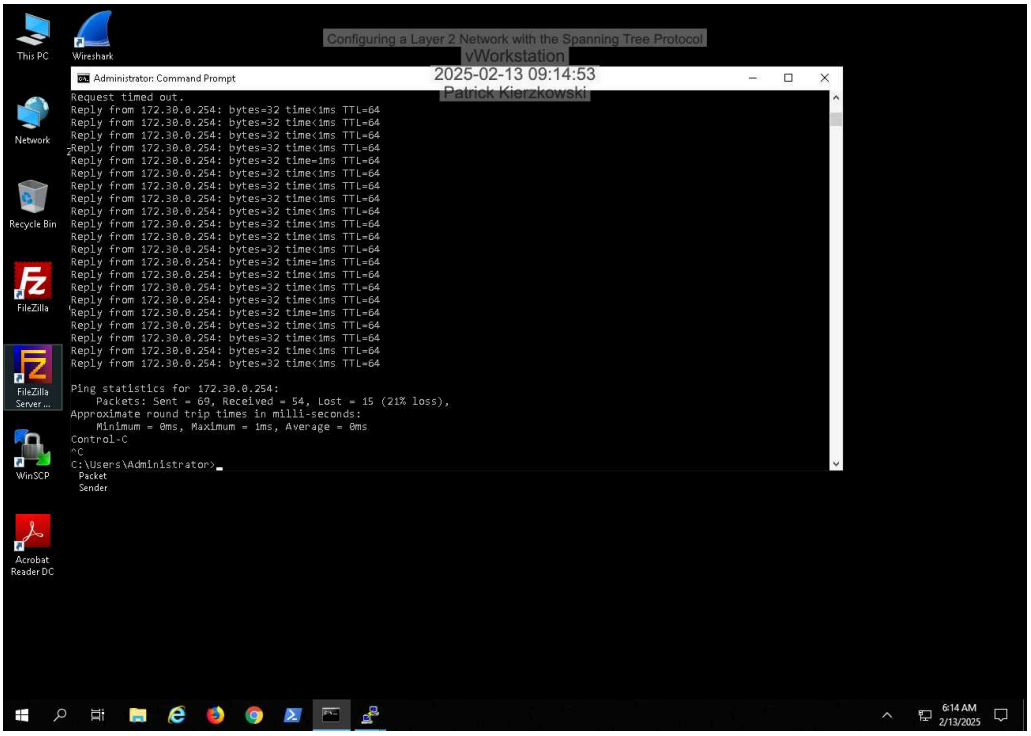
15. **Make a screen capture** showing the **number of Lost packets from your ping test**.



21. **Make a screen capture** showing the **new Forward Delay value on br0**.



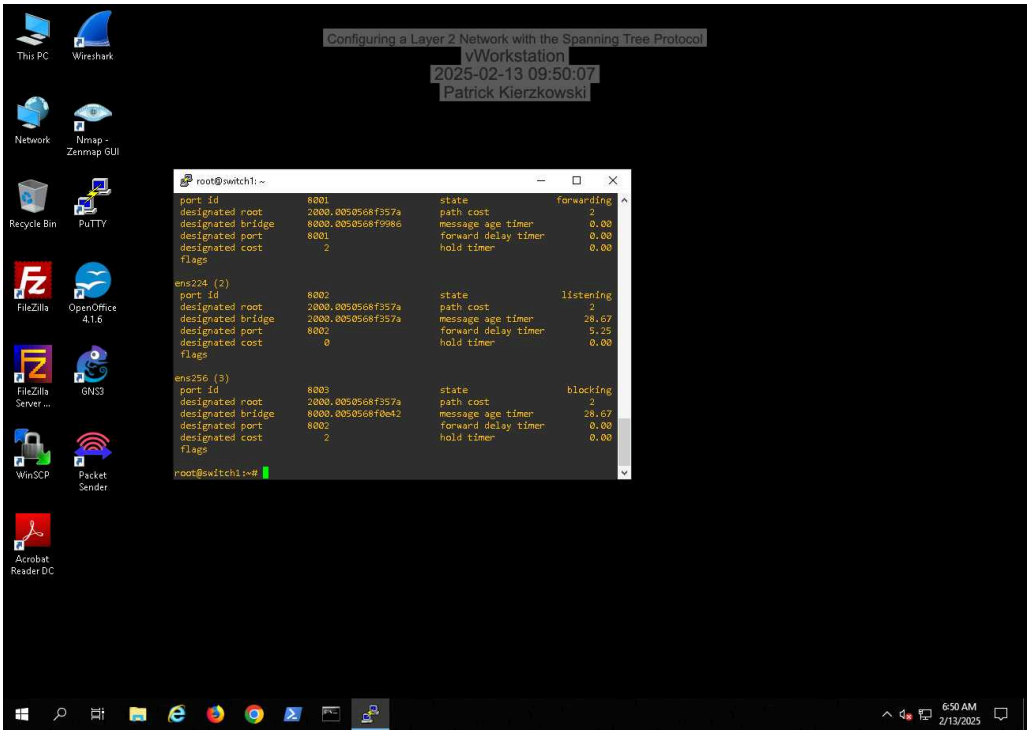
29. **Make a screen capture** showing the **number of Lost packets from your second ping test**.



Section 3: Challenge and Analysis

Part 1: Edit Path Cost Values

Make a screen capture showing the **output of the showstp command with the new path cost on the ens224 port**.



Part 2: Assign a New Root Bridge

Make a screen capture showing the **output of the showstp command with the new bridge ID value**.

The bridge ID and the designated root value should be identical, indicating Switch3 is now the root bridge.