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Episode #60

## IT Month <u>Networking Intro</u> (For Non-IT Types)



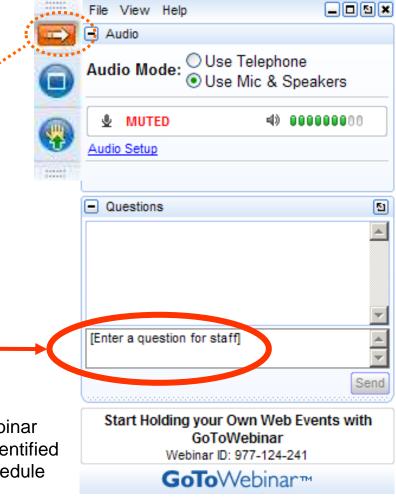
## Your questions please?

(if you don't see the control panel, click on the orange arrow icon to expand it)

Please enter your questions in the text box of the webinar control panel (remember to press send)



Remember: The completion of a Nautel webinar qualifies for ½ SBE re-certification credit, identified under Category I of the Re-certification Schedule for SBE Certifications.





## Ideas for things to cover

 Partitioning – subnets, multiple domains, public IP or private network?

 Router, switch, hub – what are the differences and why does it matter?

- Security
  - Firewalls
  - VPNs
  - Port Forwarding (what is it and why?)
  - Education
- Other items
  - Online courses/resources?



Submit a question now and we'll do our best to answer it in the session. If you have a relevant story to share please tell us now and we'll contact you for more information.

Can the port forwarding option be changed rather than using the default 80?

Can you discuss firewalls and safe ways to put equipment on a WAN?

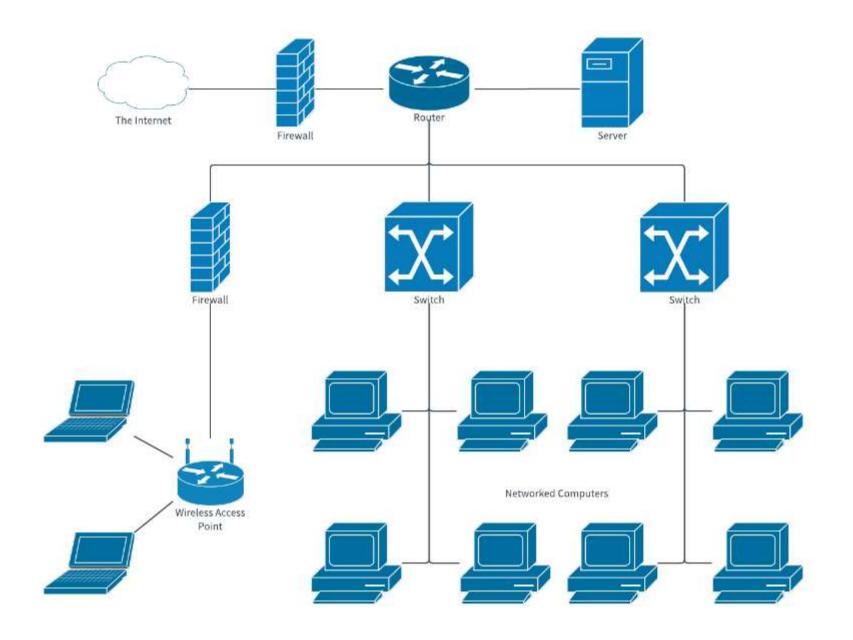
Since putting Win10 online, netbios is messed up on other pcs, how to subnet and allow access to resources?

What are best practices for using more than one router on the same local network?

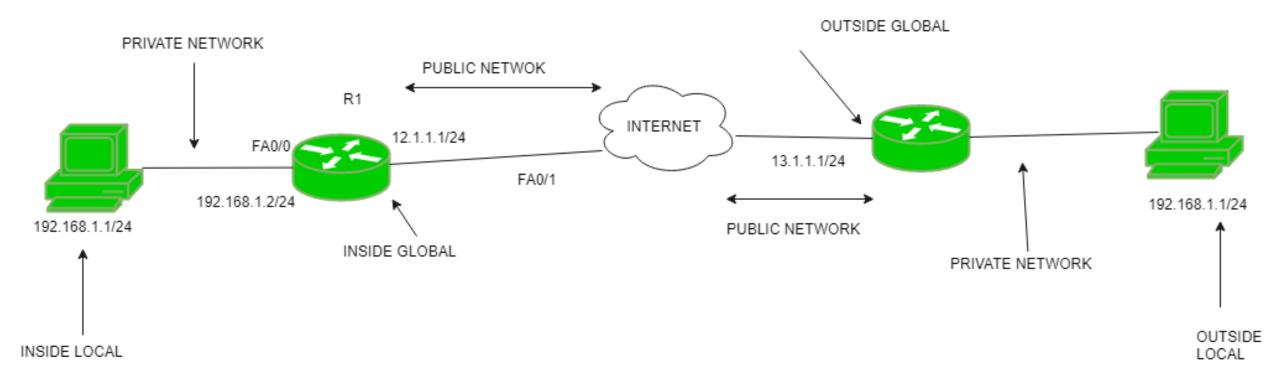
routers switches hubs

How about a suggestion for an online course (EdX, Udemy, etc) for a basic understanding of networking / Net+?





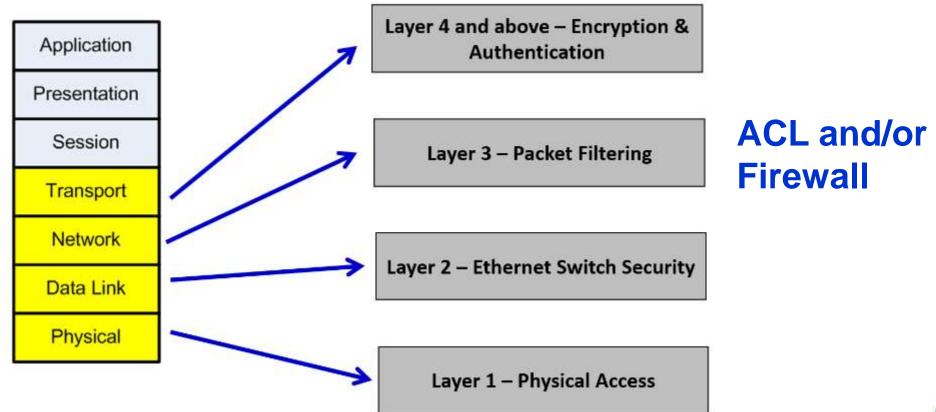






## **Structured Implementation Plan**

## **OSI Model**



SBE.



# **Do These 10 Things**

- Change default logins
- Use strong passwords (paraphrases)
- Separate Admin & User accounts on hosts (WIN)
- Segment your network (VLAN) create multi-layer security zones
- Use packet filtering to control host access (ACL and/or firewall)
- Disable un-used services close ports not used
- Monitor your network know what is normal
- Use secure access (SSH not telnet)
- Use VPN for off-site access
- Don't be a social engineering victim educate users



Essential -



### Studio Transmitter Link

Site Type: Studio Encoder Stream Mode: Never Keep-Alive: Passive

Connection Status: Established FROM Incoming Stream Status: OFF Outgoing Stream Status: OFF

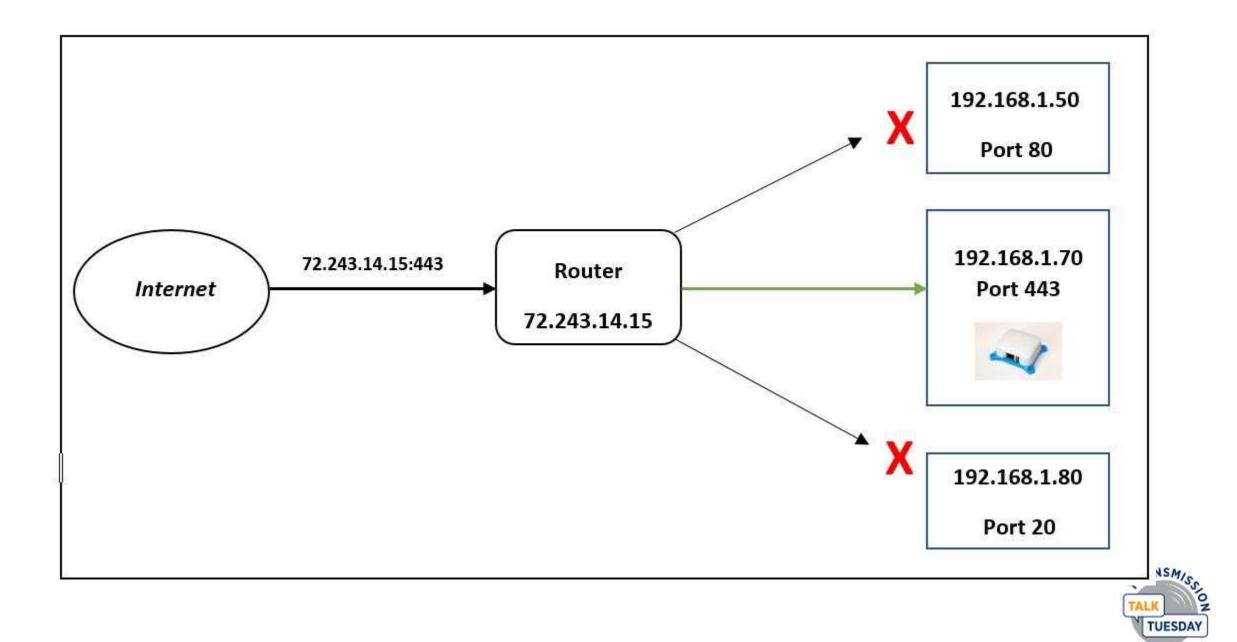
Audio Input: Line Stereo Audio Format: PCM 16bit mono big endian 24 kHz

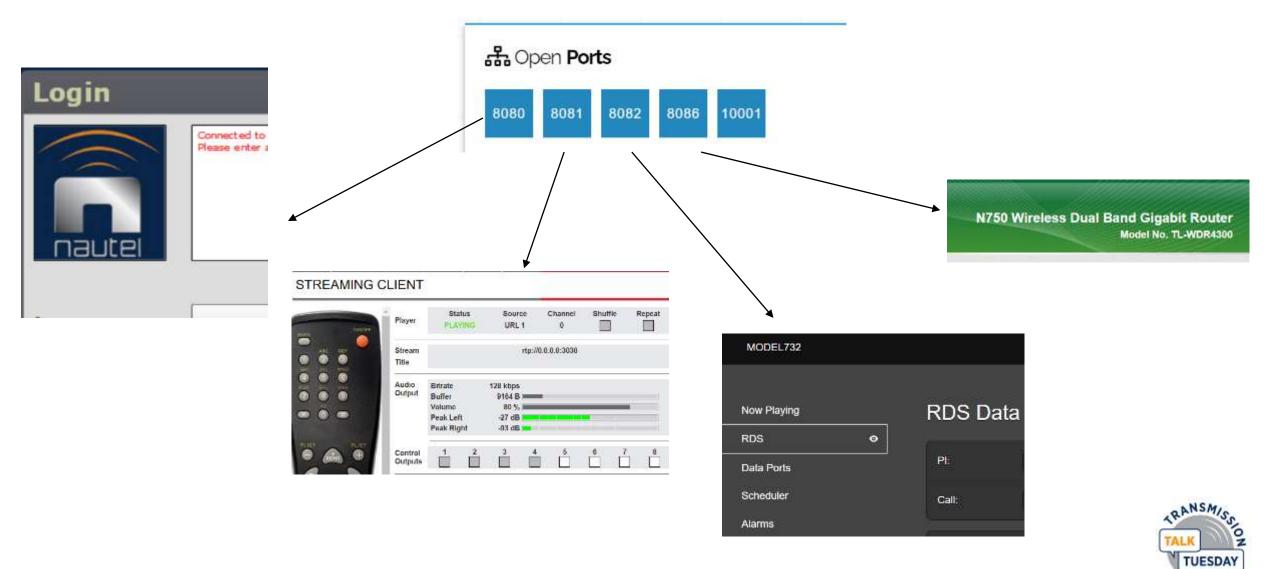
Input Audio Level (L):	-14 dBFS
Input Audio Level (R):	-13 dBFS
Output Audio Level (L):	-93 dBFS
Output Audio Level (R):	-93 dBFS

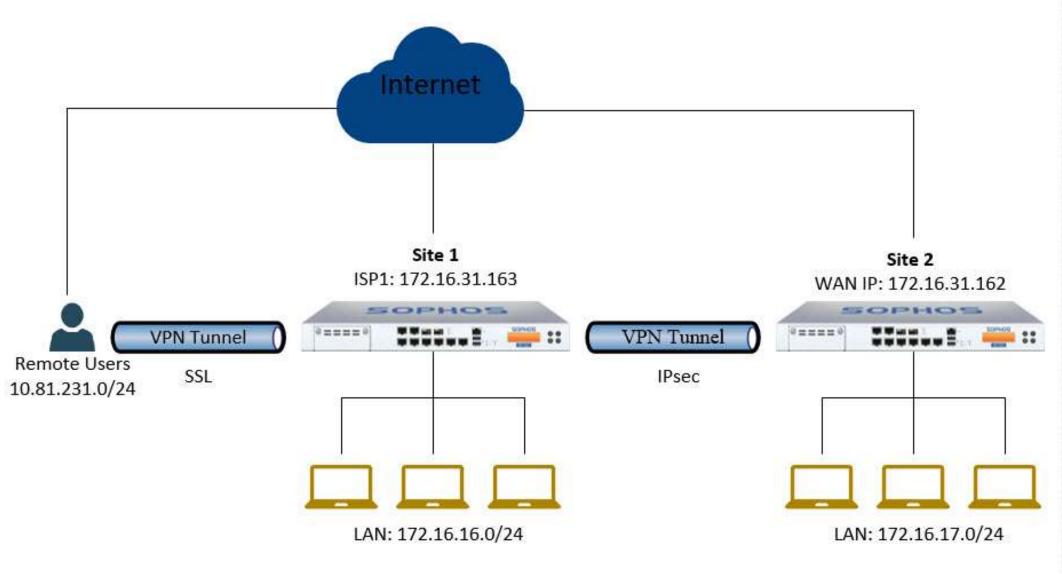
Relay 1: always OFF Relay 2: always OFF Relay 3: always OFF Relay 4: always OFF



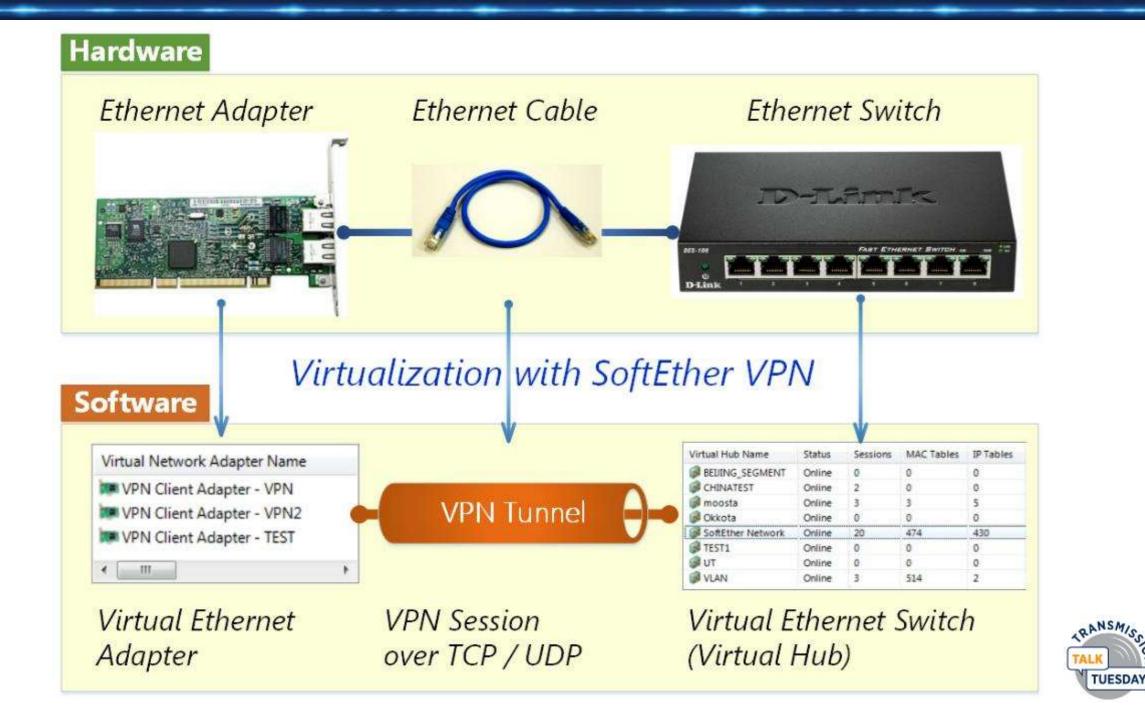












## **Points to Ponder**

Intrusion detection and prevention, active/stateful packet inspection, deep packet inspection

Don't poke holes in the firewall!

**Multiple entry points** 

Easy, cheap, reliable – pick any two

Backup, backup, backup!!!

https://www.cbtnuggets.com/



## **Online Information**



Webinars https://www.nautel.com/resources/webinars/



Nautel Waves Newsletter https://www.nautel.com/newsletters/



YouTube http://www.youtube.com/user/NautelLtd



Online Info, such as the Broadcasters' Desktop Resource <a href="https://www.thebdr.net/">https://www.thebdr.net/</a>



# **THANK YOU!**



