

- Difference between router and switch devices.

Switch is a connection between devices such as computers, printers and servers that make them connect and share resources in small business network. [1]

Router is a connection between switches that create a network in single location or in multiple locations.[1]

- What is the routing table?

A router table is a special type of table where an appropriate hand-held router can be fixed, upside down, to the underside of the tabletop.[2]

- What is the difference between public and private IP?

Public IP is routed to the internet

Private IP is routed to the local network and can't be exposed to the internet. [3]

-Difference between public and private subnets

A public subnet will be used for instances that need a public IP to be accessible from the internet. [4]

A private subnet is used for instances that do not need to be directly reachable from the internet. [4]

-Threat-mitigation methods

- Anti-malware – Malware detection
- Encryption
- Authentication
- Firewalls
- IDS
- Training. [5]

Resources:

[1]- <https://www.cisco.com/c/en/us/solutions/small-business/resource-center/networking/network-switch-vs-router.html>

[2]- <https://www.wonkeedonkeetrend.co.uk/router-tables/what-is-a-router-table/>

[3]- <https://help.keenetic.com/hc/en-us/articles/213965789-What-is-the-difference-between-a-public-and-private-IP-address->

[4]- <https://www.oreilly.com/library/view/designing-aws-environments/9781789535549/fa751615-4bb5-4d85-b1a7-00808ec69533.xhtml>

[5]- https://pdx.scorm.canvaslms.com/courses/sconeID/scone_prod.sha256_bf59af81df4c2e67ca97dd70bb663195fe0aaddc6586924a7dc60ee676d9c064/0/scormcontent/index.html#/lessons/3lQzHduirmEmq7-VmuGz4SSGs9vVWHU6