Brief content

Part one: Networking fundamentals

- ➢ *Network standards and models*
  - ✓ *OSI reference model*
  - ✓ *TCP/IP model*
- ➢ *Network protocols*
- ➢ *Network topologies*
- ➢ *Network media and device*
  - ✓ *Type of cable and network device.*

Part two: Sub-netting basics

- ✓ *How to create subnet*
- ✓ *Subnet mask*
- ✓ *Classless inter-domain routing (CIDR)*
- ✓ *Subnetting class C addresses*
- ✓ *Subnetting class B addresses*
- ✓ *Subnetting class A addresses*
- ✓ *VLSM (Variable length subnet mask).*

PART THREE: LAB

- ✓ *Routing and switching (on cisco packet tracer)*

  Prerequisite: routing protocol (static and dynamic)

  Dynamic protocol (OSPF and RIP)

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