

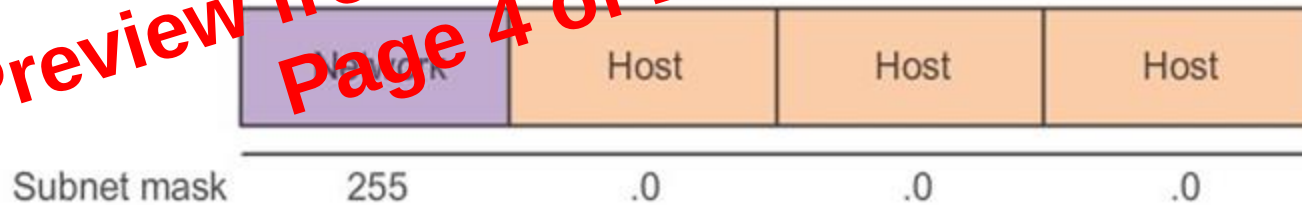
Lesson Content

- Classful Network Addressing
- Classful Subnet Masks
- Classful Addressing Waste
- Classless Inter-Domain Routing
- CIDR and Route Summarization
- Static Routing CIDR Example
- Fixed Length Subnet Masking
- Variable Length Subnet Masking
- VLSM in Action
- VLSM Example
- Route Summarization
- Calculate a Summary Route
- Summary Static Route Example
- Summarize IPv6 Network Addresses
- Configure an IPv6 Summary Address

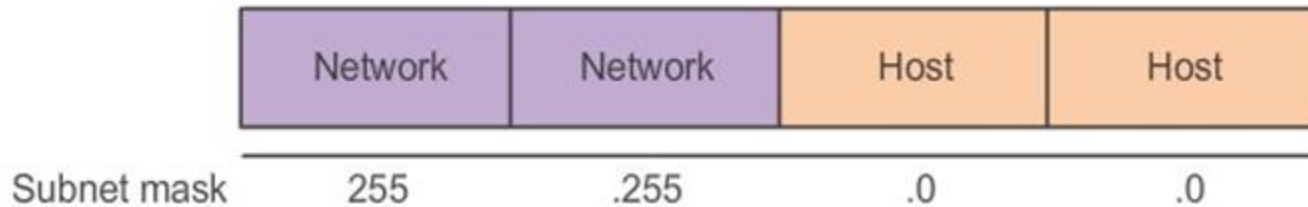
Classful Subnet Masks

Preview from Notesale.co.uk
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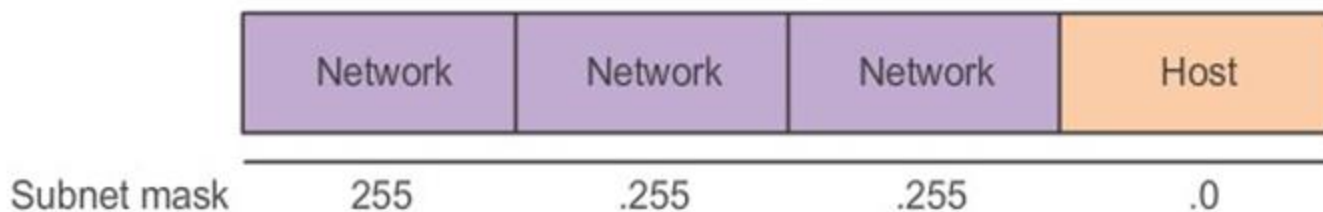
Class A



Class B



Class C



Classful Addressing Waste

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Classful IP Address Allocation = Inefficient

Class A (1 - 126)

of possible networks: 126
of Hosts/Net: 16,777,214
Max. # Hosts: 2,113,928,964

Class B (128 - 191)

of possible networks: 16,384
of Hosts/Net: 65,534
Max. # Hosts: 1,073,709,056

Class C (192 - 223)

of possible networks: 2,097,152
of Hosts/Net: 254
Max. # Hosts: 532,676,608

