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سلسلة
اساسيات مهمة لكل مبرمج
Foundations
Level 2
IP Address Part 5
(NAT and IP Mapping)
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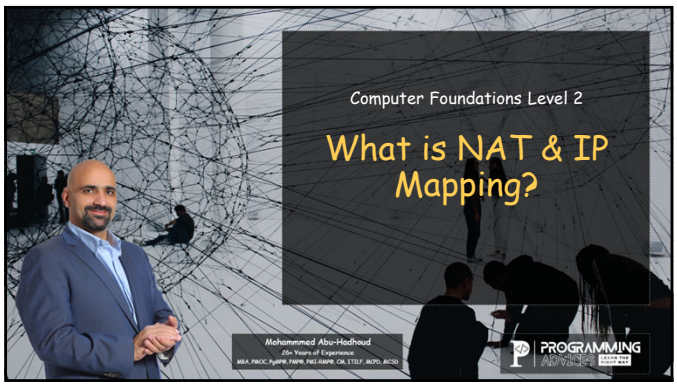
Computer Foundations Level 2
What is NAT & IP Mapping?
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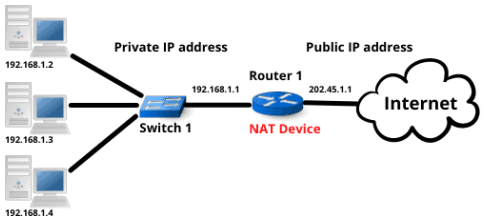
Network Address Translation



What is NAT and IP Mapping?

NAT: Network Address Translation

- It is a technique implemented in network gateways (typically a router), it maps the private IP addresses of the locally connected devices to its own public IP address.
- Which means all the locally connected devices can access the Internet using a similar public IP address of the gateway.
- The router keeps track of the addresses and data routing in a NAT table, which the router maintains in its working memory to distinguish communication data of different devices. The following paragraph explains the concept of NAT and IP mapping.

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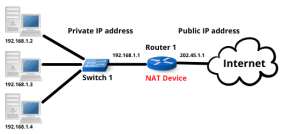
Big Question????

- How Does the router distinguish that the data received by public IP should go to which program in that device?

Network Address Translation



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The answer is:

In the next lesson ☺

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